

Unclassified

**AEDC-TDR-64-184**

JUL 11 1980

AUG 13 1980



**INTERPOLATIONS  
OF IMPERFECT AIR THERMODYNAMIC DATA  
II. AT CONSTANT PRESSURE**

**By**

**C. A. Neel**

**Engineering Support Facility**

**and**

**Clark H. Lewis**

**von Kármán Gas Dynamics Facility**

**ARO, Inc.**

**TECHNICAL DOCUMENTARY REPORT NO. AEDC-TDR-64-184**

**September 1964**

**AIR FORCE**

**Program Element 65402034**

(Prepared under Contract No. AF 40(600)-1000 by ARO, Inc.,  
contract operator of AEDC, Arnold Air Force Station, Tenn.)

**ARNOLD ENGINEERING DEVELOPMENT CENTER**

**AIR FORCE SYSTEMS COMMAND**

**UNITED STATES AIR FORCE**

Unclassified

*Encl (1)*



# ***NOTICES***

Qualified requesters may obtain copies of this report from DDC, Cameron Station, Alexandria, Va. Orders will be expedited if placed through the librarian or other staff member designated to request and receive documents from DDC.

When Government drawings, specifications or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility nor any obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data, is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.

INTERPOLATIONS  
OF IMPERFECT AIR THERMODYNAMIC DATA  
II. AT CONSTANT PRESSURE

By  
C. A. Neel  
Engineering Support Facility  
and  
Clark H. Lewis  
von Kármán Gas Dynamics Facility  
ARO, Inc.  
a subsidiary of Sverdrup and Parcel, Inc.

September 1964

ARO Project No. VT8002

## FOREWORD

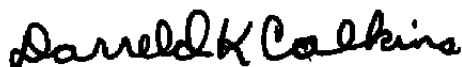
The authors wish to express their appreciation to Mr. J. Hilsenrath of the National Bureau of Standards for providing some unpublished calculations.

**ABSTRACT**

The recent thermodynamic air data of Hilsenrath and Klein (AEDC-TDR-63-161) and the previous low temperature data of Humphrey and Neel (AEDC-TN-61-103) have been interpolated at constant pressure over the ranges  $T = 100(100) 15,000^{\circ}\text{K}$  and  $\log p = -6.4(0.1)4.0$ .

**PUBLICATION REVIEW**

This report has been reviewed and publication is approved.



Darreld K. Calkins  
Major, USAF  
AF Representative, VKF  
DCS/Test



Jean A. Jack  
Colonel, USAF  
DCS/Test

## CONTENTS

|                                       | <u>Page</u> |
|---------------------------------------|-------------|
| ABSTRACT . . . . .                    | v           |
| NOMENCLATURE . . . . .                | viii        |
| 1.0 INTRODUCTION . . . . .            | 1           |
| 2.0 INTERPOLATION PROCEDURE . . . . . | 1           |
| 3.0 RESULTS AND DISCUSSION . . . . .  | 1           |
| REFERENCES . . . . .                  | 2           |

## TABLE

|                                                                           |   |
|---------------------------------------------------------------------------|---|
| 1. Thermodynamic Data at Constant Pressure for<br>Imperfect Air . . . . . | 3 |
|---------------------------------------------------------------------------|---|

## NOMENCLATURE

|        |                                                       |
|--------|-------------------------------------------------------|
| $H/RT$ | Dimensionless enthalpy                                |
| $p$    | Pressure, atm                                         |
| $R$    | Gas constant                                          |
| $S/R$  | Dimensionless entropy                                 |
| $T$    | Temperature, °K                                       |
| $Z$    | Compressibility factor, $p/\rho RT$                   |
| $Z^*$  | Total number of moles per mole of low temperature air |
| $\rho$ | Density, amagats                                      |
| log    | All logarithms are to the base 10                     |

## SUBSCRIPTS

|   |                                                    |
|---|----------------------------------------------------|
| a | Conditions at one-atmosphere pressure and 273.15°K |
|---|----------------------------------------------------|

## USEFUL CONSTANTS

|                  |                                                                                                                                                                                                                                 |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| $p_a$            | = 1 atm = 14.696 lbf/in. <sup>2</sup> = 2116.224 lbf/ft <sup>2</sup> = 1.013246 x 10 <sup>6</sup> dynes/cm <sup>2</sup> = 760 mm Hg = 1.013246 x 10 <sup>5</sup> newtons/m <sup>2</sup>                                         |
| $R$              | = 3091.694 ft <sup>2</sup> /sec <sup>2</sup> °K = 1.98726 cal/mole °K = 6.860427 x 10 <sup>-2</sup> cal/gm °K or Btu/lbm °R                                                                                                     |
| $T_a$            | = 273.15°K = 491.67 °R                                                                                                                                                                                                          |
| Molecular Weight | = 28.967 gm/mole                                                                                                                                                                                                                |
| $\rho_a$         | = 2.505901 x 10 <sup>-3</sup> lbf-sec <sup>2</sup> /ft <sup>4</sup> or slugs/ft <sup>3</sup> = 8.0624862 x 10 <sup>-2</sup> lbm/ft <sup>3</sup> = 1.2914889 kg/m <sup>3</sup> = 1.2914889 x 10 <sup>-3</sup> gm/cm <sup>3</sup> |

## 1.0 INTRODUCTION

For purposes of hand and machine calculations, the thermodynamic data of Hilsenrath and Klein (Ref. 1) and the low temperature data of Humphrey and Neel (Ref. 2) are not always in the most useful form. For example, for computing normal shock wave properties, data at constant pressure are useful. The data contained in this report were used by Lewis and Burgess (Ref. 3) in computing normal shock wave properties in imperfect air and for computing the specific heat at constant pressure reported by Lewis and Neel (Ref. 4).

## 2.0 INTERPOLATION PROCEDURE

The data of Hilsenrath and Klein (Ref. 1) were interpolated at constant pressure in the range  $\log p = -6.2(0.1)4.0$  over the temperature range  $T = 1500(100)15,000^\circ\text{K}$  with a four-point Lagrange interpolation formula, and those data are included in the present report. The data of Humphrey and Neel were similarly interpolated in the ranges  $\log p = -6.4(0.1)2.8$  and  $T = 100(100)1500$ .

## 3.0 RESULTS AND DISCUSSION

Table 1 presents the results of the interpolations at constant pressure. The data included are  $T$ ,  $\log(H/R)$ ,  $\log \rho$ ,  $Z$ ,  $S/R$ ,  $H/RT$ , and  $Z^*$ .

A comparison was made between the results given by Neel and Lewis (Ref. 5) for the constant entropy interpolated data and data<sup>†</sup> computed at specific values of  $T$  and  $S/R$ . The comparison showed that those data (interpolated) agreed with the computed data within five significant figures at  $2500^\circ\text{K}$  where both sets of data were available. Therefore, for most engineering purposes the present data based on the same interpolations method should be sufficiently accurate.

---

Manuscript received August 1964.

<sup>†</sup>Private communication with J. Hilsenrath, January 1964.

## REFERENCES

1. Hilsenrath, J. and Klein, M. "Tables of Thermodynamic Properties of Air in Chemical Equilibrium Including Second Virial Corrections from 1500°K to 15,000°K." AEDC-TDR-63-161 (AD 416040), August 1963.
2. Humphrey, R. L. and Neel, C. A. "Tables of Thermodynamic Properties of Air from 90 to 1500°K." AEDC-TN-61-103 (AD 262692), August 1961.
3. Lewis, Clark H. and Burgess, E. G. III. "Charts of Normal Shock Wave Properties in Imperfect Air." AEDC-TDR-64-43, March 1964.
4. Lewis, Clark H. and Neel, C. A. "Specific Heat and Speed of Sound Data for Imperfect Air." AEDC-TDR-64-36, May 1964.
5. Neel, C. A. and Lewis, Clark H. "Interpolations of Imperfect Air Thermodynamic Data I. at Constant Entropy." AEDC-TDR-64-183, September 1964.

**TABLE 1**  
**THERMODYNAMIC DATA AT CONSTANT PRESSURE FOR IMPERFECT AIR**

## LOG P=-6.4

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5417  | -5.9636 | 1.0000 | 34.8201 | 3.4806 | 1.00000 |
| 200  | 2.8434  | -6.2646 | 1.0000 | 37.2389 | 3.4862 | 1.00000 |
| 300  | 3.0198  | -6.4407 | 1.0000 | 38.6558 | 3.4891 | 1.00000 |
| 400  | 3.1455  | -6.5657 | 1.0000 | 39.6659 | 3.4952 | 1.00000 |
| 500  | 3.2440  | -6.6626 | 1.0000 | 40.4599 | 3.5074 | 1.00000 |
| 600  | 3.3256  | -6.7417 | 1.0000 | 41.1197 | 3.5270 | 1.00000 |
| 700  | 3.3955  | -6.8087 | 1.0000 | 41.6910 | 3.5516 | 1.00000 |
| 800  | 3.4572  | -6.8667 | 1.0000 | 42.1955 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -6.9178 | 1.0000 | 42.6522 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -6.9636 | 1.0000 | 43.0669 | 3.6467 | 1.00000 |

## LOG P=-6.3

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5417  | -5.8636 | 1.0000 | 34.5896 | 3.4806 | 1.00000 |
| 200  | 2.8434  | -6.1646 | 1.0000 | 37.0086 | 3.4862 | 1.00000 |
| 300  | 3.0198  | -6.3407 | 1.0000 | 38.4256 | 3.4891 | 1.00000 |
| 400  | 3.1455  | -6.4657 | 1.0000 | 39.4353 | 3.4952 | 1.00000 |
| 500  | 3.2440  | -6.5626 | 1.0000 | 40.2297 | 3.5074 | 1.00000 |
| 600  | 3.3256  | -6.6417 | 1.0000 | 40.8892 | 3.5270 | 1.00000 |
| 700  | 3.3955  | -6.7087 | 1.0000 | 41.4605 | 3.5516 | 1.00000 |
| 800  | 3.4572  | -6.7667 | 1.0000 | 41.9654 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -6.8178 | 1.0000 | 42.4221 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -6.8636 | 1.0000 | 42.8364 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -6.9050 | 1.0000 | 43.2187 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -6.9428 | 1.0000 | 43.5746 | 3.7122 | 1.00000 |
| 1300 | 3.6874  | -6.9775 | 1.0000 | 43.9055 | 3.7452 | 1.00000 |

## LOG P=-6.2

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5417  | -5.7636 | 1.0000 | 34.3593 | 3.4806 | 1.00000 |
| 200  | 2.8434  | -6.0646 | 1.0000 | 36.7787 | 3.4862 | 1.00000 |
| 300  | 3.0198  | -6.2407 | 1.0000 | 38.1957 | 3.4891 | 1.00000 |
| 400  | 3.1455  | -6.3657 | 1.0000 | 39.2050 | 3.4952 | 1.00000 |
| 500  | 3.2440  | -6.4626 | 1.0000 | 39.9992 | 3.5074 | 1.00000 |
| 600  | 3.3256  | -6.5418 | 1.0000 | 40.6590 | 3.5270 | 1.00000 |
| 700  | 3.3955  | -6.6067 | 1.0000 | 41.2300 | 3.5516 | 1.00000 |
| 800  | 3.4572  | -6.6667 | 1.0000 | 41.7354 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -6.7178 | 1.0000 | 42.1917 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -6.7636 | 1.0000 | 42.6063 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -6.8050 | 1.0000 | 42.9885 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -6.8428 | 1.0000 | 43.3445 | 3.7122 | 1.00000 |
| 1300 | 3.6874  | -6.8775 | 1.0000 | 43.6756 | 3.7452 | 1.00000 |
| 1400 | 3.7234  | -6.9097 | 1.0000 | 43.9866 | 3.7779 | 1.00000 |
| 1500 | 3.7571  | -6.9391 | 1.0000 | 44.2815 | 3.8106 | 1.00000 |
| 1500 | 3.7623  | -6.9404 | 1.0012 | 44.3304 | 3.8566 | 1.00115 |
| 1600 | 3.8061  | -6.9693 | 1.0041 | 44.7251 | 3.9988 | 1.00411 |
| 1700 | 3.8661  | -6.9997 | 1.0124 | 45.2982 | 4.3213 | 1.01244 |

## LOG P=-6.1

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5417  | -5.6636 | 1.0000 | 34.1293 | 3.4806 | 1.00000 |
| 200  | 2.8434  | -5.9646 | 1.0000 | 36.5485 | 3.4862 | 1.00000 |
| 300  | 3.0198  | -6.1407 | 1.0000 | 37.9654 | 3.4891 | 1.00000 |
| 400  | 3.1455  | -6.2657 | 1.0000 | 38.9750 | 3.4952 | 1.00000 |
| 500  | 3.2440  | -6.3626 | 1.0000 | 39.7689 | 3.5074 | 1.00000 |
| 600  | 3.3256  | -6.4418 | 1.0000 | 40.4290 | 3.5270 | 1.00000 |
| 700  | 3.3955  | -6.5087 | 1.0000 | 41.0000 | 3.5516 | 1.00000 |
| 800  | 3.4572  | -6.5667 | 1.0000 | 41.5052 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -6.6178 | 1.0000 | 41.9611 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -6.6636 | 1.0000 | 42.3763 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -6.7050 | 1.0000 | 42.7580 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -6.7428 | 1.0000 | 43.1141 | 3.7122 | 1.00000 |
| 1300 | 3.6874  | -6.7775 | 1.0000 | 43.4452 | 3.7452 | 1.00000 |
| 1400 | 3.7234  | -6.8097 | 1.0000 | 43.7564 | 3.7779 | 1.00000 |
| 1500 | 3.7571  | -6.8394 | 1.0000 | 44.0515 | 3.8106 | 1.00000 |
| 1500 | 3.7617  | -6.8404 | 1.0010 | 44.0948 | 3.8515 | 1.00103 |
| 1600 | 3.8042  | -6.8696 | 1.0037 | 44.4770 | 3.9819 | 1.00366 |
| 1700 | 3.8613  | -6.8991 | 1.0111 | 45.0177 | 4.2737 | 1.01111 |
| 1800 | 3.9448  | -6.9316 | 1.0291 | 45.8967 | 4.8925 | 1.02905 |
| 1900 | 4.0584  | -6.9698 | 1.0647 | 47.3168 | 6.0205 | 1.06471 |

## LOG P=-6.0

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5417  | -5.5636 | 1.0000 | 33.8991 | 3.4806 | 1.00000 |
| 200  | 2.8434  | -5.8646 | 1.0000 | 36.3179 | 3.4862 | 1.00000 |
| 300  | 3.0198  | -6.0407 | 1.0000 | 37.7349 | 3.4891 | 1.00000 |
| 400  | 3.1455  | -6.1657 | 1.0000 | 38.7449 | 3.4952 | 1.00000 |
| 500  | 3.2440  | -6.2625 | 1.0000 | 39.5389 | 3.5074 | 1.00000 |
| 600  | 3.3256  | -6.3417 | 1.0000 | 40.1987 | 3.5270 | 1.00000 |
| 700  | 3.3955  | -6.4087 | 1.0000 | 40.7700 | 3.5516 | 1.00000 |
| 800  | 3.4572  | -6.4667 | 1.0000 | 41.2747 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -6.5178 | 1.0000 | 41.7306 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -6.5636 | 1.0000 | 42.1461 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -6.6050 | 1.0000 | 42.5274 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -6.6428 | 1.0000 | 42.8836 | 3.7122 | 1.00000 |
| 1300 | 3.6874  | -6.6775 | 1.0000 | 43.2147 | 3.7452 | 1.00000 |
| 1400 | 3.7234  | -6.7097 | 1.0000 | 43.5259 | 3.7779 | 1.00000 |
| 1500 | 3.7571  | -6.7402 | 1.0000 | 43.8211 | 3.8106 | 1.00000 |
| 1500 | 3.7612  | -6.7403 | 1.0009 | 43.8598 | 3.8469 | 1.00091 |
| 1600 | 3.8026  | -6.7694 | 1.0033 | 44.2308 | 3.9667 | 1.00326 |
| 1700 | 3.8569  | -6.7986 | 1.0099 | 44.7423 | 4.2311 | 1.00992 |
| 1800 | 3.9357  | -6.8303 | 1.0261 | 45.5587 | 4.7912 | 1.02607 |
| 1900 | 4.0442  | -6.8674 | 1.0587 | 46.8789 | 5.8270 | 1.05870 |
| 2000 | 4.1649  | -6.9099 | 1.1093 | 48.6964 | 7.3096 | 1.10926 |
| 2100 | 4.2602  | -6.9507 | 1.1605 | 50.4480 | 8.6691 | 1.16054 |
| 2200 | 4.3118  | -6.9821 | 1.1909 | 51.5191 | 9.3195 | 1.19086 |

## LOG P=-5.9

| T   | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|-----|---------|---------|--------|---------|--------|---------|
| 100 | 2.5417  | -5.4636 | 1.0000 | 33.6685 | 3.4806 | 1.00000 |
| 200 | 2.8434  | -5.7646 | 1.0000 | 36.0876 | 3.4862 | 1.00000 |
| 300 | 3.0198  | -5.9407 | 1.0000 | 37.5046 | 3.4891 | 1.00000 |
| 400 | 3.1455  | -6.0657 | 1.0000 | 38.5143 | 3.4952 | 1.00000 |
| 500 | 3.2440  | -6.1625 | 1.0000 | 39.3087 | 3.5074 | 1.00000 |
| 600 | 3.3256  | -6.2417 | 1.0000 | 39.9662 | 3.5270 | 1.00000 |
| 700 | 3.3955  | -6.3087 | 1.0000 | 40.5395 | 3.5516 | 1.00000 |
| 800 | 3.4572  | -6.3667 | 1.0000 | 41.0443 | 3.5817 | 1.00000 |
| 900 | 3.5121  | -6.4178 | 1.0000 | 41.5001 | 3.6129 | 1.00000 |

|      |        |         |        |         |        |         |
|------|--------|---------|--------|---------|--------|---------|
| 1000 | 3.5619 | -6.4636 | 1.0000 | 41.9155 | 3.6467 | 1.00000 |
| 1100 | 3.6071 | -6.5050 | 1.0000 | 42.2974 | 3.6791 | 1.00000 |
| 1200 | 3.6488 | -6.5428 | 1.0000 | 42.6534 | 3.7122 | 1.00000 |
| 1300 | 3.6874 | -6.5775 | 1.0000 | 42.9843 | 3.7452 | 1.00000 |
| 1400 | 3.7234 | -6.6097 | 1.0000 | 43.2954 | 3.7779 | 1.00000 |
| 1500 | 3.7571 | -6.6402 | 1.0000 | 43.5905 | 3.8106 | 1.00000 |
| 1500 | 3.7608 | -6.6403 | 1.0008 | 43.6252 | 3.8429 | 1.00082 |
| 1600 | 3.8011 | -6.6692 | 1.0029 | 43.9863 | 3.9532 | 1.00291 |
| 1700 | 3.8530 | -6.6981 | 1.0039 | 44.4717 | 4.1929 | 1.00887 |
| 1800 | 3.9273 | -6.7292 | 1.0234 | 45.2311 | 4.6996 | 1.02337 |
| 1900 | 4.0307 | -6.7651 | 1.0531 | 46.4569 | 5.6482 | 1.05314 |
| 2000 | 4.1496 | -6.8067 | 1.1010 | 48.1894 | 7.0569 | 1.10100 |
| 2100 | 4.2494 | -6.8480 | 1.1532 | 49.9682 | 8.4556 | 1.15318 |
| 2200 | 4.3069 | -6.8807 | 1.1871 | 51.1407 | 9.2149 | 1.18705 |
| 2300 | 4.3341 | -6.9052 | 1.2013 | 51.7247 | 9.3837 | 1.20126 |
| 2400 | 4.3490 | -6.9255 | 1.2063 | 52.0460 | 9.3067 | 1.20634 |
| 2500 | 4.3599 | -6.9440 | 1.2083 | 52.2773 | 9.1614 | 1.20825 |
| 2600 | 4.3695 | -6.9613 | 1.2092 | 52.4790 | 9.0066 | 1.20917 |
| 2700 | 4.3790 | -6.9780 | 1.2099 | 52.6739 | 8.8641 | 1.20990 |
| 2800 | 4.3890 | -6.9941 | 1.2109 | 52.8762 | 8.7467 | 1.21090 |

## LOG P=-5.8

| T    | LOG H/R | LOG RHC | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5417  | -5.3636 | 1.0000 | 33.4382 | 3.4806 | 1.00000 |
| 200  | 2.8434  | -5.6646 | 1.0000 | 35.8576 | 3.4862 | 1.00000 |
| 300  | 3.0198  | -5.8407 | 1.0000 | 37.2746 | 3.4891 | 1.00000 |
| 400  | 3.1455  | -5.9657 | 1.0000 | 38.2840 | 3.4952 | 1.00000 |
| 500  | 3.2440  | -6.0626 | 1.0000 | 39.0782 | 3.5074 | 1.00000 |
| 600  | 3.3256  | -6.1417 | 1.0000 | 39.7380 | 3.5270 | 1.00000 |
| 700  | 3.3955  | -6.2087 | 1.0000 | 40.3090 | 3.5516 | 1.00000 |
| 800  | 3.4572  | -6.2667 | 1.0000 | 40.8144 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -6.3178 | 1.0000 | 41.2700 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -6.3636 | 1.0000 | 41.6852 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -6.4050 | 1.0000 | 42.0675 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -6.4428 | 1.0000 | 42.4234 | 3.7122 | 1.00000 |
| 1300 | 3.6874  | -6.4775 | 1.0000 | 42.7543 | 3.7452 | 1.00000 |
| 1400 | 3.7234  | -6.5097 | 1.0000 | 43.0653 | 3.7779 | 1.00000 |
| 1500 | 3.7571  | -6.5363 | 1.0000 | 43.3620 | 3.8106 | 1.00000 |
| 1500 | 3.7603  | -6.5403 | 1.0007 | 43.3912 | 3.8393 | 1.00073 |
| 1600 | 3.7998  | -6.5691 | 1.0026 | 43.7434 | 3.9412 | 1.00260 |
| 1700 | 3.8494  | -6.5977 | 1.0079 | 44.2054 | 4.1587 | 1.00792 |
| 1800 | 3.9196  | -6.6281 | 1.0209 | 44.9132 | 4.6170 | 1.02094 |
| 1900 | 4.0178  | -6.6630 | 1.0480 | 46.0501 | 5.4833 | 1.04802 |
| 2000 | 4.1343  | -6.7035 | 1.0930 | 47.6921 | 6.8120 | 1.09299 |
| 2100 | 4.2376  | -6.7450 | 1.1454 | 49.4768 | 8.2288 | 1.14537 |
| 2200 | 4.3011  | -6.7791 | 1.1826 | 50.7458 | 9.0929 | 1.18261 |
| 2300 | 4.3319  | -6.8046 | 1.1994 | 51.4007 | 9.3361 | 1.19942 |
| 2400 | 4.3482  | -6.8253 | 1.2056 | 51.7505 | 9.2889 | 1.20560 |
| 2500 | 4.3595  | -6.8438 | 1.2079 | 51.9915 | 9.1537 | 1.20791 |
| 2600 | 4.3693  | -6.8613 | 1.2090 | 52.1959 | 9.0020 | 1.20898 |
| 2700 | 4.3788  | -6.8779 | 1.2097 | 52.3904 | 8.8591 | 1.20973 |
| 2800 | 4.3886  | -6.8940 | 1.2107 | 52.5897 | 8.7390 | 1.21067 |
| 2900 | 4.3995  | -6.9098 | 1.2122 | 52.8082 | 8.6524 | 1.21219 |
| 3000 | 4.4125  | -6.9255 | 1.2149 | 53.0658 | 8.6172 | 1.21487 |
| 3100 | 4.4289  | -6.9414 | 1.2196 | 53.3919 | 8.6606 | 1.21955 |
| 3200 | 4.4506  | -6.9580 | 1.2275 | 53.8283 | 8.8195 | 1.22747 |
| 3300 | 4.4799  | -6.9760 | 1.2405 | 54.4339 | 9.1493 | 1.24049 |
| 3400 | 4.5193  | -6.9961 | 1.2612 | 55.2882 | 9.7231 | 1.26117 |

## LOG P=-5.7

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT    | Z*      |
|------|---------|---------|--------|---------|---------|---------|
| 100  | 2.5417  | -5.2636 | 1.0000 | 33.2083 | 3.4806  | 1.00000 |
| 200  | 2.8434  | -5.5646 | 1.0000 | 35.6275 | 3.4862  | 1.00000 |
| 300  | 3.0198  | -5.7407 | 1.0000 | 37.0443 | 3.4891  | 1.00000 |
| 400  | 3.1455  | -5.8657 | 1.0000 | 38.0540 | 3.4952  | 1.00000 |
| 500  | 3.2440  | -5.9626 | 1.0000 | 38.8479 | 3.5074  | 1.00000 |
| 600  | 3.3256  | -6.0417 | 1.0000 | 39.5080 | 3.5270  | 1.00000 |
| 700  | 3.3955  | -6.1087 | 1.0000 | 40.0790 | 3.5516  | 1.00000 |
| 800  | 3.4572  | -6.1667 | 1.0000 | 40.5842 | 3.5817  | 1.00000 |
| 900  | 3.5121  | -6.2178 | 1.0000 | 41.0400 | 3.6129  | 1.00000 |
| 1000 | 3.5619  | -6.2636 | 1.0000 | 41.4553 | 3.6467  | 1.00000 |
| 1100 | 3.6071  | -6.3050 | 1.0000 | 41.8370 | 3.6791  | 1.00000 |
| 1200 | 3.6488  | -6.3428 | 1.0000 | 42.1931 | 3.7122  | 1.00000 |
| 1300 | 3.6874  | -6.3775 | 1.0000 | 42.5242 | 3.7452  | 1.00000 |
| 1400 | 3.7234  | -6.4097 | 1.0000 | 42.8354 | 3.7779  | 1.00000 |
| 1500 | 3.7571  | -6.4308 | 1.0000 | 43.1312 | 3.8106  | 1.00000 |
| 1500 | 3.7600  | -6.4402 | 1.0007 | 43.1575 | 3.8360  | 1.00065 |
| 1600 | 3.7986  | -6.4690 | 1.0023 | 43.5018 | 3.9304  | 1.00232 |
| 1700 | 3.8462  | -6.4974 | 1.0071 | 43.9428 | 4.1282  | 1.00707 |
| 1800 | 3.9126  | -6.5272 | 1.0188 | 44.6039 | 4.5425  | 1.01875 |
| 1900 | 4.0057  | -6.5610 | 1.0433 | 45.6581 | 5.3321  | 1.04332 |
| 2000 | 4.1191  | -6.6004 | 1.0853 | 47.2061 | 6.5769  | 1.08529 |
| 2100 | 4.2249  | -6.6419 | 1.1372 | 48.9772 | 7.9920  | 1.13721 |
| 2200 | 4.2944  | -6.6773 | 1.1775 | 50.3345 | 8.9534  | 1.17754 |
| 2300 | 4.3292  | -6.7038 | 1.1972 | 51.0673 | 9.2787  | 1.19721 |
| 2400 | 4.3472  | -6.7249 | 1.2047 | 51.4512 | 9.2671  | 1.20470 |
| 2500 | 4.3591  | -6.7437 | 1.2075 | 51.7043 | 9.1446  | 1.20752 |
| 2600 | 4.3691  | -6.7612 | 1.2088 | 51.9124 | 8.9969  | 1.20876 |
| 2700 | 4.3785  | -6.7779 | 1.2096 | 52.1070 | 8.8543  | 1.20956 |
| 2800 | 4.3883  | -6.7940 | 1.2105 | 52.3038 | 8.7318  | 1.21046 |
| 2900 | 4.3989  | -6.8097 | 1.2119 | 52.5165 | 8.6398  | 1.21185 |
| 3000 | 4.4113  | -6.8253 | 1.2143 | 52.7632 | 8.5943  | 1.21426 |
| 3100 | 4.4269  | -6.8410 | 1.2184 | 53.0704 | 8.6198  | 1.21844 |
| 3200 | 4.4471  | -6.8573 | 1.2255 | 53.4754 | 8.7491  | 1.22552 |
| 3300 | 4.4743  | -6.8748 | 1.2372 | 54.0312 | 9.0319  | 1.23715 |
| 3400 | 4.5108  | -6.8942 | 1.2556 | 54.8093 | 9.5338  | 1.25563 |
| 3500 | 4.5584  | -6.9165 | 1.2840 | 55.8984 | 10.3353 | 1.28398 |
| 3600 | 4.6183  | -6.9427 | 1.3259 | 57.4037 | 11.5339 | 1.32593 |
| 3700 | 4.6892  | -6.9736 | 1.3852 | 59.4218 | 13.2140 | 1.38519 |

LOG P=-5.6

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5417  | -5.1636 | 1.0000 | 32.9781 | 3.4806 | 1.00000 |
| 200  | 2.8434  | -5.4646 | 1.0000 | 35.3970 | 3.4862 | 1.00000 |
| 300  | 3.0198  | -5.6407 | 1.0000 | 36.8133 | 3.4891 | 1.00000 |
| 400  | 3.1455  | -5.7657 | 1.0000 | 37.8239 | 3.4952 | 1.00000 |
| 500  | 3.2440  | -5.8626 | 1.0000 | 38.6179 | 3.5074 | 1.00000 |
| 600  | 3.3256  | -5.9417 | 1.0000 | 39.2777 | 3.5270 | 1.00000 |
| 700  | 3.3955  | -6.0087 | 1.0000 | 39.8490 | 3.5516 | 1.00000 |
| 800  | 3.4572  | -6.0667 | 1.0000 | 40.3537 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -6.1178 | 1.0000 | 40.8096 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -6.1636 | 1.0000 | 41.2251 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -6.2050 | 1.0000 | 41.6065 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -6.2428 | 1.0000 | 41.9626 | 3.7122 | 1.00000 |
| 1300 | 3.6874  | -6.2775 | 1.0000 | 42.2937 | 3.7452 | 1.00000 |
| 1400 | 3.7234  | -6.3097 | 1.0000 | 42.6049 | 3.7779 | 1.00000 |
| 1500 | 3.7571  | -6.3321 | 1.0000 | 42.8800 | 3.8106 | 1.00000 |
| 1500 | 3.7597  | -6.3402 | 1.0006 | 42.9243 | 3.8332 | 1.00058 |
| 1600 | 3.7975  | -6.3689 | 1.0021 | 43.2615 | 3.9208 | 1.00206 |
| 1700 | 3.8433  | -6.3970 | 1.0063 | 43.6837 | 4.1009 | 1.00631 |
| 1800 | 3.9061  | -6.4264 | 1.0168 | 44.3026 | 4.4756 | 1.01678 |
| 1900 | 3.9943  | -6.4592 | 1.0390 | 45.2802 | 5.1939 | 1.03903 |

|      |        |         |        |         |         |         |
|------|--------|---------|--------|---------|---------|---------|
| 2000 | 4.1041 | -6.4975 | 1.0780 | 46.7338 | 6.3536  | 1.07799 |
| 2100 | 4.2115 | -6.5387 | 1.1288 | 48.4730 | 7.7487  | 1.12884 |
| 2200 | 4.2867 | -6.5751 | 1.1718 | 49.9066 | 8.7959  | 1.17183 |
| 2300 | 4.3260 | -6.6028 | 1.1946 | 50.7231 | 9.2098  | 1.19457 |
| 2400 | 4.3459 | -6.6246 | 1.2035 | 51.1473 | 9.2405  | 1.20361 |
| 2500 | 4.3586 | -6.6435 | 1.2070 | 51.4152 | 9.1336  | 1.20704 |
| 2600 | 4.3688 | -6.6611 | 1.2085 | 51.6283 | 8.9911  | 1.20851 |
| 2700 | 4.3783 | -6.6778 | 1.2094 | 51.8236 | 8.8494  | 1.20937 |
| 2800 | 4.3879 | -6.6939 | 1.2103 | 52.0184 | 8.7251  | 1.21025 |
| 2900 | 4.3983 | -6.7096 | 1.2115 | 52.2260 | 8.6283  | 1.21153 |
| 3000 | 4.4103 | -6.7251 | 1.2137 | 52.4632 | 8.5737  | 1.21370 |
| 3100 | 4.4250 | -6.7407 | 1.2175 | 52.7535 | 8.5833  | 1.21745 |
| 3200 | 4.4440 | -6.7567 | 1.2238 | 53.1305 | 8.6862  | 1.22377 |
| 3300 | 4.4692 | -6.7737 | 1.2342 | 53.6417 | 8.9269  | 1.23415 |
| 3400 | 4.5030 | -6.7925 | 1.2507 | 54.3514 | 9.3646  | 1.25067 |
| 3500 | 4.5472 | -6.8138 | 1.2761 | 55.3403 | 10.0720 | 1.27605 |
| 3600 | 4.6032 | -6.8387 | 1.3138 | 56.7059 | 11.1400 | 1.31375 |
| 3700 | 4.6704 | -6.8679 | 1.3674 | 58.5437 | 12.6527 | 1.36736 |
| 3800 | 4.7462 | -6.9020 | 1.4399 | 60.9234 | 14.6700 | 1.43991 |
| 3900 | 4.8252 | -6.9399 | 1.5311 | 63.8078 | 17.1428 | 1.53105 |
| 4000 | 4.8999 | -6.9793 | 1.6345 | 66.9872 | 19.8540 | 1.63449 |

LOG P=-5.5

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT    | Z*      |
|------|---------|---------|--------|---------|---------|---------|
| 100  | 2.5417  | -5.0636 | 1.0000 | 32.7476 | 3.4806  | 1.00000 |
| 200  | 2.8434  | -5.3646 | 1.0000 | 35.1664 | 3.4862  | 1.00000 |
| 300  | 3.0198  | -5.5407 | 1.0000 | 36.5836 | 3.4691  | 1.00000 |
| 400  | 3.1455  | -5.6657 | 1.0000 | 37.5933 | 3.4952  | 1.00000 |
| 500  | 3.2440  | -5.7626 | 1.0000 | 38.3877 | 3.5074  | 1.00000 |
| 600  | 3.3256  | -5.8417 | 1.0000 | 39.0472 | 3.5270  | 1.00000 |
| 700  | 3.3955  | -5.9087 | 1.0000 | 39.6186 | 3.5516  | 1.00000 |
| 800  | 3.4572  | -5.9667 | 1.0000 | 40.1234 | 3.5817  | 1.00000 |
| 900  | 3.5121  | -6.0178 | 1.0000 | 40.5791 | 3.6129  | 1.00000 |
| 1000 | 3.5619  | -6.0636 | 1.0000 | 40.9946 | 3.6467  | 1.00000 |
| 1100 | 3.6071  | -6.1050 | 1.0000 | 41.3765 | 3.6791  | 1.00000 |
| 1200 | 3.6486  | -6.1428 | 1.0000 | 41.7324 | 3.7122  | 1.00000 |
| 1300 | 3.6874  | -6.1775 | 1.0000 | 42.0633 | 3.7452  | 1.00000 |
| 1400 | 3.7234  | -6.2097 | 1.0000 | 42.3744 | 3.7779  | 1.00000 |
| 1500 | 3.7571  | -6.2376 | 1.0000 | 42.6238 | 3.8106  | 1.00000 |
| 1500 | 3.7594  | -6.2402 | 1.0005 | 42.6913 | 3.8306  | 1.00051 |
| 1600 | 3.7906  | -6.2688 | 1.0018 | 43.0222 | 3.9123  | 1.00184 |
| 1700 | 3.8407  | -6.2967 | 1.0056 | 43.4276 | 4.0764  | 1.00563 |
| 1800 | 3.9003  | -6.3256 | 1.0150 | 44.0085 | 4.4154  | 1.01501 |
| 1900 | 3.9836  | -6.3576 | 1.0351 | 44.9155 | 5.0679  | 1.03512 |
| 2000 | 4.0894  | -6.3947 | 1.0711 | 46.2756 | 6.1429  | 1.07110 |
| 2100 | 4.1974  | -6.4354 | 1.1204 | 47.9678 | 7.5024  | 1.12036 |
| 2200 | 4.2780  | -6.4723 | 1.1655 | 49.4621 | 8.6206  | 1.16547 |
| 2300 | 4.3221  | -6.5017 | 1.1914 | 50.3665 | 9.1280  | 1.19143 |
| 2400 | 4.3444  | -6.5241 | 1.2023 | 50.8380 | 9.2081  | 1.20229 |
| 2500 | 4.3580  | -6.5433 | 1.2065 | 51.1241 | 9.1203  | 1.20646 |
| 2600 | 4.3685  | -6.5610 | 1.2082 | 51.3433 | 8.9844  | 1.20821 |
| 2700 | 4.3780  | -6.5777 | 1.2092 | 51.5401 | 8.8443  | 1.20917 |
| 2800 | 4.3876  | -6.5938 | 1.2101 | 51.7334 | 8.7188  | 1.21005 |
| 2900 | 4.3978  | -6.6095 | 1.2112 | 51.9367 | 8.6179  | 1.21124 |
| 3000 | 4.4094  | -6.6249 | 1.2132 | 52.1653 | 8.5552  | 1.21320 |
| 3100 | 4.4234  | -6.6404 | 1.2166 | 52.4407 | 8.5507  | 1.21655 |
| 3200 | 4.4412  | -6.6561 | 1.2222 | 52.7927 | 8.6300  | 1.22220 |
| 3300 | 4.4646  | -6.6728 | 1.2315 | 53.2642 | 8.8332  | 1.23148 |
| 3400 | 4.4959  | -6.6909 | 1.2462 | 53.9126 | 9.2133  | 1.24624 |
| 3500 | 4.5369  | -6.7114 | 1.2690 | 54.8112 | 9.8361  | 1.26895 |
| 3600 | 4.5892  | -6.7350 | 1.3028 | 56.0499 | 10.7855 | 1.30277 |
| 3700 | 4.6526  | -6.7628 | 1.3512 | 57.7213 | 12.1435 | 1.35117 |
| 3800 | 4.7253  | -6.7951 | 1.4174 | 59.9038 | 13.9793 | 1.41739 |

|      |        |         |        |         |         |         |
|------|--------|---------|--------|---------|---------|---------|
| 3900 | 4.8027 | -6.8316 | 1.5022 | 62.5953 | 16.2790 | 1.50218 |
| 4000 | 4.8783 | -6.8704 | 1.6014 | 65.6497 | 18.8892 | 1.60142 |
| 4100 | 4.9449 | -6.9082 | 1.7045 | 68.7443 | 21.4856 | 1.70450 |
| 4200 | 4.9973 | -6.9416 | 1.7969 | 71.4683 | 23.6641 | 1.79687 |
| 4300 | 5.0344 | -6.9638 | 1.8683 | 73.5559 | 25.1751 | 1.86828 |
| 4400 | 5.0586 | -6.9899 | 1.9168 | 74.9831 | 26.0128 | 1.91660 |

LOG P=-5.4

| T    | LOG H/R | LOG RHC | Z      | S/R     | H/RT    | Z*      |
|------|---------|---------|--------|---------|---------|---------|
| 100  | 2.5417  | -4.9636 | 1.0000 | 32.5173 | 3.4806  | 1.00000 |
| 200  | 2.8434  | -5.2646 | 1.0000 | 34.9359 | 3.4862  | 1.00000 |
| 300  | 3.0198  | -5.4407 | 1.0000 | 36.3537 | 3.4891  | 1.00000 |
| 400  | 3.1455  | -5.5657 | 1.0000 | 37.3630 | 3.4952  | 1.00000 |
| 500  | 3.2440  | -5.6626 | 1.0000 | 38.1572 | 3.5074  | 1.00000 |
| 600  | 3.3256  | -5.7417 | 1.0000 | 38.8170 | 3.5270  | 1.00000 |
| 700  | 3.3955  | -5.8087 | 1.0000 | 39.3860 | 3.5516  | 1.00000 |
| 800  | 3.4572  | -5.8667 | 1.0000 | 39.8934 | 3.5817  | 1.00000 |
| 900  | 3.5121  | -5.9178 | 1.0000 | 40.3490 | 3.6129  | 1.00000 |
| 1000 | 3.5619  | -5.9636 | 1.0000 | 40.7643 | 3.6467  | 1.00000 |
| 1100 | 3.6071  | -6.0050 | 1.0000 | 41.1465 | 3.6791  | 1.00000 |
| 1200 | 3.6488  | -6.0428 | 1.0000 | 41.5024 | 3.7122  | 1.00000 |
| 1300 | 3.6874  | -6.0775 | 1.0000 | 41.8334 | 3.7452  | 1.00000 |
| 1400 | 3.7234  | -6.1097 | 1.0000 | 42.1444 | 3.7779  | 1.00000 |
| 1500 | 3.7571  | -6.1402 | 1.0000 | 42.3993 | 3.8106  | 1.00000 |
| 1500 | 3.7591  | -6.1402 | 1.0005 | 42.4587 | 3.8283  | 1.00046 |
| 1600 | 3.7957  | -6.1687 | 1.0016 | 42.7839 | 3.9046  | 1.00164 |
| 1700 | 3.8384  | -6.1965 | 1.0050 | 43.1743 | 4.0546  | 1.00503 |
| 1800 | 3.8949  | -6.2249 | 1.0134 | 43.7210 | 4.3615  | 1.01343 |
| 1900 | 3.9737  | -6.2561 | 1.0316 | 44.5631 | 4.9535  | 1.03157 |
| 2000 | 4.0752  | -6.2921 | 1.0647 | 45.8327 | 5.9458  | 1.06465 |
| 2100 | 4.1830  | -6.3321 | 1.1119 | 47.4651 | 7.2567  | 1.11191 |
| 2200 | 4.2682  | -6.3702 | 1.1585 | 49.0030 | 8.4289  | 1.15853 |
| 2300 | 4.3175  | -6.4003 | 1.1878 | 49.9964 | 9.0317  | 1.18775 |
| 2400 | 4.3425  | -6.4235 | 1.2007 | 50.5220 | 9.1688  | 1.20070 |
| 2500 | 4.3572  | -6.4431 | 1.2058 | 50.8302 | 9.1041  | 1.20576 |
| 2600 | 4.3681  | -6.4609 | 1.2079 | 51.0574 | 8.9766  | 1.20786 |
| 2700 | 4.3778  | -6.4776 | 1.2090 | 51.2563 | 8.8389  | 1.20895 |
| 2800 | 4.3873  | -6.4937 | 1.2098 | 51.4487 | 8.7127  | 1.20984 |
| 2900 | 4.3973  | -6.5094 | 1.2110 | 51.6483 | 8.6084  | 1.21096 |
| 3000 | 4.4085  | -6.5248 | 1.2127 | 51.8694 | 8.5386  | 1.21274 |
| 3100 | 4.4219  | -6.5401 | 1.2158 | 52.1314 | 8.5215  | 1.21575 |
| 3200 | 4.4386  | -6.5557 | 1.2208 | 52.4613 | 8.5798  | 1.22080 |
| 3300 | 4.4605  | -6.5720 | 1.2291 | 52.8972 | 8.7495  | 1.22909 |
| 3400 | 4.4895  | -6.5896 | 1.2423 | 53.4910 | 9.0781  | 1.24227 |
| 3500 | 4.5275  | -6.6092 | 1.2626 | 54.3086 | 9.6248  | 1.26259 |
| 3600 | 4.5761  | -6.6317 | 1.2929 | 55.4325 | 10.4669 | 1.29292 |
| 3700 | 4.6357  | -6.6580 | 1.3365 | 56.9507 | 11.6823 | 1.33652 |
| 3800 | 4.7051  | -6.6888 | 1.3967 | 58.9462 | 13.3457 | 1.39673 |
| 3900 | 4.7805  | -6.7237 | 1.4751 | 61.4426 | 15.4688 | 1.47510 |
| 4000 | 4.8562  | -6.7616 | 1.5693 | 64.3480 | 17.9515 | 1.56932 |
| 4100 | 4.9253  | -6.7996 | 1.6711 | 67.4048 | 20.5336 | 1.67112 |
| 4200 | 4.9818  | -6.8344 | 1.7670 | 70.2278 | 22.8334 | 1.76704 |
| 4300 | 5.0235  | -6.8634 | 1.8453 | 72.5021 | 24.5489 | 1.84526 |
| 4400 | 5.0515  | -6.8863 | 1.9010 | 74.1215 | 25.5905 | 1.90095 |
| 4500 | 5.0695  | -6.9042 | 1.9371 | 75.1931 | 26.0804 | 1.93707 |
| 4600 | 5.0810  | -6.9187 | 1.9592 | 75.8321 | 26.1945 | 1.95917 |
| 4700 | 5.0885  | -6.9310 | 1.9724 | 76.3363 | 26.0863 | 1.97244 |
| 4800 | 5.0938  | -6.9419 | 1.9805 | 76.6547 | 25.8580 | 1.98051 |
| 4900 | 5.0980  | -6.9519 | 1.9856 | 76.8981 | 25.5713 | 1.98561 |
| 5000 | 5.1014  | -6.9615 | 1.9891 | 77.1014 | 25.2612 | 1.98911 |
| 5100 | 5.1047  | -6.9707 | 1.9918 | 77.2880 | 24.9507 | 1.99183 |
| 5200 | 5.1078  | -6.9797 | 1.9943 | 77.4700 | 24.6513 | 1.99429 |
| 5300 | 5.1112  | -6.9885 | 1.9969 | 77.6577 | 24.3725 | 1.99687 |

5400 5.1148 -6.9972 1.9999 77.8589 24.1210 1.99985

LOG P=-5.3

| T    | LOG H/R | LOG RHG | Z      | S/R     | H/RT    | Z*      |
|------|---------|---------|--------|---------|---------|---------|
| 100  | 2.5417  | -4.8636 | 1.0000 | 32.2873 | 3.4806  | 1.00000 |
| 200  | 2.8434  | -5.1646 | 1.0000 | 34.7056 | 3.4862  | 1.00000 |
| 300  | 3.0198  | -5.3407 | 1.0000 | 36.1234 | 3.4891  | 1.00000 |
| 400  | 3.1455  | -5.4657 | 1.0000 | 37.1330 | 3.4952  | 1.00000 |
| 500  | 3.2440  | -5.5626 | 1.0000 | 37.9269 | 3.5074  | 1.00000 |
| 600  | 3.3256  | -5.6417 | 1.0000 | 38.5870 | 3.5270  | 1.00000 |
| 700  | 3.3955  | -5.7087 | 1.0000 | 39.1580 | 3.5516  | 1.00000 |
| 800  | 3.4572  | -5.7667 | 1.0000 | 39.6632 | 3.5817  | 1.00000 |
| 900  | 3.5121  | -5.8178 | 1.0000 | 40.1190 | 3.6129  | 1.00000 |
| 1000 | 3.5619  | -5.8636 | 1.0000 | 40.5343 | 3.6467  | 1.00000 |
| 1100 | 3.6071  | -5.9050 | 1.0000 | 40.9160 | 3.6791  | 1.00000 |
| 1200 | 3.6488  | -5.9428 | 1.0000 | 41.2721 | 3.7122  | 1.00000 |
| 1300 | 3.6874  | -5.9775 | 1.0000 | 41.6032 | 3.7452  | 1.00000 |
| 1400 | 3.7234  | -6.0097 | 1.0000 | 41.9144 | 3.7779  | 1.00000 |
| 1500 | 3.7571  | -6.0400 | 1.0000 | 42.1976 | 3.8106  | 1.00000 |
| 1500 | 3.7589  | -6.0401 | 1.0004 | 42.2263 | 3.8263  | 1.00041 |
| 1600 | 3.7949  | -6.0686 | 1.0015 | 42.5465 | 3.8978  | 1.00146 |
| 1700 | 3.8363  | -6.0962 | 1.0045 | 42.9234 | 4.0351  | 1.00449 |
| 1800 | 3.8901  | -6.1243 | 1.0120 | 43.4394 | 4.3130  | 1.01200 |
| 1900 | 3.9645  | -6.1548 | 1.0284 | 44.2222 | 4.8498  | 1.02835 |
| 2000 | 4.0616  | -6.1896 | 1.0586 | 45.4047 | 5.7622  | 1.05864 |
| 2100 | 4.1682  | -6.2289 | 1.1036 | 46.9680 | 7.0147  | 1.10358 |
| 2200 | 4.2574  | -6.2674 | 1.1511 | 48.5308 | 8.2226  | 1.15107 |
| 2300 | 4.3121  | -6.2987 | 1.1835 | 49.6112 | 8.9196  | 1.18347 |
| 2400 | 4.3403  | -6.3228 | 1.1988 | 50.1982 | 9.1212  | 1.19877 |
| 2500 | 4.3562  | -6.3428 | 1.2049 | 50.5330 | 9.0845  | 1.20491 |
| 2600 | 4.3676  | -6.3607 | 1.2074 | 50.7701 | 8.9674  | 1.20744 |
| 2700 | 4.3775  | -6.3775 | 1.2087 | 50.9721 | 8.8330  | 1.20870 |
| 2800 | 4.3870  | -6.3937 | 1.2096 | 51.1642 | 8.7067  | 1.20962 |
| 2900 | 4.3969  | -6.4093 | 1.2107 | 51.3606 | 8.5995  | 1.21068 |
| 3000 | 4.4077  | -6.4246 | 1.2123 | 51.5752 | 8.5236  | 1.21232 |
| 3100 | 4.4205  | -6.4398 | 1.2150 | 51.8254 | 8.4953  | 1.21503 |
| 3200 | 4.4364  | -6.4552 | 1.2195 | 52.1355 | 8.5350  | 1.21954 |
| 3300 | 4.4568  | -6.4712 | 1.2270 | 52.5397 | 8.6748  | 1.22695 |
| 3400 | 4.4837  | -6.4883 | 1.2387 | 53.0845 | 8.9573  | 1.23873 |
| 3500 | 4.5188  | -6.5072 | 1.2569 | 53.8294 | 9.4357  | 1.25689 |
| 3600 | 4.5641  | -6.5288 | 1.2841 | 54.8497 | 10.1807 | 1.28406 |
| 3700 | 4.6200  | -6.5537 | 1.3233 | 56.2279 | 11.2658 | 1.32329 |
| 3800 | 4.6859  | -6.5828 | 1.3779 | 58.0480 | 12.7669 | 1.37785 |
| 3900 | 4.7588  | -6.6162 | 1.4499 | 60.3510 | 14.7140 | 1.44985 |
| 4000 | 4.8338  | -6.6530 | 1.5385 | 63.0897 | 17.0508 | 1.53845 |
| 4100 | 4.9046  | -6.6908 | 1.6376 | 66.0694 | 19.5784 | 1.63760 |
| 4200 | 4.9648  | -6.7265 | 1.7355 | 68.9459 | 21.9542 | 1.73547 |
| 4300 | 5.0110  | -6.7573 | 1.8195 | 71.3806 | 23.8493 | 1.81954 |
| 4400 | 5.0431  | -6.7820 | 1.8824 | 73.1926 | 25.0976 | 1.88241 |
| 4500 | 5.0642  | -6.8015 | 1.9248 | 74.4288 | 25.7613 | 1.92481 |
| 4600 | 5.0777  | -6.8170 | 1.9514 | 75.2334 | 25.9963 | 1.95141 |
| 4700 | 5.0865  | -6.8299 | 1.9676 | 75.7605 | 25.9644 | 1.96760 |
| 4800 | 5.0926  | -6.8412 | 1.9774 | 76.1224 | 25.7814 | 1.97744 |
| 4900 | 5.0971  | -6.8515 | 1.9836 | 76.3905 | 25.5206 | 1.98360 |
| 5000 | 5.1008  | -6.8612 | 1.9877 | 76.6068 | 25.2244 | 1.98769 |
| 5100 | 5.1041  | -6.8704 | 1.9907 | 76.7989 | 24.9200 | 1.99070 |
| 5200 | 5.1073  | -6.8794 | 1.9933 | 76.9812 | 24.6217 | 1.99326 |
| 5300 | 5.1106  | -6.8882 | 1.9958 | 77.1653 | 24.3399 | 1.99580 |
| 5400 | 5.1141  | -6.8970 | 1.9986 | 77.3595 | 24.0819 | 1.99860 |
| 5500 | 5.1179  | -6.9057 | 2.0020 | 77.5708 | 23.8537 | 2.00195 |
| 5600 | 5.1222  | -6.9144 | 2.0061 | 77.8062 | 23.6610 | 2.00607 |
| 5700 | 5.1271  | -6.9232 | 2.0113 | 78.0728 | 23.5102 | 2.01124 |
| 5800 | 5.1328  | -6.9322 | 2.0178 | 78.3783 | 23.4076 | 2.01776 |

|      |        |         |        |         |         |         |
|------|--------|---------|--------|---------|---------|---------|
| 5900 | 5.1393 | -6.9413 | 2.0259 | 78.7318 | 23.3611 | 2.02594 |
| 6000 | 5.1470 | -6.9508 | 2.0362 | 79.1429 | 23.3789 | 2.03615 |
| 6100 | 5.1559 | -6.9607 | 2.0488 | 79.6229 | 23.4719 | 2.04885 |
| 6200 | 5.1662 | -6.9711 | 2.0645 | 80.1845 | 23.6505 | 2.06451 |
| 6300 | 5.1782 | -6.9820 | 2.0837 | 80.8418 | 23.9273 | 2.08370 |
| 6400 | 5.1921 | -6.9937 | 2.1070 | 81.6101 | 24.3160 | 2.10706 |

LOG P=-5.2

| I    | LOG H/R | LOG RHO | Z      | S/R     | H/RT    | Z*      |
|------|---------|---------|--------|---------|---------|---------|
| 100  | 2.5417  | -4.7636 | 1.0000 | 32.0571 | 3.4806  | 1.00000 |
| 200  | 2.8434  | -5.0646 | 1.0000 | 34.4757 | 3.4862  | 1.00000 |
| 300  | 3.0198  | -5.2407 | 1.0000 | 35.8929 | 3.4891  | 1.00000 |
| 400  | 3.1455  | -5.3657 | 1.0000 | 36.9028 | 3.4952  | 1.00000 |
| 500  | 3.2440  | -5.4626 | 1.0000 | 37.6969 | 3.5074  | 1.00000 |
| 600  | 3.3256  | -5.5418 | 1.0000 | 38.3568 | 3.5270  | 1.00000 |
| 700  | 3.3955  | -5.6087 | 1.0000 | 38.9280 | 3.5516  | 1.00000 |
| 800  | 3.4572  | -5.6667 | 1.0000 | 39.4327 | 3.5817  | 1.00000 |
| 900  | 3.5121  | -5.7178 | 1.0000 | 39.8886 | 3.6129  | 1.00000 |
| 1000 | 3.5619  | -5.7636 | 1.0000 | 40.3041 | 3.6467  | 1.00000 |
| 1100 | 3.6071  | -5.8050 | 1.0000 | 40.6855 | 3.6791  | 1.00000 |
| 1200 | 3.6488  | -5.8428 | 1.0000 | 41.0416 | 3.7122  | 1.00000 |
| 1300 | 3.6874  | -5.8775 | 1.0000 | 41.3727 | 3.7452  | 1.00000 |
| 1400 | 3.7234  | -5.9097 | 1.0000 | 41.6839 | 3.7779  | 1.00000 |
| 1500 | 3.7571  | -5.9397 | 1.0000 | 41.9814 | 3.8106  | 1.00000 |
| 1500 | 3.7587  | -5.9401 | 1.0004 | 41.9941 | 3.8244  | 1.00036 |
| 1600 | 3.7943  | -5.9685 | 1.0013 | 42.3098 | 3.8917  | 1.00130 |
| 1700 | 3.8344  | -5.9960 | 1.0040 | 42.6748 | 4.0177  | 1.00400 |
| 1800 | 3.8857  | -6.0238 | 1.0107 | 43.1631 | 4.2696  | 1.01072 |
| 1900 | 3.9560  | -6.0535 | 1.0254 | 43.8919 | 4.7559  | 1.02544 |
| 2000 | 4.0486  | -6.0874 | 1.0531 | 44.9918 | 5.5925  | 1.05309 |
| 2100 | 4.1534  | -6.1257 | 1.0955 | 46.4795 | 6.7793  | 1.09549 |
| 2200 | 4.2458  | -6.1644 | 1.1432 | 48.0485 | 8.0045  | 1.14319 |
| 2300 | 4.3058  | -6.1969 | 1.1786 | 49.2107 | 8.7909  | 1.17857 |
| 2400 | 4.3375  | -6.2220 | 1.1965 | 49.8652 | 9.0641  | 1.19646 |
| 2500 | 4.3551  | -6.2424 | 1.2039 | 50.2318 | 9.0606  | 1.20369 |
| 2600 | 4.3671  | -6.2605 | 1.2070 | 50.4312 | 8.9565  | 1.20695 |
| 2700 | 4.3772  | -6.2774 | 1.2084 | 50.6373 | 8.8265  | 1.20841 |
| 2800 | 4.3867  | -6.2936 | 1.2094 | 50.8797 | 8.7007  | 1.20939 |
| 2900 | 4.3965  | -6.3092 | 1.2104 | 51.0736 | 8.5912  | 1.21042 |
| 3000 | 4.4071  | -6.3245 | 1.2119 | 51.2825 | 8.5100  | 1.21193 |
| 3100 | 4.4193  | -6.3396 | 1.2144 | 51.5222 | 8.4718  | 1.21437 |
| 3200 | 4.4343  | -6.3548 | 1.2184 | 51.8147 | 8.4949  | 1.21842 |
| 3300 | 4.4534  | -6.3705 | 1.2250 | 52.1907 | 8.6080  | 1.22503 |
| 3400 | 4.4784  | -6.3872 | 1.2356 | 52.6917 | 8.8493  | 1.23556 |
| 3500 | 4.5110  | -6.4055 | 1.2518 | 53.3715 | 9.2666  | 1.25179 |
| 3600 | 4.5530  | -6.4261 | 1.2761 | 54.2984 | 9.9241  | 1.27611 |
| 3700 | 4.6053  | -6.4498 | 1.3114 | 55.5493 | 10.8904 | 1.31136 |
| 3800 | 4.6676  | -6.4774 | 1.3607 | 57.2064 | 12.2406 | 1.36069 |
| 3900 | 4.7377  | -6.5092 | 1.4265 | 59.3225 | 14.0167 | 1.42653 |
| 4000 | 4.8115  | -6.5446 | 1.5091 | 61.8836 | 16.1958 | 1.50914 |
| 4100 | 4.8831  | -6.5820 | 1.6045 | 64.7524 | 18.6350 | 1.60447 |
| 4200 | 4.9464  | -6.6182 | 1.7027 | 67.6382 | 21.0426 | 1.70270 |
| 4300 | 4.9968  | -6.6505 | 1.7915 | 70.2003 | 23.0854 | 1.79146 |
| 4400 | 5.0332  | -6.6771 | 1.8612 | 72.1977 | 24.5341 | 1.86123 |
| 4500 | 5.0578  | -6.6982 | 1.9103 | 73.6088 | 25.3832 | 1.91029 |
| 4600 | 5.0736  | -6.7149 | 1.9420 | 74.5449 | 25.7564 | 1.94201 |
| 4700 | 5.0840  | -6.7286 | 1.9617 | 75.1590 | 25.8155 | 1.96166 |
| 4800 | 5.0910  | -6.7404 | 1.9737 | 75.5743 | 25.6883 | 1.97369 |
| 4900 | 5.0961  | -6.7510 | 1.9812 | 75.8735 | 25.4602 | 1.98116 |
| 5000 | 5.1001  | -6.7608 | 1.9860 | 76.1071 | 25.1823 | 1.98602 |
| 5100 | 5.1035  | -6.7702 | 1.9894 | 76.3075 | 24.8869 | 1.98944 |
| 5200 | 5.1068  | -6.7792 | 1.9922 | 76.4922 | 24.5915 | 1.99218 |
| 5300 | 5.1100  | -6.7880 | 1.9947 | 76.6744 | 24.3084 | 1.99473 |

|      |        |         |        |         |         |         |
|------|--------|---------|--------|---------|---------|---------|
| 5400 | 5.1134 | -6.7967 | 1.9974 | 76.8630 | 24.0454 | 1.99741 |
| 5500 | 5.1171 | -6.8054 | 2.0005 | 77.0653 | 23.8089 | 2.00051 |
| 5600 | 5.1212 | -6.8140 | 2.0043 | 77.2880 | 23.6046 | 2.00427 |
| 5700 | 5.1258 | -6.8227 | 2.0089 | 77.5378 | 23.4380 | 2.00893 |
| 5800 | 5.1311 | -6.8315 | 2.0148 | 77.8219 | 23.3154 | 2.01477 |
| 5900 | 5.1372 | -6.8405 | 2.0221 | 78.1484 | 23.2436 | 2.02209 |
| 6000 | 5.1442 | -6.8498 | 2.0312 | 78.5260 | 23.2303 | 2.03121 |
| 6100 | 5.1524 | -6.8594 | 2.0425 | 78.9648 | 23.2848 | 2.04254 |
| 6200 | 5.1619 | -6.8694 | 2.0565 | 79.4764 | 23.4168 | 2.05652 |
| 6300 | 5.1729 | -6.8799 | 2.0736 | 80.0731 | 23.6373 | 2.07364 |
| 6400 | 5.1856 | -6.8911 | 2.0945 | 80.7691 | 23.9584 | 2.09449 |
| 6500 | 5.2002 | -6.9030 | 2.1197 | 81.5797 | 24.3944 | 2.11969 |
| 6600 | 5.2168 | -6.9158 | 2.1500 | 82.5217 | 24.9598 | 2.14997 |
| 6700 | 5.2355 | -6.9296 | 2.1860 | 83.6123 | 25.6697 | 2.18607 |
| 6800 | 5.2564 | -6.9444 | 2.2288 | 84.8695 | 26.5404 | 2.22882 |
| 6900 | 5.2796 | -6.9604 | 2.2790 | 86.3113 | 27.5874 | 2.27903 |
| 7000 | 5.3049 | -6.9777 | 2.3374 | 87.9541 | 28.8247 | 2.33749 |
| 7100 | 5.3322 | -6.9962 | 2.4048 | 89.8099 | 30.2620 | 2.40487 |

LCG P=-5.1

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT    | Z*      |
|------|---------|---------|--------|---------|---------|---------|
| 100  | 2.5417  | -4.6636 | 1.0000 | 31.8266 | 3.4806  | 1.00000 |
| 200  | 2.8434  | -4.9646 | 1.0000 | 34.2455 | 3.4862  | 1.00000 |
| 300  | 3.0198  | -5.1407 | 1.0000 | 35.6623 | 3.4891  | 1.00000 |
| 400  | 3.1455  | -5.2657 | 1.0000 | 36.6723 | 3.4952  | 1.00000 |
| 500  | 3.2440  | -5.3626 | 1.0000 | 37.4667 | 3.5074  | 1.00000 |
| 600  | 3.3256  | -5.4418 | 1.0000 | 38.1262 | 3.5270  | 1.00000 |
| 700  | 3.3955  | -5.5087 | 1.0000 | 38.6975 | 3.5516  | 1.00000 |
| 800  | 3.4572  | -5.5667 | 1.0000 | 39.2024 | 3.5817  | 1.00000 |
| 900  | 3.5121  | -5.6178 | 1.0000 | 39.6581 | 3.6129  | 1.00000 |
| 1000 | 3.5619  | -5.6636 | 1.0000 | 40.0736 | 3.6467  | 1.00000 |
| 1100 | 3.6071  | -5.7050 | 1.0000 | 40.4554 | 3.6791  | 1.00000 |
| 1200 | 3.6488  | -5.7428 | 1.0000 | 40.8114 | 3.7122  | 1.00000 |
| 1300 | 3.6874  | -5.7775 | 1.0000 | 41.1423 | 3.7452  | 1.00000 |
| 1400 | 3.7234  | -5.8097 | 1.0000 | 41.4534 | 3.7779  | 1.00000 |
| 1500 | 3.7571  | -5.8397 | 1.0000 | 41.7500 | 3.8106  | 1.00000 |
| 1500 | 3.7585  | -5.8401 | 1.0003 | 41.7621 | 3.8228  | 1.00032 |
| 1600 | 3.7937  | -5.8685 | 1.0012 | 42.0739 | 3.8863  | 1.00117 |
| 1700 | 3.8327  | -5.8959 | 1.0036 | 42.4281 | 4.0021  | 1.00357 |
| 1800 | 3.8817  | -5.9233 | 1.0096 | 42.8916 | 4.2307  | 1.00958 |
| 1900 | 3.9482  | -5.9524 | 1.0228 | 43.5713 | 4.6711  | 1.02280 |
| 2000 | 4.0363  | -5.9852 | 1.0480 | 44.5935 | 5.4361  | 1.04798 |
| 2100 | 4.1366  | -6.0226 | 1.0877 | 46.0014 | 6.5526  | 1.08770 |
| 2200 | 4.2333  | -6.0613 | 1.1350 | 47.5592 | 7.7774  | 1.13499 |
| 2300 | 4.2985  | -6.0949 | 1.1730 | 48.7938 | 8.6449  | 1.17302 |
| 2400 | 4.3343  | -6.1210 | 1.1937 | 49.5217 | 8.9957  | 1.19371 |
| 2500 | 4.3537  | -6.1419 | 1.2026 | 49.9258 | 9.0316  | 1.20264 |
| 2600 | 4.3665  | -6.1603 | 1.2064 | 50.1903 | 8.9433  | 1.20635 |
| 2700 | 4.3768  | -6.1773 | 1.2081 | 50.4018 | 8.8192  | 1.20808 |
| 2800 | 4.3864  | -6.1935 | 1.2091 | 50.5951 | 8.6945  | 1.20914 |
| 2900 | 4.3961  | -6.2091 | 1.2102 | 50.7872 | 8.5835  | 1.21016 |
| 3000 | 4.4064  | -6.2243 | 1.2116 | 50.9911 | 8.4976  | 1.21156 |
| 3100 | 4.4183  | -6.2394 | 1.2138 | 51.2215 | 8.4507  | 1.21377 |
| 3200 | 4.4325  | -6.2544 | 1.2174 | 51.4984 | 8.4590  | 1.21741 |
| 3300 | 4.4504  | -6.2699 | 1.2233 | 51.8491 | 8.5483  | 1.22331 |
| 3400 | 4.4736  | -6.2862 | 1.2327 | 52.3111 | 8.7529  | 1.23272 |
| 3500 | 4.5038  | -6.3039 | 1.2472 | 52.9325 | 9.1153  | 1.24722 |
| 3600 | 4.5428  | -6.3236 | 1.2690 | 53.7754 | 9.6942  | 1.26899 |
| 3700 | 4.5916  | -6.3462 | 1.3006 | 54.9108 | 10.5526 | 1.30062 |
| 3800 | 4.6503  | -6.3724 | 1.3451 | 56.4176 | 11.7632 | 1.34512 |
| 3900 | 4.7174  | -6.4026 | 1.4051 | 58.3553 | 13.3754 | 1.40507 |
| 4000 | 4.7893  | -6.4366 | 1.4816 | 60.7351 | 15.3915 | 1.48157 |
| 4100 | 4.8612  | -6.4732 | 1.5722 | 63.4684 | 17.7163 | 1.57223 |

|      |        |         |        |         |         |         |
|------|--------|---------|--------|---------|---------|---------|
| 4200 | 4.9267 | -6.5096 | 1.6693 | 66.3201 | 20.1122 | 1.66928 |
| 4300 | 4.9811 | -6.5432 | 1.7613 | 68.9712 | 22.2646 | 1.76130 |
| 4400 | 5.0218 | -6.5715 | 1.8374 | 71.1373 | 23.8992 | 1.83738 |
| 4500 | 5.0501 | -6.5943 | 1.8933 | 72.7289 | 24.9410 | 1.89333 |
| 4600 | 5.0688 | -6.6123 | 1.9307 | 73.8107 | 25.4679 | 1.93072 |
| 4700 | 5.0809 | -6.6270 | 1.9544 | 74.5261 | 25.6334 | 1.95440 |
| 4800 | 5.0890 | -6.6394 | 1.9691 | 75.0060 | 25.5739 | 1.96907 |
| 4900 | 5.0948 | -6.6503 | 1.9782 | 75.3442 | 25.3867 | 1.97817 |
| 5000 | 5.0992 | -6.6604 | 1.9840 | 75.6002 | 25.1324 | 1.98401 |
| 5100 | 5.1029 | -6.6698 | 1.9880 | 75.8123 | 24.8495 | 1.98798 |
| 5200 | 5.1062 | -6.6789 | 1.9910 | 76.0018 | 24.5597 | 1.99100 |
| 5300 | 5.1095 | -6.6878 | 1.9936 | 76.1840 | 24.2772 | 1.99364 |
| 5400 | 5.1128 | -6.6965 | 1.9963 | 76.3686 | 24.0109 | 1.99626 |
| 5500 | 5.1164 | -6.7051 | 1.9992 | 76.5636 | 23.7677 | 1.99917 |
| 5600 | 5.1202 | -6.7136 | 2.0026 | 76.7754 | 23.5532 | 2.00262 |
| 5700 | 5.1246 | -6.7222 | 2.0068 | 77.0105 | 23.3732 | 2.00684 |
| 5800 | 5.1295 | -6.7309 | 2.0121 | 77.2757 | 23.2329 | 2.01209 |
| 5900 | 5.1352 | -6.7398 | 2.0186 | 77.5782 | 23.1387 | 2.01864 |
| 6000 | 5.1417 | -6.7488 | 2.0268 | 77.9260 | 23.0976 | 2.02679 |
| 6100 | 5.1493 | -6.7582 | 2.0369 | 78.3281 | 23.1179 | 2.03690 |
| 6200 | 5.1580 | -6.7679 | 2.0494 | 78.7950 | 23.2082 | 2.04937 |
| 6300 | 5.1682 | -6.7780 | 2.0646 | 79.3377 | 23.3783 | 2.06465 |
| 6400 | 5.1798 | -6.7888 | 2.0832 | 79.9688 | 23.6393 | 2.08325 |
| 6500 | 5.1932 | -6.8002 | 2.1057 | 80.7023 | 24.0037 | 2.10574 |
| 6600 | 5.2084 | -6.8123 | 2.1328 | 81.5534 | 24.4848 | 2.13277 |
| 6700 | 5.2257 | -6.8254 | 2.1650 | 82.5379 | 25.0965 | 2.16503 |
| 6800 | 5.2450 | -6.8394 | 2.2032 | 83.6723 | 25.8537 | 2.20327 |
| 6900 | 5.2665 | -6.8546 | 2.2482 | 84.9741 | 26.7715 | 2.24827 |
| 7000 | 5.2901 | -6.8708 | 2.3007 | 86.4592 | 27.8635 | 2.30080 |
| 7100 | 5.3158 | -6.8883 | 2.3615 | 88.1410 | 29.1413 | 2.36155 |
| 7200 | 5.3433 | -6.9070 | 2.4311 | 90.0313 | 30.6140 | 2.43116 |
| 7300 | 5.3723 | -6.9268 | 2.5098 | 92.1332 | 32.2825 | 2.50996 |
| 7400 | 5.4025 | -6.9477 | 2.5978 | 94.4422 | 34.1402 | 2.59797 |
| 7500 | 5.4334 | -6.9694 | 2.6945 | 96.9418 | 36.1683 | 2.69471 |
| 7600 | 5.4644 | -6.9917 | 2.7990 | 99.6026 | 38.3358 | 2.79919 |

LOG P=-5.0

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5417  | -4.5636 | 1.0000 | 31.5963 | 3.4806 | 1.00000 |
| 200  | 2.8434  | -4.8646 | 1.0000 | 34.0149 | 3.4862 | 1.00000 |
| 300  | 3.0198  | -5.0407 | 1.0000 | 35.4318 | 3.4891 | 1.00000 |
| 400  | 3.1455  | -5.1657 | 1.0000 | 36.4420 | 3.4952 | 1.00000 |
| 500  | 3.2440  | -5.2625 | 1.0000 | 37.2362 | 3.5074 | 1.00000 |
| 600  | 3.3256  | -5.3417 | 1.0000 | 37.8960 | 3.5270 | 1.00000 |
| 700  | 3.3955  | -5.4087 | 1.0000 | 38.4670 | 3.5516 | 1.00000 |
| 800  | 3.4572  | -5.4667 | 1.0000 | 38.9724 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -5.5178 | 1.0000 | 39.4280 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -5.5636 | 1.0000 | 39.8433 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -5.6050 | 1.0000 | 40.2254 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -5.6428 | 1.0000 | 40.5814 | 3.7122 | 1.00000 |
| 1300 | 3.6874  | -5.6775 | 1.0000 | 40.9123 | 3.7452 | 1.00000 |
| 1400 | 3.7234  | -5.7097 | 1.0000 | 41.2234 | 3.7779 | 1.00000 |
| 1500 | 3.7571  | -5.7402 | 1.0000 | 41.5180 | 3.8106 | 1.00000 |
| 1500 | 3.7583  | -5.7401 | 1.0003 | 41.5304 | 3.8214 | 1.00029 |
| 1600 | 3.7931  | -5.7684 | 1.0010 | 41.8385 | 3.8815 | 1.00104 |
| 1700 | 3.8312  | -5.7957 | 1.0032 | 42.1832 | 3.9882 | 1.00318 |
| 1800 | 3.8781  | -5.8228 | 1.0086 | 42.6244 | 4.1959 | 1.00856 |
| 1900 | 3.9410  | -5.8514 | 1.0204 | 43.2596 | 4.5947 | 1.02043 |
| 2000 | 4.0247  | -5.8833 | 1.0433 | 44.2093 | 5.2927 | 1.04329 |
| 2100 | 4.1241  | -5.9196 | 1.0803 | 45.5359 | 6.3366 | 1.08028 |
| 2200 | 4.2201  | -5.9580 | 1.1266 | 47.0664 | 7.5450 | 1.12659 |
| 2300 | 4.2902  | -5.9926 | 1.1668 | 48.3617 | 8.4822 | 1.16684 |
| 2400 | 4.3303  | -6.0198 | 1.1905 | 49.1663 | 8.9149 | 1.19047 |

|      |        |         |        |          |         |         |
|------|--------|---------|--------|----------|---------|---------|
| 2500 | 4.3520 | -6.0414 | 1.2011 | 49.6139  | 8.9965  | 1.20114 |
| 2600 | 4.3657 | -6.0601 | 1.2056 | 49.8969  | 8.9276  | 1.20564 |
| 2700 | 4.3764 | -6.0772 | 1.2077 | 50.1152  | 8.8108  | 1.20770 |
| 2800 | 4.3861 | -6.0934 | 1.2089 | 50.3103  | 8.6882  | 1.20888 |
| 2900 | 4.3957 | -6.1090 | 1.2099 | 50.5011  | 8.5760  | 1.20990 |
| 3000 | 4.4058 | -6.1242 | 1.2112 | 50.7007  | 8.4862  | 1.21121 |
| 3100 | 4.4173 | -6.1392 | 1.2132 | 50.9231  | 8.4316  | 1.21322 |
| 3200 | 4.4308 | -6.1541 | 1.2165 | 51.1860  | 8.4268  | 1.21649 |
| 3300 | 4.4477 | -6.1694 | 1.2218 | 51.5143  | 8.4950  | 1.22178 |
| 3400 | 4.4693 | -6.1853 | 1.2302 | 51.9414  | 8.6667  | 1.23018 |
| 3500 | 4.4974 | -6.2024 | 1.2431 | 52.5107  | 8.9801  | 1.24314 |
| 3600 | 4.5335 | -6.2214 | 1.2626 | 53.2781  | 9.4883  | 1.26261 |
| 3700 | 4.5789 | -6.2430 | 1.2910 | 54.3089  | 10.2491 | 1.29097 |
| 3800 | 4.6341 | -6.2678 | 1.3311 | 55.6779  | 11.3317 | 1.33105 |
| 3900 | 4.6979 | -6.2965 | 1.3855 | 57.4479  | 12.7893 | 1.38547 |
| 4000 | 4.7677 | -6.3290 | 1.4559 | 59.6472  | 14.6419 | 1.45587 |
| 4100 | 4.8390 | -6.3645 | 1.5412 | 62.2266  | 16.8333 | 1.54122 |
| 4200 | 4.9061 | -6.4008 | 1.6358 | 65.0065  | 19.1797 | 1.63575 |
| 4300 | 4.9639 | -6.4352 | 1.7295 | 67.7039  | 21.3992 | 1.72948 |
| 4400 | 5.0089 | -6.4652 | 1.8109 | 70.0130  | 23.1951 | 1.81091 |
| 4500 | 5.0411 | -6.4898 | 1.8737 | 71.7834  | 24.4294 | 1.87367 |
| 4600 | 5.0629 | -6.5093 | 1.9173 | 73.0242  | 25.1248 | 1.91726 |
| 4700 | 5.0772 | -6.5250 | 1.9456 | 73.8567  | 25.4132 | 1.94560 |
| 4800 | 5.0867 | -6.5381 | 1.9634 | 74.4138  | 25.4345 | 1.96341 |
| 4900 | 5.0933 | -6.5495 | 1.9745 | 74.7998  | 25.2973 | 1.97451 |
| 5000 | 5.0982 | -6.5598 | 1.9816 | 75.0842  | 25.0730 | 1.98158 |
| 5100 | 5.1021 | -6.5695 | 1.9863 | 75.3119  | 24.8067 | 1.98627 |
| 5200 | 5.1056 | -6.5787 | 1.9897 | 75.5091  | 24.5253 | 1.98969 |
| 5300 | 5.1089 | -6.5875 | 1.9925 | 75.6932  | 24.2453 | 1.99248 |
| 5400 | 5.1122 | -6.5962 | 1.9951 | 75.8757  | 23.9775 | 1.99511 |
| 5500 | 5.1157 | -6.6048 | 1.9979 | 76.0649  | 23.7292 | 1.99789 |
| 5600 | 5.1194 | -6.6133 | 2.0011 | 76.2676  | 23.5064 | 2.00109 |
| 5700 | 5.1235 | -6.6218 | 2.0049 | 76.4900  | 23.3145 | 2.00494 |
| 5800 | 5.1281 | -6.6304 | 2.0097 | 76.7386  | 23.1587 | 2.00967 |
| 5900 | 5.1334 | -6.6391 | 2.0155 | 77.0199  | 23.0448 | 2.01555 |
| 6000 | 5.1395 | -6.6480 | 2.0228 | 77.3413  | 22.9790 | 2.02284 |
| 6100 | 5.1465 | -6.6571 | 2.0319 | 77.7108  | 22.9689 | 2.03187 |
| 6200 | 5.1545 | -6.6665 | 2.0430 | 78.1377  | 23.0222 | 2.04300 |
| 6300 | 5.1638 | -6.6764 | 2.0566 | 78.6322  | 23.1474 | 2.05663 |
| 6400 | 5.1746 | -6.6867 | 2.0732 | 79.2055  | 23.3547 | 2.07322 |
| 6500 | 5.1868 | -6.6976 | 2.0933 | 79.8701  | 23.6550 | 2.09329 |
| 6600 | 5.2009 | -6.7042 | 2.1174 | 80.6398  | 24.0606 | 2.11741 |
| 6700 | 5.2167 | -6.7216 | 2.1462 | 81.5289  | 24.5842 | 2.14622 |
| 6800 | 5.2346 | -6.7349 | 2.1804 | 82.5528  | 25.2392 | 2.18041 |
| 6900 | 5.2545 | -6.7492 | 2.2206 | 83.7278  | 26.0400 | 2.22069 |
| 7000 | 5.2765 | -6.7646 | 2.2678 | 85.0692  | 27.0001 | 2.26781 |
| 7100 | 5.3005 | -6.7810 | 2.3224 | 86.5911  | 28.1313 | 2.32246 |
| 7200 | 5.3263 | -6.7987 | 2.3852 | 88.3068  | 29.4443 | 2.38532 |
| 7300 | 5.3539 | -6.8175 | 2.4567 | 90.2229  | 30.9442 | 2.45685 |
| 7400 | 5.3829 | -6.8374 | 2.5371 | 92.3406  | 32.6297 | 2.53729 |
| 7500 | 5.4128 | -6.8583 | 2.6263 | 94.6518  | 34.4908 | 2.62649 |
| 7600 | 5.4432 | -6.8798 | 2.7237 | 97.1379  | 36.5072 | 2.72389 |
| 7700 | 5.4736 | -6.9018 | 2.8280 | 99.7634  | 38.6422 | 2.82819 |
| 7800 | 5.5033 | -6.9239 | 2.9373 | 102.4825 | 40.8492 | 2.93760 |
| 7900 | 5.5318 | -6.9457 | 3.0493 | 105.2340 | 43.0664 | 3.04962 |
| 8000 | 5.5585 | -6.9668 | 3.1611 | 107.9517 | 45.2285 | 3.16144 |
| 8100 | 5.5830 | -6.9868 | 3.2696 | 110.5648 | 47.2664 | 3.26996 |

LOG P=-4.9

| T   | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|-----|---------|---------|--------|---------|--------|---------|
| 100 | 2.5417  | -4.4636 | 1.0000 | 31.3663 | 3.4806 | 1.00000 |
| 200 | 2.8434  | -4.7646 | 1.0000 | 33.7846 | 3.4862 | 1.00000 |
| 300 | 3.0198  | -4.9407 | 1.0000 | 35.2016 | 3.4891 | 1.00000 |
| 400 | 3.1455  | -5.0657 | 1.0000 | 36.2120 | 3.4952 | 1.00000 |

|      |        |         |        |         |         |         |
|------|--------|---------|--------|---------|---------|---------|
| 500  | 3.2440 | -5.1625 | 1.0000 | 37.0058 | 3.5074  | 1.00000 |
| 600  | 3.3256 | -5.2417 | 1.0000 | 37.6660 | 3.5270  | 1.00000 |
| 700  | 3.3955 | -5.3087 | 1.0000 | 38.2370 | 3.5516  | 1.00000 |
| 800  | 3.4572 | -5.3667 | 1.0000 | 38.7422 | 3.5817  | 1.00000 |
| 900  | 3.5121 | -5.4178 | 1.0000 | 39.1980 | 3.6129  | 1.00000 |
| 1000 | 3.5619 | -5.4636 | 1.0000 | 39.6133 | 3.6467  | 1.00000 |
| 1100 | 3.6071 | -5.5050 | 1.0000 | 39.9950 | 3.6791  | 1.00000 |
| 1200 | 3.6488 | -5.5428 | 1.0000 | 40.3511 | 3.7122  | 1.00000 |
| 1300 | 3.6874 | -5.5775 | 1.0000 | 40.6822 | 3.7452  | 1.00000 |
| 1400 | 3.7234 | -5.6097 | 1.0000 | 40.9933 | 3.7779  | 1.00000 |
| 1500 | 3.7571 | -5.6402 | 1.0000 | 41.2875 | 3.8106  | 1.00000 |
| 1500 | 3.7582 | -5.6401 | 1.0003 | 41.2988 | 3.8201  | 1.00026 |
| 1600 | 3.7926 | -5.6684 | 1.0009 | 41.6037 | 3.8772  | 1.00093 |
| 1700 | 3.8299 | -5.6955 | 1.0028 | 41.9399 | 3.9759  | 1.00284 |
| 1800 | 3.8749 | -5.7224 | 1.0076 | 42.3611 | 4.1647  | 1.00764 |
| 1900 | 3.9345 | -5.7505 | 1.0183 | 42.9561 | 4.5258  | 1.01829 |
| 2000 | 4.0138 | -5.7815 | 1.0390 | 43.8384 | 5.1615  | 1.03900 |
| 2100 | 4.1098 | -5.8168 | 1.0733 | 45.0835 | 6.1323  | 1.07325 |
| 2200 | 4.2064 | -5.8548 | 1.1181 | 46.5735 | 7.3105  | 1.11813 |
| 2300 | 4.2810 | -5.8901 | 1.1601 | 47.9148 | 8.3031  | 1.16005 |
| 2400 | 4.3257 | -5.9184 | 1.1867 | 48.7976 | 8.8198  | 1.18666 |
| 2500 | 4.3500 | -5.9407 | 1.1993 | 49.2951 | 8.9541  | 1.19934 |
| 2600 | 4.3648 | -5.9597 | 1.2048 | 49.6003 | 8.9086  | 1.20479 |
| 2700 | 4.3759 | -5.9770 | 1.2072 | 49.8274 | 8.8010  | 1.20724 |
| 2800 | 4.3857 | -5.9933 | 1.2086 | 50.0251 | 8.6813  | 1.20858 |
| 2900 | 4.3953 | -6.0089 | 1.2096 | 50.2153 | 8.5687  | 1.20963 |
| 3000 | 4.4053 | -6.0241 | 1.2109 | 50.4114 | 8.4757  | 1.21089 |
| 3100 | 4.4164 | -6.0390 | 1.2127 | 50.6266 | 8.4145  | 1.21272 |
| 3200 | 4.4293 | -6.0538 | 1.2157 | 50.8772 | 8.3980  | 1.21566 |
| 3300 | 4.4452 | -6.0689 | 1.2204 | 51.1855 | 8.4473  | 1.22040 |
| 3400 | 4.4655 | -6.0845 | 1.2279 | 51.5814 | 8.5897  | 1.22791 |
| 3500 | 4.4915 | -6.1012 | 1.2395 | 52.1040 | 8.8593  | 1.23949 |
| 3600 | 4.5250 | -6.1195 | 1.2569 | 52.8037 | 9.3040  | 1.25690 |
| 3700 | 4.5672 | -6.1400 | 1.2823 | 53.7402 | 9.9766  | 1.28230 |
| 3800 | 4.6189 | -6.1637 | 1.3183 | 54.9835 | 10.9422 | 1.31834 |
| 3900 | 4.6794 | -6.1909 | 1.3676 | 56.5967 | 12.2550 | 1.36760 |
| 4000 | 4.7466 | -6.2219 | 1.4321 | 58.6203 | 13.9475 | 1.43206 |
| 4100 | 4.8167 | -6.2561 | 1.5118 | 61.0361 | 15.9941 | 1.51176 |
| 4200 | 4.8847 | -6.2920 | 1.6027 | 63.7136 | 18.2590 | 1.60268 |
| 4300 | 4.9453 | -6.3269 | 1.6966 | 66.4138 | 20.5032 | 1.69655 |
| 4400 | 4.9943 | -6.3583 | 1.7821 | 68.8338 | 22.4293 | 1.78213 |
| 4500 | 5.0307 | -6.3846 | 1.8514 | 70.7736 | 23.8483 | 1.85136 |
| 4600 | 5.0558 | -6.4057 | 1.9014 | 72.1811 | 24.7211 | 1.90144 |
| 4700 | 5.0726 | -6.4226 | 1.9350 | 73.1447 | 25.1478 | 1.93500 |
| 4800 | 5.0838 | -6.4366 | 1.9565 | 73.7926 | 25.2647 | 1.95651 |
| 4900 | 5.0914 | -6.4485 | 1.9700 | 74.2368 | 25.1886 | 1.97004 |
| 5000 | 5.0969 | -6.4592 | 1.9786 | 74.5567 | 25.0015 | 1.97863 |
| 5100 | 5.1013 | -6.4690 | 1.9842 | 74.8049 | 24.7569 | 1.98424 |
| 5200 | 5.1049 | -6.4783 | 1.9882 | 75.0129 | 24.4870 | 1.98818 |
| 5300 | 5.1083 | -6.4873 | 1.9912 | 75.2013 | 24.2120 | 1.99123 |
| 5400 | 5.1116 | -6.4960 | 1.9939 | 75.3634 | 23.9445 | 1.99394 |
| 5500 | 5.1150 | -6.5045 | 1.9967 | 75.5686 | 23.6928 | 1.99666 |
| 5600 | 5.1186 | -6.5130 | 1.9997 | 75.7637 | 23.4633 | 1.99966 |
| 5700 | 5.1225 | -6.5215 | 2.0032 | 75.9753 | 23.2613 | 2.00319 |
| 5800 | 5.1269 | -6.5299 | 2.0075 | 76.2093 | 23.0920 | 2.00749 |
| 5900 | 5.1318 | -6.5385 | 2.0128 | 76.4720 | 22.9608 | 2.01277 |
| 6000 | 5.1375 | -6.5472 | 2.0193 | 76.7699 | 22.8730 | 2.01930 |
| 6100 | 5.1440 | -6.5561 | 2.0274 | 77.1105 | 22.8359 | 2.02736 |
| 6200 | 5.1514 | -6.5653 | 2.0373 | 77.5020 | 22.8561 | 2.03731 |
| 6300 | 5.1600 | -6.5748 | 2.0495 | 77.9536 | 22.9414 | 2.04948 |
| 6400 | 5.1698 | -6.5848 | 2.0643 | 78.4753 | 23.1007 | 2.06428 |
| 6500 | 5.1811 | -6.5953 | 2.0822 | 79.0785 | 23.3440 | 2.08218 |
| 6600 | 5.1940 | -6.6064 | 2.1037 | 79.7755 | 23.6820 | 2.10372 |
| 6700 | 5.2086 | -6.6182 | 2.1294 | 80.5791 | 24.1264 | 2.12943 |
| 6800 | 5.2250 | -6.6308 | 2.1599 | 81.5037 | 24.6897 | 2.15998 |

|      |        |         |        |          |         |         |
|------|--------|---------|--------|----------|---------|---------|
| 6900 | 5.2434 | -6.6443 | 2.1960 | 82.5642  | 25.3848 | 2.19600 |
| 7000 | 5.2638 | -6.6589 | 2.2382 | 83.7753  | 26.2250 | 2.23821 |
| 7100 | 5.2862 | -6.6744 | 2.2872 | 85.1510  | 27.2219 | 2.28728 |
| 7200 | 5.3105 | -6.6911 | 2.3438 | 86.7050  | 28.3872 | 2.34390 |
| 7300 | 5.3365 | -6.7089 | 2.4085 | 88.4466  | 29.7283 | 2.40860 |
| 7400 | 5.3641 | -6.7278 | 2.4816 | 90.3811  | 31.2480 | 2.48178 |
| 7500 | 5.3928 | -6.7477 | 2.5634 | 92.5065  | 32.9428 | 2.56354 |
| 7600 | 5.4224 | -6.7685 | 2.6535 | 94.8131  | 34.8007 | 2.65366 |
| 7700 | 5.4523 | -6.7899 | 2.7511 | 97.2763  | 36.7963 | 2.75132 |
| 7800 | 5.4820 | -6.8116 | 2.8550 | 99.8625  | 38.8946 | 2.85524 |
| 7900 | 5.5109 | -6.8332 | 2.9631 | 102.5223 | 41.0457 | 2.96345 |
| 8000 | 5.5385 | -6.8545 | 3.0732 | 105.1984 | 43.1927 | 3.07357 |
| 8100 | 5.5643 | -6.8751 | 3.1824 | 107.8256 | 45.2710 | 3.18278 |
| 8200 | 5.5879 | -6.8946 | 3.2879 | 110.3423 | 47.2203 | 3.28834 |
| 8300 | 5.6092 | -6.9128 | 3.3872 | 112.6924 | 48.9871 | 3.38765 |
| 8400 | 5.6279 | -6.9295 | 3.4782 | 114.8351 | 50.5330 | 3.47872 |
| 8500 | 5.6441 | -6.9447 | 3.5597 | 116.7443 | 51.8356 | 3.56016 |
| 8600 | 5.6579 | -6.9584 | 3.6309 | 118.4128 | 52.8910 | 3.63143 |
| 8700 | 5.6696 | -6.9706 | 3.6921 | 119.8480 | 53.7094 | 3.69263 |
| 8800 | 5.6794 | -6.9817 | 3.7438 | 121.0673 | 54.3112 | 3.74435 |
| 8900 | 5.6876 | -6.9915 | 3.7870 | 122.0940 | 54.7218 | 3.78751 |

LOG P=-4.8

| T    | LOG H/R | LOG RHD | Z      | S/R     | H/RT    | Z*      |
|------|---------|---------|--------|---------|---------|---------|
| 100  | 2.5417  | -4.3636 | 1.0000 | 31.1361 | 3.4806  | 1.00000 |
| 200  | 2.8434  | -4.6646 | 1.0000 | 33.5546 | 3.4862  | 1.00000 |
| 300  | 3.0198  | -4.8407 | 1.0000 | 34.9716 | 3.4891  | 1.00000 |
| 400  | 3.1455  | -4.9657 | 1.0000 | 35.9819 | 3.4952  | 1.00000 |
| 500  | 3.2440  | -5.0626 | 1.0000 | 36.7759 | 3.5074  | 1.00000 |
| 600  | 3.3256  | -5.1417 | 1.0000 | 37.4357 | 3.5270  | 1.00000 |
| 700  | 3.3955  | -5.2087 | 1.0000 | 38.0070 | 3.5516  | 1.00000 |
| 800  | 3.4572  | -5.2667 | 1.0000 | 38.5117 | 3.5817  | 1.00000 |
| 900  | 3.5121  | -5.3178 | 1.0000 | 38.9676 | 3.6129  | 1.00000 |
| 1000 | 3.5619  | -5.3636 | 1.0000 | 39.3831 | 3.6467  | 1.00000 |
| 1100 | 3.6071  | -5.4050 | 1.0000 | 39.7645 | 3.6791  | 1.00000 |
| 1200 | 3.6488  | -5.4428 | 1.0000 | 40.1206 | 3.7122  | 1.00000 |
| 1300 | 3.6874  | -5.4775 | 1.0000 | 40.4517 | 3.7452  | 1.00000 |
| 1400 | 3.7234  | -5.5097 | 1.0000 | 40.7629 | 3.7779  | 1.00000 |
| 1500 | 3.7571  | -5.5363 | 1.0000 | 41.0594 | 3.8106  | 1.00000 |
| 1500 | 3.7580  | -5.5400 | 1.0002 | 41.0673 | 3.8189  | 1.00023 |
| 1600 | 3.7922  | -5.5683 | 1.0008 | 41.3694 | 3.8734  | 1.00033 |
| 1700 | 3.8287  | -5.5954 | 1.0025 | 41.6980 | 3.9648  | 1.00253 |
| 1800 | 3.8719  | -5.6221 | 1.0068 | 42.1014 | 4.1368  | 1.00682 |
| 1900 | 3.9285  | -5.6497 | 1.0164 | 42.6599 | 4.4639  | 1.01637 |
| 2000 | 4.0036  | -5.6799 | 1.0351 | 43.4801 | 5.0420  | 1.03510 |
| 2100 | 4.0961  | -5.7141 | 1.0667 | 44.6456 | 5.9407  | 1.06667 |
| 2200 | 4.1923  | -5.7515 | 1.1097 | 46.0839 | 7.0774  | 1.10972 |
| 2300 | 4.2708  | -5.7873 | 1.1527 | 47.4554 | 8.1101  | 1.15273 |
| 2400 | 4.3202  | -5.8168 | 1.1823 | 48.4148 | 8.7097  | 1.18226 |
| 2500 | 4.3475  | -5.8400 | 1.1972 | 48.9681 | 8.9030  | 1.19718 |
| 2600 | 4.3637  | -5.8594 | 1.2038 | 49.3000 | 8.8856  | 1.20375 |
| 2700 | 4.3753  | -5.8768 | 1.2067 | 49.5379 | 8.7895  | 1.20670 |
| 2800 | 4.3854  | -5.8932 | 1.2082 | 49.7394 | 8.6738  | 1.20824 |
| 2900 | 4.3950  | -5.9088 | 1.2094 | 49.9295 | 8.5616  | 1.20936 |
| 3000 | 4.4048  | -5.9240 | 1.2106 | 50.1228 | 8.4659  | 1.21056 |
| 3100 | 4.4156  | -5.9388 | 1.2123 | 50.3318 | 8.3988  | 1.21225 |
| 3200 | 4.4280  | -5.9536 | 1.2149 | 50.5715 | 8.3721  | 1.21491 |
| 3300 | 4.4430  | -5.9684 | 1.2192 | 50.8619 | 8.4047  | 1.21916 |
| 3400 | 4.4620  | -5.9838 | 1.2259 | 51.2301 | 8.5209  | 1.22588 |
| 3500 | 4.4861  | -6.0000 | 1.2362 | 51.7110 | 8.7513  | 1.23622 |
| 3600 | 4.5172  | -6.0177 | 1.2518 | 52.3501 | 9.1391  | 1.25179 |
| 3700 | 4.5564  | -6.0374 | 1.2745 | 53.2016 | 9.7323  | 1.27453 |
| 3800 | 4.6047  | -6.0599 | 1.3069 | 54.3305 | 10.5915 | 1.30689 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 3900  | 4.6619 | -6.0857 | 1.3514 | 55.7989  | 11.7702 | 1.35138 |
| 4000  | 4.7262 | -6.1152 | 1.4102 | 57.6544  | 13.3087 | 1.41016 |
| 4100  | 4.7948 | -6.1481 | 1.4840 | 59.9013  | 15.2043 | 1.48402 |
| 4200  | 4.8629 | -6.1831 | 1.5705 | 62.4521  | 17.3632 | 1.57047 |
| 4300  | 4.9256 | -6.2182 | 1.6631 | 65.1161  | 19.5926 | 1.66306 |
| 4400  | 4.9781 | -6.2507 | 1.7514 | 67.6088  | 21.6111 | 1.75137 |
| 4500  | 5.0186 | -6.2787 | 1.8263 | 69.6985  | 23.1967 | 1.82633 |
| 4600  | 5.0475 | -6.3015 | 1.8830 | 71.2752  | 24.2512 | 1.88300 |
| 4700  | 5.0671 | -6.3198 | 1.9223 | 72.3837  | 24.8311 | 1.92233 |
| 4800  | 5.0802 | -6.3347 | 1.9481 | 73.1370  | 25.0588 | 1.94812 |
| 4900  | 5.0891 | -6.3473 | 1.9646 | 73.6511  | 25.0559 | 1.96456 |
| 5000  | 5.0954 | -6.3584 | 1.9750 | 74.0148  | 24.9148 | 1.97502 |
| 5100  | 5.1002 | -6.3685 | 1.9818 | 74.2891  | 24.6976 | 1.98178 |
| 5200  | 5.1042 | -6.3779 | 1.9864 | 74.5116  | 24.4434 | 1.98641 |
| 5300  | 5.1077 | -6.3870 | 1.9898 | 74.7071  | 24.1762 | 1.98984 |
| 5400  | 5.1110 | -6.3957 | 1.9927 | 74.8910  | 23.9110 | 1.99272 |
| 5500  | 5.1143 | -6.4043 | 1.9954 | 75.0738  | 23.6576 | 1.99543 |
| 5600  | 5.1178 | -6.4127 | 1.9983 | 75.2631  | 23.4229 | 1.99830 |
| 5700  | 5.1216 | -6.4211 | 2.0016 | 75.4656  | 23.2126 | 2.00158 |
| 5800  | 5.1258 | -6.4295 | 2.0055 | 75.6870  | 23.0316 | 2.00549 |
| 5900  | 5.1304 | -6.4380 | 2.0103 | 75.9333  | 22.8851 | 2.01026 |
| 6000  | 5.1357 | -6.4465 | 2.0161 | 76.2105  | 22.7782 | 2.01613 |
| 6100  | 5.1417 | -6.4553 | 2.0234 | 76.5253  | 22.7171 | 2.02335 |
| 6200  | 5.1486 | -6.4642 | 2.0322 | 76.8852  | 22.7079 | 2.03223 |
| 6300  | 5.1565 | -6.4735 | 2.0431 | 77.2986  | 22.7575 | 2.04309 |
| 6400  | 5.1655 | -6.4831 | 2.0563 | 77.7743  | 22.8741 | 2.05629 |
| 6500  | 5.1759 | -6.4932 | 2.0723 | 78.3226  | 23.0664 | 2.07227 |
| 6600  | 5.1877 | -6.5039 | 2.0915 | 78.9545  | 23.3441 | 2.09148 |
| 6700  | 5.2012 | -6.5151 | 2.1144 | 79.6818  | 23.7178 | 2.11444 |
| 6800  | 5.2163 | -6.5271 | 2.1417 | 80.5174  | 24.1986 | 2.14172 |
| 6900  | 5.2333 | -6.5399 | 2.1739 | 81.4750  | 24.7987 | 2.17392 |
| 7000  | 5.2522 | -6.5537 | 2.2116 | 82.5685  | 25.5303 | 2.21169 |
| 7100  | 5.2729 | -6.5684 | 2.2556 | 83.8111  | 26.4047 | 2.25568 |
| 7200  | 5.2956 | -6.5841 | 2.3065 | 85.2167  | 27.4340 | 2.30656 |
| 7300  | 5.3201 | -6.6010 | 2.3648 | 86.7958  | 28.6267 | 2.36490 |
| 7400  | 5.3462 | -6.6189 | 2.4311 | 88.5566  | 29.9890 | 2.43120 |
| 7500  | 5.3737 | -6.6378 | 2.5056 | 90.5015  | 31.5212 | 2.50574 |
| 7600  | 5.4022 | -6.6577 | 2.5884 | 92.6279  | 33.2189 | 2.58855 |
| 7700  | 5.4314 | -6.6783 | 2.6790 | 94.9199  | 35.0646 | 2.67919 |
| 7800  | 5.4607 | -6.6995 | 2.7766 | 97.3551  | 37.0344 | 2.77685 |
| 7900  | 5.4897 | -6.7208 | 2.8798 | 99.8950  | 39.0894 | 2.88006 |
| 8000  | 5.5178 | -6.7421 | 2.9866 | 102.4933 | 41.1829 | 2.98692 |
| 8100  | 5.5445 | -6.7629 | 3.0946 | 105.0917 | 43.2571 | 3.09496 |
| 8200  | 5.5695 | -6.7830 | 3.2012 | 107.6317 | 45.2543 | 3.20162 |
| 8300  | 5.5923 | -6.8020 | 3.3038 | 110.0546 | 47.1177 | 3.30424 |
| 8400  | 5.6127 | -6.8196 | 3.4000 | 112.3117 | 48.8003 | 3.40051 |
| 8500  | 5.6307 | -6.8359 | 3.4881 | 114.3656 | 50.2680 | 3.48860 |
| 8600  | 5.6463 | -6.8506 | 3.5668 | 116.1961 | 51.5030 | 3.56736 |
| 8700  | 5.6597 | -6.8640 | 3.6358 | 117.7981 | 52.5033 | 3.63636 |
| 8800  | 5.6710 | -6.8760 | 3.6951 | 119.1793 | 53.2794 | 3.69573 |
| 8900  | 5.6806 | -6.8868 | 3.7454 | 120.3556 | 53.8500 | 3.74601 |
| 9000  | 5.6886 | -6.8965 | 3.7875 | 121.3496 | 54.2399 | 3.78810 |
| 9100  | 5.6952 | -6.9052 | 3.8224 | 122.1860 | 54.4755 | 3.82301 |
| 9200  | 5.7008 | -6.9132 | 3.8511 | 122.8879 | 54.5815 | 3.85173 |
| 9300  | 5.7055 | -6.9206 | 3.8747 | 123.4782 | 54.5818 | 3.87527 |
| 9400  | 5.7095 | -6.9274 | 3.8939 | 123.9768 | 54.4970 | 3.89448 |
| 9500  | 5.7129 | -6.9337 | 3.9096 | 124.3999 | 54.3444 | 3.91014 |
| 9600  | 5.7158 | -6.9397 | 3.9223 | 124.7622 | 54.1368 | 3.92289 |
| 9700  | 5.7183 | -6.9453 | 3.9327 | 125.0751 | 53.8920 | 3.93327 |
| 9800  | 5.7205 | -6.9507 | 3.9412 | 125.3480 | 53.6138 | 3.94174 |
| 9900  | 5.7225 | -6.9559 | 3.9481 | 125.5891 | 53.3122 | 3.94865 |
| 10000 | 5.7242 | -6.9609 | 3.9538 | 125.8040 | 52.9928 | 3.95430 |
| 10100 | 5.7258 | -6.9657 | 3.9584 | 125.9980 | 52.6613 | 3.95892 |
| 10200 | 5.7273 | -6.9704 | 3.9622 | 126.1751 | 52.3211 | 3.96272 |
| 10300 | 5.7286 | -6.9750 | 3.9653 | 126.3378 | 51.9753 | 3.96585 |
| 10400 | 5.7299 | -6.9795 | 3.9679 | 126.4895 | 51.6264 | 3.96843 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 10500 | 5.7311 | -6.9838 | 3.9701 | 126.6318 | 51.2763 | 3.97057 |
| 10600 | 5.7323 | -6.9882 | 3.9719 | 126.7663 | 50.9265 | 3.97235 |
| 10700 | 5.7334 | -6.9924 | 3.9733 | 126.8945 | 50.5780 | 3.97382 |
| 10800 | 5.7344 | -6.9966 | 3.9746 | 127.0174 | 50.2319 | 3.97505 |

LOG P=-4.7

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT    | Z*      |
|------|---------|---------|--------|---------|---------|---------|
| 100  | 2.5417  | -4.2636 | 1.0000 | 30.9056 | 3.4806  | 1.00000 |
| 200  | 2.8434  | -4.5646 | 1.0000 | 33.3245 | 3.4862  | 1.00000 |
| 300  | 3.0198  | -4.7407 | 1.0000 | 34.7413 | 3.4891  | 1.00000 |
| 400  | 3.1455  | -4.8657 | 1.0000 | 35.7513 | 3.4952  | 1.00000 |
| 500  | 3.2440  | -4.9626 | 1.0000 | 36.5457 | 3.5074  | 1.00000 |
| 600  | 3.3256  | -5.0417 | 1.0000 | 37.2052 | 3.5270  | 1.00000 |
| 700  | 3.3955  | -5.1087 | 1.0000 | 37.7765 | 3.5516  | 1.00000 |
| 800  | 3.4572  | -5.1667 | 1.0000 | 38.2813 | 3.5817  | 1.00000 |
| 900  | 3.5121  | -5.2178 | 1.0000 | 38.7371 | 3.6129  | 1.00000 |
| 1000 | 3.5619  | -5.2636 | 1.0000 | 39.1526 | 3.6467  | 1.00000 |
| 1100 | 3.6071  | -5.3050 | 1.0000 | 39.5345 | 3.6791  | 1.00000 |
| 1200 | 3.6488  | -5.3428 | 1.0000 | 39.8903 | 3.7122  | 1.00000 |
| 1300 | 3.6874  | -5.3775 | 1.0000 | 40.2213 | 3.7452  | 1.00000 |
| 1400 | 3.7234  | -5.4097 | 1.0000 | 40.5324 | 3.7779  | 1.00000 |
| 1500 | 3.7571  | -5.4308 | 1.0000 | 40.8291 | 3.8106  | 1.00000 |
| 1500 | 3.7579  | -5.4400 | 1.0002 | 40.8360 | 3.8179  | 1.00021 |
| 1600 | 3.7918  | -5.4683 | 1.0007 | 41.1356 | 3.8699  | 1.00074 |
| 1700 | 3.8276  | -5.4953 | 1.0023 | 41.4573 | 3.9549  | 1.00225 |
| 1800 | 3.8693  | -5.5218 | 1.0061 | 41.8447 | 4.1119  | 1.00609 |
| 1900 | 3.9230  | -5.5489 | 1.0147 | 42.3704 | 4.4083  | 1.01465 |
| 2000 | 3.9942  | -5.5784 | 1.0316 | 43.1336 | 4.9334  | 1.03155 |
| 2100 | 4.0828  | -5.6116 | 1.0605 | 44.2218 | 5.7618  | 1.06053 |
| 2200 | 4.1780  | -5.6483 | 1.1015 | 45.6003 | 6.8483  | 1.10146 |
| 2300 | 4.2596  | -5.6844 | 1.1450 | 46.9855 | 7.9046  | 1.14495 |
| 2400 | 4.3139  | -5.7149 | 1.1772 | 48.0169 | 8.5835  | 1.17723 |
| 2500 | 4.3445  | -5.7390 | 1.1946 | 48.6316 | 8.8419  | 1.19460 |
| 2600 | 4.3623  | -5.7589 | 1.2025 | 48.9952 | 8.8577  | 1.20250 |
| 2700 | 4.3747  | -5.7766 | 1.2061 | 49.2464 | 8.7757  | 1.20605 |
| 2800 | 4.3850  | -5.7930 | 1.2079 | 49.4529 | 8.6654  | 1.20785 |
| 2900 | 4.3946  | -5.8087 | 1.2091 | 49.6438 | 8.5542  | 1.20906 |
| 3000 | 4.4043  | -5.8239 | 1.2102 | 49.8348 | 8.4566  | 1.21024 |
| 3100 | 4.4148  | -5.8387 | 1.2118 | 50.0384 | 8.3845  | 1.21181 |
| 3200 | 4.4268  | -5.8533 | 1.2142 | 50.2685 | 8.3489  | 1.21422 |
| 3300 | 4.4411  | -5.8680 | 1.2180 | 50.5431 | 8.3665  | 1.21804 |
| 3400 | 4.4588  | -5.8831 | 1.2241 | 50.8866 | 8.4594  | 1.22405 |
| 3500 | 4.4813  | -5.8990 | 1.2333 | 51.3302 | 8.6548  | 1.23329 |
| 3600 | 4.5101  | -5.9161 | 1.2472 | 51.9149 | 8.9917  | 1.24721 |
| 3700 | 4.5465  | -5.9350 | 1.2676 | 52.6901 | 9.5134  | 1.26756 |
| 3800 | 4.5916  | -5.9564 | 1.2966 | 53.7154 | 10.2760 | 1.29659 |
| 3900 | 4.6453  | -5.9810 | 1.3367 | 55.0504 | 11.3312 | 1.33669 |
| 4000 | 4.7067  | -6.0090 | 1.3901 | 56.7468 | 12.7235 | 1.39010 |
| 4100 | 4.7732  | -6.0404 | 1.4581 | 58.8255 | 14.4672 | 1.45814 |
| 4200 | 4.8408  | -6.0745 | 1.5396 | 61.2340 | 16.5028 | 1.53955 |
| 4300 | 4.9049  | -6.1094 | 1.6296 | 63.8269 | 18.6820 | 1.62959 |
| 4400 | 4.9606  | -6.1426 | 1.7191 | 66.3519 | 20.7535 | 1.71914 |
| 4500 | 5.0050  | -6.1721 | 1.7989 | 68.5658 | 22.4813 | 1.79886 |
| 4600 | 5.0378  | -6.1966 | 1.8619 | 70.3069 | 23.7138 | 1.86194 |
| 4700 | 5.0605  | -6.2164 | 1.9074 | 71.5689 | 24.4572 | 1.90738 |
| 4800 | 5.0759  | -6.2325 | 1.9380 | 72.4414 | 24.8104 | 1.93800 |
| 4900 | 5.0863  | -6.2458 | 1.9579 | 73.0379 | 24.8944 | 1.95787 |
| 5000 | 5.0936  | -6.2574 | 1.9706 | 73.4552 | 24.8095 | 1.97061 |
| 5100 | 5.0990  | -6.2678 | 1.9788 | 73.7622 | 24.6268 | 1.97881 |
| 5200 | 5.1033  | -6.2775 | 1.9843 | 74.0039 | 24.3927 | 1.98431 |
| 5300 | 5.1070  | -6.2866 | 1.9883 | 74.2096 | 24.1366 | 1.98826 |
| 5400 | 5.1104  | -6.2954 | 1.9914 | 74.3975 | 23.8761 | 1.99139 |
| 5500 | 5.1137  | -6.3040 | 1.9942 | 74.5797 | 23.6229 | 1.99418 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 5600  | 5.1171 | -6.3124 | 1.9970 | 74.7649  | 23.3846 | 1.99698 |
| 5700  | 5.1208 | -6.3208 | 2.0001 | 74.9599  | 23.1676 | 2.00006 |
| 5800  | 5.1247 | -6.3291 | 2.0037 | 75.1705  | 22.9767 | 2.00366 |
| 5900  | 5.1291 | -6.3375 | 2.0080 | 75.4025  | 22.8170 | 2.00799 |
| 6000  | 5.1340 | -6.3459 | 2.0133 | 75.6615  | 22.6931 | 2.01327 |
| 6100  | 5.1396 | -6.3545 | 2.0197 | 75.9535  | 22.6107 | 2.01975 |
| 6200  | 5.1460 | -6.3633 | 2.0277 | 76.2855  | 22.5754 | 2.02768 |
| 6300  | 5.1533 | -6.3723 | 2.0374 | 76.6648  | 22.5435 | 2.03739 |
| 6400  | 5.1617 | -6.3816 | 2.0492 | 77.0975  | 22.6719 | 2.04917 |
| 6500  | 5.1712 | -6.3914 | 2.0634 | 77.5989  | 22.8188 | 2.06343 |
| 6600  | 5.1821 | -6.4016 | 2.0806 | 78.1728  | 23.0427 | 2.08057 |
| 6700  | 5.1944 | -6.4124 | 2.1010 | 78.8319  | 23.3530 | 2.10106 |
| 6800  | 5.2084 | -6.4238 | 2.1254 | 79.5877  | 23.7601 | 2.12541 |
| 6900  | 5.2240 | -6.4360 | 2.1541 | 80.4528  | 24.2747 | 2.15417 |
| 7000  | 5.2415 | -6.4490 | 2.1879 | 81.4402  | 24.9085 | 2.18795 |
| 7100  | 5.2607 | -6.4629 | 2.2273 | 82.5623  | 25.6721 | 2.22734 |
| 7200  | 5.2818 | -6.4778 | 2.2729 | 83.8326  | 26.5773 | 2.27300 |
| 7300  | 5.3048 | -6.4937 | 2.3254 | 85.2624  | 27.6334 | 2.32549 |
| 7400  | 5.3294 | -6.5106 | 2.3852 | 86.8609  | 28.8478 | 2.38536 |
| 7500  | 5.3554 | -6.5286 | 2.4529 | 88.6339  | 30.2247 | 2.45300 |
| 7600  | 5.3827 | -6.5475 | 2.5285 | 90.5833  | 31.7635 | 2.52864 |
| 7700  | 5.4110 | -6.5673 | 2.6119 | 92.7005  | 33.4547 | 2.61211 |
| 7800  | 5.4397 | -6.5878 | 2.7027 | 94.9721  | 35.2828 | 2.70298 |
| 7900  | 5.4684 | -6.6086 | 2.8000 | 97.3704  | 37.2195 | 2.80026 |
| 8000  | 5.4967 | -6.6297 | 2.9022 | 99.8609  | 39.2287 | 2.90257 |
| 8100  | 5.5240 | -6.6505 | 3.0074 | 102.3933 | 41.2610 | 3.00783 |
| 8200  | 5.5499 | -6.6709 | 3.1134 | 104.9155 | 43.2644 | 3.11378 |
| 8300  | 5.5741 | -6.6904 | 3.2174 | 107.3700 | 45.1828 | 3.21788 |
| 8400  | 5.5961 | -6.7089 | 3.3172 | 109.7044 | 46.9654 | 3.31770 |
| 8500  | 5.6158 | -6.7261 | 3.4105 | 111.8734 | 48.5695 | 3.41109 |
| 8600  | 5.6332 | -6.7419 | 3.4958 | 113.8458 | 49.9658 | 3.49642 |
| 8700  | 5.6483 | -6.7563 | 3.5721 | 115.6046 | 51.1401 | 3.57275 |
| 8800  | 5.6613 | -6.7693 | 3.6391 | 117.1465 | 52.0919 | 3.63971 |
| 8900  | 5.6723 | -6.7811 | 3.6969 | 118.4784 | 52.8310 | 3.69742 |
| 9000  | 5.6816 | -6.7917 | 3.7458 | 119.6171 | 53.3761 | 3.74647 |
| 9100  | 5.6894 | -6.8012 | 3.7871 | 120.5834 | 53.7501 | 3.78770 |
| 9200  | 5.6960 | -6.8099 | 3.8214 | 121.3988 | 53.9768 | 3.82200 |
| 9300  | 5.7015 | -6.8178 | 3.8497 | 122.0865 | 54.0802 | 3.85037 |
| 9400  | 5.7062 | -6.8250 | 3.8731 | 122.6674 | 54.0825 | 3.87370 |
| 9500  | 5.7101 | -6.8313 | 3.8922 | 123.1592 | 54.0024 | 3.89284 |
| 9600  | 5.7135 | -6.8381 | 3.9079 | 123.5783 | 53.8568 | 3.90849 |
| 9700  | 5.7164 | -6.8440 | 3.9207 | 123.9382 | 53.6595 | 3.92129 |
| 9800  | 5.7190 | -6.8496 | 3.9312 | 124.2496 | 53.4220 | 3.93176 |
| 9900  | 5.7212 | -6.8550 | 3.9397 | 124.5222 | 53.1535 | 3.94034 |
| 10000 | 5.7231 | -6.8601 | 3.9468 | 124.7631 | 52.8614 | 3.94735 |
| 10100 | 5.7249 | -6.8651 | 3.9525 | 124.9782 | 52.5523 | 3.95311 |
| 10200 | 5.7265 | -6.8699 | 3.9573 | 125.1726 | 52.2304 | 3.95785 |
| 10300 | 5.7280 | -6.8745 | 3.9612 | 125.3497 | 51.8996 | 3.96175 |
| 10400 | 5.7294 | -6.8791 | 3.9644 | 125.5130 | 51.5632 | 3.96497 |
| 10500 | 5.7307 | -6.8835 | 3.9671 | 125.6649 | 51.2233 | 3.96765 |
| 10600 | 5.7319 | -6.8879 | 3.9693 | 125.8074 | 50.8818 | 3.96937 |
| 10700 | 5.7330 | -6.8922 | 3.9712 | 125.9421 | 50.5404 | 3.97172 |
| 10800 | 5.7341 | -6.8964 | 3.9727 | 126.0705 | 50.2001 | 3.97326 |
| 10900 | 5.7352 | -6.9005 | 3.9740 | 126.1932 | 49.8617 | 3.97456 |
| 11000 | 5.7362 | -6.9046 | 3.9751 | 126.3114 | 49.5262 | 3.97564 |
| 11100 | 5.7372 | -6.9086 | 3.9761 | 126.4257 | 49.1936 | 3.97657 |
| 11200 | 5.7382 | -6.9126 | 3.9769 | 126.5369 | 48.8651 | 3.97734 |
| 11300 | 5.7392 | -6.9165 | 3.9775 | 126.6451 | 48.5405 | 3.97800 |
| 11400 | 5.7401 | -6.9204 | 3.9781 | 126.7510 | 48.2202 | 3.97857 |
| 11500 | 5.7411 | -6.9243 | 3.9786 | 126.8550 | 47.9043 | 3.97907 |
| 11600 | 5.7420 | -6.9281 | 3.9791 | 126.9570 | 47.5930 | 3.97951 |
| 11700 | 5.7429 | -6.9319 | 3.9794 | 127.0578 | 47.2865 | 3.97989 |
| 11800 | 5.7438 | -6.9356 | 3.9798 | 127.1572 | 46.9849 | 3.98024 |
| 11900 | 5.7448 | -6.9393 | 3.9801 | 127.2557 | 46.6882 | 3.98056 |
| 12000 | 5.7457 | -6.9430 | 3.9804 | 127.3537 | 46.3965 | 3.98087 |
| 12100 | 5.7466 | -6.9466 | 3.9808 | 127.4510 | 46.1100 | 3.98117 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 12200 | 5.7475 | -6.9502 | 3.9811 | 127.5483 | 45.8289 | 3.98148 |
| 12300 | 5.7484 | -6.9538 | 3.9814 | 127.6456 | 45.5532 | 3.98181 |
| 12400 | 5.7494 | -6.9574 | 3.9818 | 127.7432 | 45.2832 | 3.98217 |
| 12500 | 5.7503 | -6.9609 | 3.9822 | 127.8419 | 45.0191 | 3.98258 |
| 12600 | 5.7513 | -6.9644 | 3.9827 | 127.9417 | 44.7613 | 3.98304 |
| 12700 | 5.7523 | -6.9679 | 3.9832 | 128.0433 | 44.5101 | 3.98359 |
| 12800 | 5.7533 | -6.9714 | 3.9839 | 128.1472 | 44.2658 | 3.98423 |
| 12900 | 5.7543 | -6.9748 | 3.9846 | 128.2543 | 44.0293 | 3.98499 |
| 13000 | 5.7554 | -6.9783 | 3.9856 | 128.3650 | 43.8008 | 3.98592 |
| 13100 | 5.7566 | -6.9817 | 3.9867 | 128.4803 | 43.5815 | 3.98703 |
| 13200 | 5.7578 | -6.9852 | 3.9880 | 128.6015 | 43.3721 | 3.98838 |
| 13300 | 5.7591 | -6.9886 | 3.9897 | 128.7298 | 43.1738 | 3.99000 |
| 13400 | 5.7605 | -6.9921 | 3.9916 | 128.8665 | 42.9878 | 3.99195 |
| 13500 | 5.7619 | -6.9956 | 3.9939 | 129.0132 | 42.8156 | 3.99429 |
| 13600 | 5.7636 | -6.9991 | 3.9968 | 129.1720 | 42.6589 | 3.99710 |

LCG P=-4.6

| T    | LDG H/R | LCG RHC | Z      | S/R     | H/RT    | Z*      |
|------|---------|---------|--------|---------|---------|---------|
| 100  | 2.5417  | -4.1636 | 1.0000 | 30.6753 | 3.4806  | 1.00000 |
| 200  | 2.8434  | -4.4646 | 1.0000 | 33.0939 | 3.4862  | 1.00000 |
| 300  | 3.0198  | -4.6407 | 1.0000 | 34.5108 | 3.4891  | 1.00000 |
| 400  | 3.1455  | -4.7657 | 1.0000 | 35.5210 | 3.4952  | 1.00000 |
| 500  | 3.2440  | -4.8626 | 1.0000 | 36.3152 | 3.5074  | 1.00000 |
| 600  | 3.3256  | -4.9417 | 1.0000 | 36.9750 | 3.5270  | 1.00000 |
| 700  | 3.3955  | -5.0087 | 1.0000 | 37.5460 | 3.5516  | 1.00000 |
| 800  | 3.4572  | -5.0667 | 1.0000 | 38.0514 | 3.5817  | 1.00000 |
| 900  | 3.5121  | -5.1178 | 1.0000 | 38.5070 | 3.6129  | 1.00000 |
| 1000 | 3.5619  | -5.1636 | 1.0000 | 38.9223 | 3.6467  | 1.00000 |
| 1100 | 3.6071  | -5.2050 | 1.0000 | 39.3045 | 3.6791  | 1.00000 |
| 1200 | 3.6488  | -5.2428 | 1.0000 | 39.6604 | 3.7122  | 1.00000 |
| 1300 | 3.6874  | -5.2775 | 1.0000 | 39.9914 | 3.7452  | 1.00000 |
| 1400 | 3.7234  | -5.3097 | 1.0000 | 40.3023 | 3.7779  | 1.00000 |
| 1500 | 3.7571  | -5.3321 | 1.0000 | 40.5778 | 3.8106  | 1.00000 |
| 1500 | 3.7578  | -5.3400 | 1.0002 | 40.6047 | 3.8170  | 1.00019 |
| 1600 | 3.7915  | -5.3683 | 1.0007 | 40.9021 | 3.8669  | 1.00066 |
| 1700 | 3.8266  | -5.3952 | 1.0020 | 41.2177 | 3.9462  | 1.00201 |
| 1800 | 3.8670  | -5.4215 | 1.0054 | 41.5908 | 4.0896  | 1.00543 |
| 1900 | 3.9181  | -5.4483 | 1.0131 | 42.0870 | 4.3583  | 1.01310 |
| 2000 | 3.9854  | -5.4770 | 1.0283 | 42.7980 | 4.8349  | 1.02833 |
| 2100 | 4.0701  | -5.5093 | 1.0548 | 43.8127 | 5.5962  | 1.05483 |
| 2200 | 4.1637  | -5.5451 | 1.0935 | 45.1254 | 6.6262  | 1.09345 |
| 2300 | 4.2477  | -5.5813 | 1.1368 | 46.5085 | 7.6903  | 1.13684 |
| 2400 | 4.3066  | -5.6128 | 1.1716 | 47.6042 | 8.4412  | 1.17156 |
| 2500 | 4.3409  | -5.6379 | 1.1916 | 48.2844 | 8.7694  | 1.19155 |
| 2600 | 4.3607  | -5.6584 | 1.2010 | 48.6848 | 8.8242  | 1.20100 |
| 2700 | 4.3738  | -5.6763 | 1.2053 | 48.9525 | 8.7594  | 1.20528 |
| 2800 | 4.3845  | -5.6929 | 1.2074 | 49.1553 | 8.6559  | 1.20740 |
| 2900 | 4.3942  | -5.7086 | 1.2087 | 49.3578 | 8.5465  | 1.20873 |
| 3000 | 4.4039  | -5.7237 | 1.2099 | 49.5473 | 8.4476  | 1.20991 |
| 3100 | 4.4142  | -5.7385 | 1.2114 | 49.7463 | 8.3715  | 1.21140 |
| 3200 | 4.4257  | -5.7531 | 1.2136 | 49.9679 | 8.3277  | 1.21359 |
| 3300 | 4.4393  | -5.7677 | 1.2170 | 50.2286 | 8.3323  | 1.21702 |
| 3400 | 4.4560  | -5.7826 | 1.2224 | 50.5499 | 8.4044  | 1.22241 |
| 3500 | 4.4770  | -5.7981 | 1.2307 | 50.9603 | 8.5686  | 1.23067 |
| 3600 | 4.5037  | -5.8147 | 1.2431 | 51.4964 | 8.8599  | 1.24312 |
| 3700 | 4.5375  | -5.8329 | 1.2613 | 52.2029 | 9.3174  | 1.26132 |
| 3800 | 4.5795  | -5.8533 | 1.2873 | 53.1346 | 9.9927  | 1.28734 |
| 3900 | 4.6299  | -5.8766 | 1.3234 | 54.3478 | 10.9348 | 1.32342 |
| 4000 | 4.6881  | -5.9032 | 1.3718 | 55.8955 | 12.1902 | 1.37181 |
| 4100 | 4.7522  | -5.9332 | 1.4342 | 57.8097 | 13.7845 | 1.43416 |
| 4200 | 4.8187  | -5.9661 | 1.5102 | 60.0652 | 15.6854 | 1.51016 |
| 4300 | 4.8835  | -6.0005 | 1.5966 | 62.5566 | 17.7857 | 1.59651 |
| 4400 | 4.9417  | -6.0342 | 1.6850 | 65.0773 | 19.8711 | 1.68596 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 4500  | 4.9898 | -6.0648 | 1.7692 | 67.3819  | 21.7081 | 1.76916 |
| 4600  | 5.0265 | -6.0910 | 1.8381 | 69.2732  | 23.1063 | 1.83810 |
| 4700  | 5.0527 | -6.1124 | 1.8899 | 70.6943  | 24.0200 | 1.88987 |
| 4800  | 5.0707 | -6.1297 | 1.9259 | 71.6994  | 24.5135 | 1.92589 |
| 4900  | 5.0829 | -6.1440 | 1.9497 | 72.3921  | 24.6984 | 1.94973 |
| 5000  | 5.0913 | -6.1562 | 1.9652 | 72.8737  | 24.6811 | 1.96521 |
| 5100  | 5.0975 | -6.1670 | 1.9752 | 73.2212  | 24.5410 | 1.97518 |
| 5200  | 5.1022 | -6.1769 | 1.9818 | 73.4874  | 24.3329 | 1.98179 |
| 5300  | 5.1061 | -6.1862 | 1.9864 | 73.7070  | 24.0917 | 1.98642 |
| 5400  | 5.1097 | -6.1951 | 1.9899 | 73.9016  | 23.8386 | 1.98991 |
| 5500  | 5.1131 | -6.2037 | 1.9929 | 74.0855  | 23.5877 | 1.99287 |
| 5600  | 5.1164 | -6.2121 | 1.9957 | 74.2683  | 23.3477 | 1.99567 |
| 5700  | 5.1200 | -6.2205 | 1.9986 | 74.4575  | 23.1256 | 1.99862 |
| 5800  | 5.1238 | -6.2287 | 2.0020 | 74.6591  | 22.9266 | 2.00197 |
| 5900  | 5.1279 | -6.2370 | 2.0059 | 74.8787  | 22.7553 | 2.00592 |
| 6000  | 5.1326 | -6.2454 | 2.0107 | 75.1217  | 22.6165 | 2.01068 |
| 6100  | 5.1378 | -6.2538 | 2.0165 | 75.3935  | 22.5154 | 2.01651 |
| 6200  | 5.1437 | -6.2624 | 2.0236 | 75.7007  | 22.4570 | 2.02361 |
| 6300  | 5.1505 | -6.2712 | 2.0323 | 76.0497  | 22.4470 | 2.03229 |
| 6400  | 5.1582 | -6.2803 | 2.0428 | 76.4480  | 22.4914 | 2.04280 |
| 6500  | 5.1670 | -6.2897 | 2.0555 | 76.9037  | 22.5979 | 2.05553 |
| 6600  | 5.1770 | -6.2995 | 2.0708 | 77.4258  | 22.7736 | 2.07082 |
| 6700  | 5.1883 | -6.3099 | 2.0891 | 78.0239  | 23.0275 | 2.08911 |
| 6800  | 5.2011 | -6.3208 | 2.1108 | 78.7084  | 23.3685 | 2.11084 |
| 6900  | 5.2156 | -6.3324 | 2.1365 | 79.4907  | 23.8066 | 2.13653 |
| 7000  | 5.2316 | -6.3448 | 2.1667 | 80.3828  | 24.3522 | 2.16671 |
| 7100  | 5.2495 | -6.3579 | 2.2019 | 81.3962  | 25.0157 | 2.20196 |
| 7200  | 5.2691 | -6.3720 | 2.2428 | 82.5438  | 25.8081 | 2.24287 |
| 7300  | 5.2905 | -6.3870 | 2.2899 | 83.8367  | 26.7387 | 2.29001 |
| 7400  | 5.3135 | -6.4030 | 2.3438 | 85.2850  | 27.8161 | 2.34393 |
| 7500  | 5.3382 | -6.4200 | 2.4050 | 86.8968  | 29.0465 | 2.40510 |
| 7600  | 5.3642 | -6.4380 | 2.4737 | 88.6768  | 30.4328 | 2.47387 |
| 7700  | 5.3912 | -6.4569 | 2.5501 | 90.6224  | 31.9706 | 2.55029 |
| 7800  | 5.4191 | -6.4766 | 2.6340 | 92.7266  | 33.6514 | 2.63422 |
| 7900  | 5.4473 | -6.4968 | 2.7247 | 94.9707  | 35.4553 | 2.72503 |
| 8000  | 5.4755 | -6.5174 | 2.8214 | 97.3293  | 37.3558 | 2.82176 |
| 8100  | 5.5030 | -6.5381 | 2.9224 | 99.7634  | 39.3137 | 2.92283 |
| 8200  | 5.5296 | -6.5585 | 3.0259 | 102.2291 | 41.2850 | 3.02639 |
| 8300  | 5.5548 | -6.5784 | 3.1297 | 104.6742 | 43.2182 | 3.13015 |
| 8400  | 5.5781 | -6.5975 | 3.2312 | 107.0468 | 45.0626 | 3.23176 |
| 8500  | 5.5994 | -6.6155 | 3.3283 | 109.2974 | 46.7696 | 3.32892 |
| 8600  | 5.6185 | -6.6323 | 3.4190 | 111.3856 | 48.3018 | 3.41964 |
| 8700  | 5.6353 | -6.6477 | 3.5019 | 113.2841 | 49.6342 | 3.50251 |
| 8800  | 5.6500 | -6.6617 | 3.5760 | 114.9784 | 50.7548 | 3.57668 |
| 8900  | 5.6626 | -6.6745 | 3.6411 | 116.4655 | 51.6634 | 3.64179 |
| 9000  | 5.6733 | -6.6860 | 3.6974 | 117.7543 | 52.3710 | 3.69808 |
| 9100  | 5.6825 | -6.6964 | 3.7454 | 118.8602 | 52.8949 | 3.74610 |
| 9200  | 5.6902 | -6.7058 | 3.7859 | 119.8011 | 53.2557 | 3.78657 |
| 9300  | 5.6967 | -6.7144 | 3.8197 | 120.5989 | 53.4765 | 3.82040 |
| 9400  | 5.7021 | -6.7222 | 3.8478 | 121.2748 | 53.5796 | 3.84850 |
| 9500  | 5.7068 | -6.7294 | 3.8710 | 121.8472 | 53.5850 | 3.87171 |
| 9600  | 5.7107 | -6.7361 | 3.8901 | 122.3342 | 53.5111 | 3.89083 |
| 9700  | 5.7141 | -6.7423 | 3.9059 | 122.7505 | 53.3734 | 3.90654 |
| 9800  | 5.7170 | -6.7482 | 3.9188 | 123.1087 | 53.1852 | 3.91945 |
| 9900  | 5.7196 | -6.7538 | 3.9294 | 123.4199 | 52.9575 | 3.93005 |
| 10000 | 5.7218 | -6.7591 | 3.9381 | 123.6926 | 52.6990 | 3.93875 |
| 10100 | 5.7238 | -6.7643 | 3.9453 | 123.9338 | 52.4174 | 3.94591 |
| 10200 | 5.7256 | -6.7692 | 3.9512 | 124.1498 | 52.1183 | 3.95181 |
| 10300 | 5.7272 | -6.7740 | 3.9560 | 124.3445 | 51.8062 | 3.95667 |
| 10400 | 5.7287 | -6.7786 | 3.9601 | 124.5224 | 51.4849 | 3.96070 |
| 10500 | 5.7301 | -6.7831 | 3.9634 | 124.6863 | 51.1577 | 3.96403 |
| 10600 | 5.7314 | -6.7875 | 3.9662 | 124.8387 | 50.8267 | 3.96681 |
| 10700 | 5.7326 | -6.7919 | 3.9685 | 124.9816 | 50.4940 | 3.96913 |
| 10800 | 5.7338 | -6.7961 | 3.9705 | 125.1168 | 50.1608 | 3.97105 |
| 10900 | 5.7349 | -6.8003 | 3.9721 | 125.2451 | 49.8285 | 3.97268 |
| 11000 | 5.7360 | -6.8044 | 3.9735 | 125.3680 | 49.4978 | 3.97403 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 11100 | 5.7370 | -6.8085 | 3.9746 | 125.4862 | 49.1694 | 3.97518 |
| 11200 | 5.7380 | -6.8125 | 3.9756 | 125.6006 | 48.8444 | 3.97615 |
| 11300 | 5.7390 | -6.8164 | 3.9764 | 125.7115 | 48.5226 | 3.97697 |
| 11400 | 5.7400 | -6.8203 | 3.9772 | 125.8196 | 48.2046 | 3.97768 |
| 11500 | 5.7410 | -6.8242 | 3.9778 | 125.9254 | 47.8906 | 3.97829 |
| 11600 | 5.7419 | -6.8280 | 3.9783 | 126.0288 | 47.5810 | 3.97882 |
| 11700 | 5.7428 | -6.8318 | 3.9788 | 126.1307 | 47.2757 | 3.97928 |
| 11800 | 5.7438 | -6.8355 | 3.9792 | 126.2309 | 46.9749 | 3.97969 |
| 11900 | 5.7447 | -6.8392 | 3.9796 | 126.3300 | 46.6788 | 3.98006 |
| 12000 | 5.7456 | -6.8429 | 3.9799 | 126.4283 | 46.3876 | 3.98040 |
| 12100 | 5.7465 | -6.8466 | 3.9803 | 126.5256 | 46.1012 | 3.98073 |
| 12200 | 5.7474 | -6.8502 | 3.9806 | 126.6225 | 45.8198 | 3.98105 |
| 12300 | 5.7483 | -6.8537 | 3.9809 | 126.7192 | 45.5436 | 3.98137 |
| 12400 | 5.7493 | -6.8573 | 3.9813 | 126.8159 | 45.2726 | 3.98171 |
| 12500 | 5.7502 | -6.8608 | 3.9816 | 126.9131 | 45.0072 | 3.98208 |
| 12600 | 5.7511 | -6.8643 | 3.9821 | 127.0110 | 44.7477 | 3.98249 |
| 12700 | 5.7521 | -6.8678 | 3.9825 | 127.1102 | 44.4939 | 3.98297 |
| 12800 | 5.7531 | -6.8713 | 3.9831 | 127.2109 | 44.2468 | 3.98351 |
| 12900 | 5.7541 | -6.8747 | 3.9837 | 127.3140 | 44.0064 | 3.98415 |
| 13000 | 5.7552 | -6.8782 | 3.9845 | 127.4198 | 43.7732 | 3.98491 |
| 13100 | 5.7562 | -6.8816 | 3.9854 | 127.5291 | 43.5481 | 3.98582 |
| 13200 | 5.7574 | -6.8850 | 3.9865 | 127.6430 | 43.3317 | 3.98692 |
| 13300 | 5.7586 | -6.8884 | 3.9878 | 127.7625 | 43.1248 | 3.98822 |
| 13400 | 5.7599 | -6.8919 | 3.9894 | 127.8885 | 42.9286 | 3.98980 |
| 13500 | 5.7612 | -6.8953 | 3.9913 | 128.0224 | 42.7440 | 3.99169 |
| 13600 | 5.7627 | -6.8988 | 3.9936 | 128.1660 | 42.5728 | 3.99395 |
| 13700 | 5.7643 | -6.9022 | 3.9963 | 128.3207 | 42.4162 | 3.99665 |
| 13800 | 5.7660 | -6.9057 | 3.9995 | 128.4887 | 42.2761 | 3.99987 |
| 13900 | 5.7679 | -6.9093 | 4.0033 | 128.6718 | 42.1545 | 4.00370 |
| 14000 | 5.7701 | -6.9129 | 4.0079 | 128.8931 | 42.0740 | 4.00823 |
| 14100 | 5.7722 | -6.9166 | 4.0132 | 129.0946 | 41.9765 | 4.01358 |
| 14200 | 5.7748 | -6.9203 | 4.0195 | 129.3400 | 41.9254 | 4.01986 |
| 14300 | 5.7776 | -6.9242 | 4.0269 | 129.6120 | 41.9033 | 4.02721 |
| 14400 | 5.7807 | -6.9281 | 4.0354 | 129.9149 | 41.9140 | 4.03579 |
| 14500 | 5.7842 | -6.9322 | 4.0454 | 130.2517 | 41.9605 | 4.04572 |
| 14600 | 5.7881 | -6.9364 | 4.0569 | 130.6263 | 42.0465 | 4.05721 |
| 14700 | 5.7924 | -6.9408 | 4.0701 | 131.0436 | 42.1763 | 4.07041 |
| 14800 | 5.7972 | -6.9453 | 4.0852 | 131.5074 | 42.3534 | 4.08551 |
| 14900 | 5.8024 | -6.9501 | 4.1023 | 132.0214 | 42.5815 | 4.10269 |
| 15000 | 5.8082 | -6.9550 | 4.1218 | 132.5900 | 42.8643 | 4.12213 |

LOG P=-4.5

| T    | LOG H/R | LOG RHC | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5417  | -4.0636 | 1.0000 | 30.4453 | 3.4806 | 1.00000 |
| 200  | 2.8434  | -4.3646 | 1.0000 | 32.8636 | 3.4862 | 1.00000 |
| 300  | 3.0198  | -4.5407 | 1.0000 | 34.2806 | 3.4891 | 1.00000 |
| 400  | 3.1455  | -4.6657 | 1.0000 | 35.2910 | 3.4952 | 1.00000 |
| 500  | 3.2440  | -4.7626 | 1.0000 | 36.0849 | 3.5074 | 1.00000 |
| 600  | 3.3256  | -4.8417 | 1.0000 | 36.7450 | 3.5270 | 1.00000 |
| 700  | 3.3955  | -4.9087 | 1.0000 | 37.3160 | 3.5516 | 1.00000 |
| 800  | 3.4572  | -4.9667 | 1.0000 | 37.8212 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -5.0178 | 1.0000 | 38.2770 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -5.0636 | 1.0000 | 38.6923 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -5.1050 | 1.0000 | 39.0740 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -5.1428 | 1.0000 | 39.4301 | 3.7122 | 1.00000 |
| 1300 | 3.6874  | -5.1775 | 1.0000 | 39.7612 | 3.7452 | 1.00000 |
| 1400 | 3.7234  | -5.2097 | 1.0000 | 40.0724 | 3.7779 | 1.00000 |
| 1500 | 3.7571  | -5.2376 | 1.0000 | 40.3209 | 3.8106 | 1.00000 |
| 1500 | 3.7577  | -5.2400 | 1.0002 | 40.3736 | 3.8162 | 1.00017 |
| 1600 | 3.7912  | -5.2682 | 1.0006 | 40.6690 | 3.8641 | 1.00058 |
| 1700 | 3.8258  | -5.2951 | 1.0018 | 40.9792 | 3.9383 | 1.00179 |
| 1800 | 3.8648  | -5.3212 | 1.0049 | 41.3395 | 4.0697 | 1.00485 |
| 1900 | 3.9136  | -5.3477 | 1.0117 | 41.8091 | 4.3135 | 1.01170 |

|      |        |         |        |          |         |         |
|------|--------|---------|--------|----------|---------|---------|
| 2000 | 3.9773 | -5.3758 | 1.0254 | 42.4725  | 4.7458  | 1.02542 |
| 2100 | 4.0581 | -5.4071 | 1.0496 | 43.4175  | 5.4433  | 1.04958 |
| 2200 | 4.1495 | -5.4420 | 1.0858 | 44.6611  | 6.4128  | 1.08576 |
| 2300 | 4.2350 | -5.4781 | 1.1285 | 46.0272  | 7.4698  | 1.12850 |
| 2400 | 4.2984 | -5.5105 | 1.1653 | 47.1765  | 8.2826  | 1.16526 |
| 2500 | 4.3367 | -5.5366 | 1.1880 | 47.9251  | 8.6841  | 1.18797 |
| 2600 | 4.3587 | -5.5577 | 1.1992 | 48.3680  | 8.7836  | 1.19919 |
| 2700 | 4.3729 | -5.5760 | 1.2044 | 48.6554  | 8.7397  | 1.20435 |
| 2800 | 4.3839 | -5.5927 | 1.2069 | 48.8764  | 8.6450  | 1.20687 |
| 2900 | 4.3938 | -5.6085 | 1.2084 | 49.0714  | 8.5384  | 1.20836 |
| 3000 | 4.4034 | -5.6236 | 1.2096 | 49.2600  | 8.4390  | 1.20958 |
| 3100 | 4.4135 | -5.6384 | 1.2110 | 49.4553  | 8.3593  | 1.21099 |
| 3200 | 4.4247 | -5.6529 | 1.2130 | 49.6695  | 8.3087  | 1.21301 |
| 3300 | 4.4377 | -5.6673 | 1.2161 | 49.9177  | 8.3015  | 1.21611 |
| 3400 | 4.4534 | -5.6920 | 1.2209 | 50.2194  | 8.3552  | 1.22093 |
| 3500 | 4.4731 | -5.6972 | 1.2283 | 50.6001  | 8.4914  | 1.22832 |
| 3600 | 4.4979 | -5.7134 | 1.2345 | 51.0928  | 8.7420  | 1.23945 |
| 3700 | 4.5292 | -5.7310 | 1.2557 | 51.7377  | 9.1420  | 1.25573 |
| 3800 | 4.5683 | -5.7505 | 1.2790 | 52.5849  | 9.7384  | 1.27904 |
| 3900 | 4.6155 | -5.7727 | 1.3115 | 53.6872  | 10.5775 | 1.31146 |
| 4000 | 4.6705 | -5.7979 | 1.3552 | 55.0968  | 11.7053 | 1.35518 |
| 4100 | 4.7319 | -5.8265 | 1.4121 | 56.8532  | 13.1556 | 1.41207 |
| 4200 | 4.7969 | -5.8581 | 1.4825 | 58.9520  | 14.9166 | 1.48253 |
| 4300 | 4.8618 | -5.8917 | 1.5646 | 61.3253  | 16.9159 | 1.56464 |
| 4400 | 4.9217 | -5.9254 | 1.6524 | 63.8009  | 18.9788 | 1.65243 |
| 4500 | 4.9731 | -5.9570 | 1.7377 | 66.1597  | 20.8896 | 1.73772 |
| 4600 | 5.0137 | -5.9847 | 1.8117 | 68.1810  | 22.4341 | 1.81173 |
| 4700 | 5.0435 | -6.0077 | 1.8698 | 69.7589  | 23.5172 | 1.86975 |
| 4800 | 5.0644 | -6.0265 | 1.9115 | 70.9060  | 24.1618 | 1.91154 |
| 4900 | 5.0787 | -6.0418 | 1.9399 | 71.7080  | 24.4621 | 1.93992 |
| 5000 | 5.0886 | -6.0548 | 1.9586 | 72.2659  | 24.5251 | 1.95863 |
| 5100 | 5.0956 | -6.0661 | 1.9708 | 72.6629  | 24.4370 | 1.97075 |
| 5200 | 5.1009 | -6.0763 | 1.9788 | 72.9600  | 24.2615 | 1.97875 |
| 5300 | 5.1052 | -6.0857 | 1.9842 | 73.1980  | 24.0398 | 1.98424 |
| 5400 | 5.1089 | -6.0947 | 1.9882 | 73.4024  | 23.7974 | 1.98824 |
| 5500 | 5.1124 | -6.1034 | 1.9915 | 73.5902  | 23.5511 | 1.99146 |
| 5600 | 5.1158 | -6.1118 | 1.9943 | 73.7725  | 23.3112 | 1.99433 |
| 5700 | 5.1192 | -6.1202 | 1.9972 | 73.9576  | 23.0857 | 1.99722 |
| 5800 | 5.1229 | -6.1284 | 2.0004 | 74.1519  | 22.8801 | 2.00037 |
| 5900 | 5.1269 | -6.1366 | 2.0040 | 74.3609  | 22.6991 | 2.00401 |
| 6000 | 5.1313 | -6.1449 | 2.0083 | 74.5899  | 22.5474 | 2.00834 |
| 6100 | 5.1362 | -6.1532 | 2.0136 | 74.8440  | 22.4300 | 2.01359 |
| 6200 | 5.1417 | -6.1616 | 2.0200 | 75.1292  | 22.3511 | 2.01996 |
| 6300 | 5.1480 | -6.1702 | 2.0277 | 75.4514  | 22.3160 | 2.02772 |
| 6400 | 5.1551 | -6.1791 | 2.0371 | 75.8172  | 22.3304 | 2.03712 |
| 6500 | 5.1632 | -6.1882 | 2.0485 | 76.2341  | 22.4007 | 2.04848 |
| 6600 | 5.1724 | -6.1977 | 2.0621 | 76.7101  | 22.5336 | 2.06213 |
| 6700 | 5.1828 | -6.2077 | 2.0784 | 77.2538  | 22.7370 | 2.07845 |
| 6800 | 5.1946 | -6.2181 | 2.0978 | 77.8745  | 23.0190 | 2.09784 |
| 6900 | 5.2079 | -6.2292 | 2.1207 | 78.5827  | 23.3886 | 2.12078 |
| 7000 | 5.2227 | -6.2409 | 2.1477 | 79.3891  | 23.8552 | 2.14774 |
| 7100 | 5.2392 | -6.2534 | 2.1792 | 80.3045  | 24.4284 | 2.17924 |
| 7200 | 5.2573 | -6.2667 | 2.2158 | 81.3411  | 25.1187 | 2.21536 |
| 7300 | 5.2772 | -6.2809 | 2.2580 | 82.5095  | 25.9353 | 2.25813 |
| 7400 | 5.2988 | -6.2960 | 2.3065 | 83.8203  | 26.8870 | 2.30660 |
| 7500 | 5.3219 | -6.3121 | 2.3616 | 85.2822  | 27.9808 | 2.36176 |
| 7600 | 5.3465 | -6.3292 | 2.4239 | 86.9023  | 29.2222 | 2.42404 |
| 7700 | 5.3724 | -6.3471 | 2.4934 | 88.6816  | 30.6106 | 2.49363 |
| 7800 | 5.3992 | -6.3659 | 2.5704 | 90.6184  | 32.1425 | 2.57061 |
| 7900 | 5.4266 | -6.3854 | 2.6544 | 92.7011  | 33.8054 | 2.65465 |
| 8000 | 5.4543 | -6.4055 | 2.7448 | 94.9131  | 35.5811 | 2.74516 |
| 8100 | 5.4818 | -6.4258 | 2.8407 | 97.2261  | 37.4403 | 2.84105 |
| 8200 | 5.5087 | -6.4461 | 2.9404 | 99.6042  | 39.3469 | 2.94084 |
| 8300 | 5.5346 | -6.4661 | 3.0421 | 102.0022 | 41.2562 | 3.04259 |
| 8400 | 5.5590 | -6.4856 | 3.1436 | 104.3726 | 43.1211 | 3.14418 |
| 8500 | 5.5816 | -6.5042 | 3.2427 | 106.6653 | 44.8932 | 3.24332 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 8600  | 5.6022 | -6.5217 | 3.3373 | 108.8362 | 46.5296 | 3.33791 |
| 8700  | 5.6207 | -6.5381 | 3.4255 | 110.8500 | 47.9972 | 3.42620 |
| 8800  | 5.6371 | -6.5532 | 3.5062 | 112.6817 | 49.2731 | 3.50687 |
| 8900  | 5.6514 | -6.5669 | 3.5784 | 114.3177 | 50.3465 | 3.57909 |
| 9000  | 5.6637 | -6.5794 | 3.6419 | 115.7575 | 51.2187 | 3.64266 |
| 9100  | 5.6742 | -6.5909 | 3.6970 | 117.0090 | 51.9001 | 3.69778 |
| 9200  | 5.6832 | -6.6010 | 3.7441 | 118.0850 | 52.4060 | 3.74488 |
| 9300  | 5.6908 | -6.6103 | 3.7840 | 119.0042 | 52.7568 | 3.75474 |
| 9400  | 5.6972 | -6.6188 | 3.8174 | 119.7871 | 52.9741 | 3.81821 |
| 9500  | 5.7026 | -6.6265 | 3.8453 | 120.4519 | 53.0779 | 3.84610 |
| 9600  | 5.7073 | -6.6337 | 3.8685 | 121.0180 | 53.0880 | 3.86926 |
| 9700  | 5.7112 | -6.6403 | 3.8876 | 121.5010 | 53.0212 | 3.88841 |
| 9800  | 5.7146 | -6.6465 | 3.9035 | 121.9153 | 52.8924 | 3.90423 |
| 9900  | 5.7176 | -6.6524 | 3.9165 | 122.2732 | 52.7140 | 3.91728 |
| 10000 | 5.7201 | -6.6580 | 3.9273 | 122.5845 | 52.4966 | 3.92804 |
| 10100 | 5.7224 | -6.6633 | 3.9362 | 122.8578 | 52.2489 | 3.93692 |
| 10200 | 5.7244 | -6.6683 | 3.9435 | 123.1003 | 51.9777 | 3.94425 |
| 10300 | 5.7262 | -6.6732 | 3.9496 | 123.3169 | 51.6888 | 3.95031 |
| 10400 | 5.7279 | -6.6780 | 3.9546 | 123.5130 | 51.3869 | 3.95533 |
| 10500 | 5.7294 | -6.6826 | 3.9588 | 123.6919 | 51.0755 | 3.95950 |
| 10600 | 5.7308 | -6.6871 | 3.9623 | 123.8567 | 50.7576 | 3.96297 |
| 10700 | 5.7321 | -6.6915 | 3.9652 | 124.0099 | 50.4357 | 3.96586 |
| 10800 | 5.7334 | -6.6958 | 3.9676 | 124.1535 | 50.1116 | 3.96828 |
| 10900 | 5.7345 | -6.7000 | 3.9697 | 124.2890 | 49.7867 | 3.97031 |
| 11000 | 5.7357 | -6.7042 | 3.9714 | 124.4178 | 49.4623 | 3.97200 |
| 11100 | 5.7368 | -6.7083 | 3.9728 | 124.5408 | 49.1391 | 3.97344 |
| 11200 | 5.7378 | -6.7123 | 3.9740 | 124.6594 | 48.8184 | 3.97485 |
| 11300 | 5.7388 | -6.7163 | 3.9751 | 124.7737 | 48.5003 | 3.97568 |
| 11400 | 5.7398 | -6.7202 | 3.9760 | 124.8846 | 48.1853 | 3.97636 |
| 11500 | 5.7408 | -6.7241 | 3.9767 | 124.9928 | 47.8739 | 3.97731 |
| 11600 | 5.7418 | -6.7279 | 3.9774 | 125.0982 | 47.5662 | 3.97797 |
| 11700 | 5.7427 | -6.7317 | 3.9780 | 125.2016 | 47.2626 | 3.97853 |
| 11800 | 5.7436 | -6.7355 | 3.9785 | 125.3030 | 46.9633 | 3.97902 |
| 11900 | 5.7446 | -6.7392 | 3.9789 | 125.4031 | 46.6681 | 3.97946 |
| 12000 | 5.7455 | -6.7428 | 3.9793 | 125.5020 | 46.3775 | 3.97986 |
| 12100 | 5.7464 | -6.7465 | 3.9797 | 125.5996 | 46.0917 | 3.98023 |
| 12200 | 5.7473 | -6.7501 | 3.9801 | 125.6966 | 45.8105 | 3.98057 |
| 12300 | 5.7482 | -6.7537 | 3.9804 | 125.7930 | 45.5340 | 3.98091 |
| 12400 | 5.7492 | -6.7572 | 3.9807 | 125.8891 | 45.2625 | 3.98125 |
| 12500 | 5.7501 | -6.7608 | 3.9811 | 125.9854 | 44.9963 | 3.98160 |
| 12600 | 5.7510 | -6.7643 | 3.9815 | 126.0819 | 44.7354 | 3.98198 |
| 12700 | 5.7520 | -6.7678 | 3.9819 | 126.1792 | 44.4799 | 3.98240 |
| 12800 | 5.7529 | -6.7712 | 3.9824 | 126.2776 | 44.2305 | 3.98287 |
| 12900 | 5.7539 | -6.7747 | 3.9830 | 126.3776 | 43.9871 | 3.98341 |
| 13000 | 5.7549 | -6.7781 | 3.9836 | 126.4795 | 43.7503 | 3.98405 |
| 13100 | 5.7560 | -6.7815 | 3.9844 | 126.5841 | 43.5205 | 3.98480 |
| 13200 | 5.7571 | -6.7849 | 3.9853 | 126.6921 | 43.2985 | 3.98570 |
| 13300 | 5.7582 | -6.7883 | 3.9863 | 126.8045 | 43.0849 | 3.98676 |
| 13400 | 5.7594 | -6.7917 | 3.9876 | 126.9219 | 42.8803 | 3.98804 |
| 13500 | 5.7606 | -6.7951 | 3.9891 | 127.0456 | 42.6859 | 3.98955 |
| 13600 | 5.7620 | -6.7985 | 3.9910 | 127.1768 | 42.5027 | 3.99138 |
| 13700 | 5.7634 | -6.8019 | 3.9931 | 127.3168 | 42.3320 | 3.99355 |
| 13800 | 5.7649 | -6.8053 | 3.9957 | 127.4675 | 42.1754 | 3.99615 |
| 13900 | 5.7666 | -6.8088 | 3.9988 | 127.6302 | 42.0342 | 3.99923 |
| 14000 | 5.7687 | -6.8123 | 4.0025 | 127.8276 | 41.9307 | 4.00288 |
| 14100 | 5.7705 | -6.8159 | 4.0068 | 128.0013 | 41.8066 | 4.00719 |
| 14200 | 5.7727 | -6.8195 | 4.0119 | 128.2146 | 41.7246 | 4.01227 |
| 14300 | 5.7751 | -6.8232 | 4.0178 | 128.4494 | 41.6670 | 4.01823 |
| 14400 | 5.7778 | -6.8270 | 4.0248 | 128.7098 | 41.6369 | 4.02519 |
| 14500 | 5.7809 | -6.8308 | 4.0329 | 128.9982 | 41.6371 | 4.03329 |
| 14600 | 5.7842 | -6.8348 | 4.0423 | 129.3180 | 41.6709 | 4.04267 |
| 14700 | 5.7879 | -6.8390 | 4.0531 | 129.6737 | 41.7418 | 4.05351 |
| 14800 | 5.7920 | -6.8432 | 4.0656 | 130.0689 | 41.8535 | 4.06594 |
| 14900 | 5.7965 | -6.8477 | 4.0798 | 130.5069 | 42.0091 | 4.08016 |
| 15000 | 5.8015 | -6.8523 | 4.0959 | 130.9921 | 42.2126 | 4.09632 |

LOG P=-4.4

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT    | Z*      |
|------|---------|---------|--------|---------|---------|---------|
| 100  | 2.5417  | -3.9636 | 1.0000 | 30.2151 | 3.4806  | 1.00000 |
| 200  | 2.8434  | -4.2646 | 1.0000 | 32.6336 | 3.4862  | 1.00000 |
| 300  | 3.0198  | -4.4407 | 1.0000 | 34.0507 | 3.4891  | 1.00000 |
| 400  | 3.1455  | -4.5657 | 1.0000 | 35.0609 | 3.4952  | 1.00000 |
| 500  | 3.2440  | -4.6626 | 1.0000 | 35.8549 | 3.5074  | 1.00000 |
| 600  | 3.3256  | -4.7417 | 1.0000 | 36.5147 | 3.5270  | 1.00000 |
| 700  | 3.3955  | -4.8087 | 1.0000 | 37.0860 | 3.5516  | 1.00000 |
| 800  | 3.4572  | -4.8667 | 1.0000 | 37.5907 | 3.5817  | 1.00000 |
| 900  | 3.5121  | -4.9178 | 1.0000 | 38.0466 | 3.6129  | 1.00000 |
| 1000 | 3.5619  | -4.9636 | 1.0000 | 38.4621 | 3.6467  | 1.00000 |
| 1100 | 3.6071  | -5.0050 | 1.0000 | 38.8435 | 3.6791  | 1.00000 |
| 1200 | 3.6488  | -5.0428 | 1.0000 | 39.1996 | 3.7122  | 1.00000 |
| 1300 | 3.6874  | -5.0775 | 1.0000 | 39.5307 | 3.7452  | 1.00000 |
| 1400 | 3.7234  | -5.1097 | 1.0000 | 39.8419 | 3.7779  | 1.00000 |
| 1500 | 3.7571  | -5.1402 | 1.0000 | 40.0965 | 3.8106  | 1.00000 |
| 1500 | 3.7576  | -5.1400 | 1.0002 | 40.1426 | 3.8155  | 1.00015 |
| 1600 | 3.7909  | -5.1682 | 1.0005 | 40.4362 | 3.8617  | 1.00052 |
| 1700 | 3.8250  | -5.1950 | 1.0016 | 40.7415 | 3.9313  | 1.00160 |
| 1800 | 3.8629  | -5.2210 | 1.0043 | 41.0904 | 4.0519  | 1.00432 |
| 1900 | 3.9095  | -5.2471 | 1.0105 | 41.5362 | 4.2734  | 1.01046 |
| 2000 | 3.9699  | -5.2747 | 1.0228 | 42.1562 | 4.6654  | 1.02279 |
| 2100 | 4.0467  | -5.3051 | 1.0448 | 43.0360 | 5.3029  | 1.04476 |
| 2200 | 4.1355  | -5.3391 | 1.0784 | 44.2089 | 6.2097  | 1.07844 |
| 2300 | 4.2219  | -5.3748 | 1.1201 | 45.5451 | 7.2466  | 1.12006 |
| 2400 | 4.2892  | -5.4079 | 1.1584 | 46.7357 | 8.1093  | 1.15839 |
| 2500 | 4.3317  | -5.4351 | 1.1838 | 47.5528 | 8.5849  | 1.18382 |
| 2600 | 4.3562  | -5.4569 | 1.1970 | 48.0435 | 8.7350  | 1.19704 |
| 2700 | 4.3717  | -5.4756 | 1.2033 | 48.3546 | 8.7161  | 1.20325 |
| 2800 | 4.3833  | -5.4925 | 1.2063 | 48.5858 | 8.6322  | 1.20625 |
| 2900 | 4.3933  | -5.5083 | 1.2080 | 48.7844 | 8.5296  | 1.20795 |
| 3000 | 4.4030  | -5.5235 | 1.2092 | 48.9729 | 8.4304  | 1.20923 |
| 3100 | 4.4129  | -5.5382 | 1.2106 | 49.1651 | 8.3479  | 1.21060 |
| 3200 | 4.4238  | -5.5527 | 1.2125 | 49.3729 | 8.2913  | 1.21247 |
| 3300 | 4.4362  | -5.5670 | 1.2153 | 49.6101 | 8.2738  | 1.21527 |
| 3400 | 4.4511  | -5.5816 | 1.2196 | 49.8943 | 8.3111  | 1.21961 |
| 3500 | 4.4695  | -5.5965 | 1.2262 | 50.2486 | 8.4226  | 1.22622 |
| 3600 | 4.4927  | -5.6122 | 1.2362 | 50.7025 | 8.6367  | 1.23616 |
| 3700 | 4.5217  | -5.6292 | 1.2507 | 51.2922 | 8.9850  | 1.25072 |
| 3800 | 4.5580  | -5.6480 | 1.2716 | 52.0634 | 9.5105  | 1.27159 |
| 3900 | 4.6020  | -5.6691 | 1.3007 | 53.0649 | 10.2560 | 1.30070 |
| 4000 | 4.6539  | -5.6931 | 1.3401 | 54.3475 | 11.2664 | 1.34012 |
| 4100 | 4.7125  | -5.7202 | 1.3918 | 55.9545 | 12.5797 | 1.39184 |
| 4200 | 4.7755  | -5.7505 | 1.4567 | 57.8963 | 14.1994 | 1.45674 |
| 4300 | 4.8398  | -5.7831 | 1.5340 | 60.1342 | 16.0819 | 1.53396 |
| 4400 | 4.9009  | -5.8166 | 1.6190 | 62.5363 | 18.0911 | 1.61904 |
| 4500 | 4.9551  | -5.8488 | 1.7050 | 64.9118 | 20.0380 | 1.70500 |
| 4600 | 4.9992  | -5.8778 | 1.7830 | 67.0342 | 21.7011 | 1.78297 |
| 4700 | 5.0328  | -5.9024 | 1.8469 | 68.7593 | 22.9458 | 1.84686 |
| 4800 | 5.0569  | -5.9226 | 1.8947 | 70.0553 | 23.7496 | 1.89470 |
| 4900 | 5.0736  | -5.9392 | 1.9282 | 70.9795 | 24.1792 | 1.92815 |
| 5000 | 5.0852  | -5.9530 | 1.9506 | 71.6265 | 24.3359 | 1.95063 |
| 5100 | 5.0934  | -5.9649 | 1.9653 | 72.0831 | 24.3104 | 1.96533 |
| 5200 | 5.0994  | -5.9754 | 1.9750 | 72.4186 | 24.1753 | 1.97504 |
| 5300 | 5.1041  | -5.9852 | 1.9816 | 72.6801 | 23.9784 | 1.98162 |
| 5400 | 5.1081  | -5.9943 | 1.9863 | 72.8980 | 23.7506 | 1.98629 |
| 5500 | 5.1117  | -6.0030 | 1.9899 | 73.0924 | 23.5117 | 1.98988 |
| 5600 | 5.1151  | -6.0115 | 1.9929 | 73.2764 | 23.2742 | 1.99292 |
| 5700 | 5.1185  | -6.0199 | 1.9958 | 73.4592 | 23.0471 | 1.99582 |
| 5800 | 5.1221  | -6.0281 | 1.9988 | 73.6479 | 22.8365 | 1.99885 |
| 5900 | 5.1259  | -6.0362 | 2.0022 | 73.8481 | 22.6476 | 2.00223 |
| 6000 | 5.1300  | -6.0444 | 2.0062 | 74.0651 | 22.4848 | 2.00620 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 6100  | 5.1347 | -6.0526 | 2.0109 | 74.3037  | 22.3529 | 2.01095 |
| 6200  | 5.1398 | -6.0609 | 2.0167 | 74.5695  | 22.2562 | 2.01668 |
| 6300  | 5.1457 | -6.0693 | 2.0236 | 74.8678  | 22.1989 | 2.02363 |
| 6400  | 5.1523 | -6.0780 | 2.0320 | 75.2048  | 22.1865 | 2.03204 |
| 6500  | 5.1598 | -6.0869 | 2.0422 | 75.5871  | 22.2246 | 2.04218 |
| 6600  | 5.1682 | -6.0961 | 2.0544 | 76.0219  | 22.3194 | 2.05437 |
| 6700  | 5.1778 | -6.1057 | 2.0689 | 76.5170  | 22.4777 | 2.06893 |
| 6800  | 5.1887 | -6.1157 | 2.0862 | 77.0808  | 22.7070 | 2.08623 |
| 6900  | 5.2009 | -6.1263 | 2.1067 | 77.7227  | 23.0152 | 2.10671 |
| 7000  | 5.2145 | -6.1375 | 2.1307 | 78.4524  | 23.4111 | 2.13078 |
| 7100  | 5.2297 | -6.1493 | 2.1589 | 79.2900  | 23.9032 | 2.15893 |
| 7200  | 5.2465 | -6.1620 | 2.1916 | 80.2165  | 24.5014 | 2.19168 |
| 7300  | 5.2650 | -6.1754 | 2.2295 | 81.2722  | 25.2144 | 2.22954 |
| 7400  | 5.2851 | -6.1897 | 2.2729 | 82.4576  | 26.0511 | 2.27304 |
| 7500  | 5.3067 | -6.2049 | 2.3225 | 83.7814  | 27.0189 | 2.32266 |
| 7600  | 5.3299 | -6.2210 | 2.3787 | 85.2523  | 28.1248 | 2.37888 |
| 7700  | 5.3544 | -6.2381 | 2.4418 | 86.8740  | 29.3710 | 2.44200 |
| 7800  | 5.3801 | -6.2560 | 2.5120 | 88.6484  | 30.7575 | 2.51223 |
| 7900  | 5.4065 | -6.2747 | 2.5892 | 90.5699  | 32.2775 | 2.58950 |
| 8000  | 5.4335 | -6.2940 | 2.6732 | 92.6281  | 33.9194 | 2.67349 |
| 8100  | 5.4607 | -6.3137 | 2.7631 | 94.8028  | 35.6617 | 2.76345 |
| 8200  | 5.4876 | -6.3337 | 2.8579 | 97.0674  | 37.4777 | 2.85834 |
| 8300  | 5.5138 | -6.3537 | 2.9561 | 99.3854  | 39.3303 | 2.95661 |
| 8400  | 5.5390 | -6.3733 | 3.0559 | 101.7160 | 41.1788 | 3.05649 |
| 8500  | 5.5627 | -6.3923 | 3.1553 | 104.0122 | 42.9777 | 3.15587 |
| 8600  | 5.5846 | -6.4105 | 3.2520 | 106.2290 | 44.6516 | 3.25255 |
| 8700  | 5.6047 | -6.4277 | 3.3442 | 108.3262 | 46.2530 | 3.34487 |
| 8800  | 5.6227 | -6.4437 | 3.4302 | 110.2708 | 47.6609 | 3.43090 |
| 8900  | 5.6386 | -6.4584 | 3.5087 | 112.0399 | 48.8847 | 3.50949 |
| 9000  | 5.6525 | -6.4719 | 3.5792 | 113.6232 | 49.9161 | 3.57999 |
| 9100  | 5.6645 | -6.4842 | 3.6414 | 115.0204 | 50.7571 | 3.64220 |
| 9200  | 5.6749 | -6.4953 | 3.6954 | 116.2375 | 51.4159 | 3.69625 |
| 9300  | 5.6837 | -6.5054 | 3.7418 | 117.2884 | 51.9081 | 3.74264 |
| 9400  | 5.6912 | -6.5146 | 3.7812 | 118.1905 | 52.2529 | 3.78203 |
| 9500  | 5.6976 | -6.5230 | 3.8144 | 118.9606 | 52.4668 | 3.81530 |
| 9600  | 5.7031 | -6.5307 | 3.8423 | 119.6180 | 52.5760 | 3.84313 |
| 9700  | 5.7077 | -6.5378 | 3.8655 | 120.1792 | 52.5922 | 3.86632 |
| 9800  | 5.7117 | -6.5444 | 3.8847 | 120.6598 | 52.5337 | 3.88559 |
| 9900  | 5.7151 | -6.5506 | 3.9007 | 121.0735 | 52.4144 | 3.90157 |
| 10000 | 5.7181 | -6.5565 | 3.9140 | 121.4315 | 52.2464 | 3.91480 |
| 10100 | 5.7207 | -6.5620 | 3.9249 | 121.7437 | 52.0398 | 3.92576 |
| 10200 | 5.7230 | -6.5673 | 3.9340 | 122.0185 | 51.8029 | 3.93484 |
| 10300 | 5.7250 | -6.5724 | 3.9416 | 122.2620 | 51.5423 | 3.94236 |
| 10400 | 5.7269 | -6.5773 | 3.9478 | 122.4804 | 51.2639 | 3.94861 |
| 10500 | 5.7285 | -6.5820 | 3.9530 | 122.6778 | 50.9722 | 3.95380 |
| 10600 | 5.7301 | -6.5866 | 3.9574 | 122.8580 | 50.6707 | 3.95814 |
| 10700 | 5.7315 | -6.5911 | 3.9610 | 123.0240 | 50.3623 | 3.96175 |
| 10800 | 5.7328 | -6.5954 | 3.9640 | 123.1782 | 50.0495 | 3.96477 |
| 10900 | 5.7341 | -6.5997 | 3.9666 | 123.3226 | 49.7340 | 3.96731 |
| 11000 | 5.7353 | -6.6039 | 3.9687 | 123.4588 | 49.4176 | 3.96944 |
| 11100 | 5.7364 | -6.6080 | 3.9705 | 123.5881 | 49.1010 | 3.97124 |
| 11200 | 5.7375 | -6.6121 | 3.9721 | 123.7119 | 48.7858 | 3.97276 |
| 11300 | 5.7386 | -6.6161 | 3.9734 | 123.8306 | 48.4723 | 3.97405 |
| 11400 | 5.7396 | -6.6200 | 3.9745 | 123.9451 | 48.1612 | 3.97515 |
| 11500 | 5.7406 | -6.6239 | 3.9754 | 124.0563 | 47.8530 | 3.97609 |
| 11600 | 5.7416 | -6.6278 | 3.9763 | 124.1642 | 47.5479 | 3.97689 |
| 11700 | 5.7426 | -6.6316 | 3.9770 | 124.2697 | 47.2465 | 3.97759 |
| 11800 | 5.7435 | -6.6354 | 3.9776 | 124.3728 | 46.9489 | 3.97820 |
| 11900 | 5.7445 | -6.6391 | 3.9781 | 124.4742 | 46.6553 | 3.97872 |
| 12000 | 5.7454 | -6.6428 | 3.9786 | 124.5741 | 46.3660 | 3.97920 |
| 12100 | 5.7463 | -6.6464 | 3.9790 | 124.6725 | 46.0807 | 3.97963 |
| 12200 | 5.7472 | -6.6500 | 3.9794 | 124.7699 | 45.8001 | 3.98002 |
| 12300 | 5.7481 | -6.6536 | 3.9798 | 124.8665 | 45.5239 | 3.98038 |
| 12400 | 5.7491 | -6.6572 | 3.9802 | 124.9624 | 45.2523 | 3.98074 |
| 12500 | 5.7500 | -6.6607 | 3.9806 | 125.0582 | 44.9857 | 3.98110 |
| 12600 | 5.7509 | -6.6642 | 3.9809 | 125.1538 | 44.7239 | 3.98147 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 12700 | 5.7519 | -6.6677 | 3.9813 | 125.2498 | 44.4674 | 3.98185 |
| 12800 | 5.7528 | -6.6711 | 3.9818 | 125.3464 | 44.2162 | 3.98228 |
| 12900 | 5.7538 | -6.6746 | 3.9822 | 125.4441 | 43.9706 | 3.98276 |
| 13000 | 5.7547 | -6.6780 | 3.9828 | 125.5431 | 43.7311 | 3.98331 |
| 13100 | 5.7557 | -6.6814 | 3.9834 | 125.6440 | 43.4978 | 3.98394 |
| 13200 | 5.7568 | -6.6848 | 3.9842 | 125.7475 | 43.2715 | 3.98468 |
| 13300 | 5.7579 | -6.6881 | 3.9851 | 125.8543 | 43.0523 | 3.98555 |
| 13400 | 5.7590 | -6.6915 | 3.9861 | 125.9649 | 42.8414 | 3.98659 |
| 13500 | 5.7601 | -6.6949 | 3.9874 | 126.0803 | 42.6390 | 3.98782 |
| 13600 | 5.7614 | -6.6982 | 3.9888 | 126.2017 | 42.4464 | 3.98930 |
| 13700 | 5.7627 | -6.7016 | 3.9906 | 126.3300 | 42.2644 | 3.99105 |
| 13800 | 5.7641 | -6.7050 | 3.9927 | 126.4667 | 42.0943 | 3.99314 |
| 13900 | 5.7656 | -6.7084 | 3.9952 | 126.6130 | 41.9374 | 3.99562 |
| 14000 | 5.7675 | -6.7118 | 3.9981 | 126.7909 | 41.8152 | 3.99856 |
| 14100 | 5.7690 | -6.7153 | 4.0016 | 126.9422 | 41.6695 | 4.00202 |
| 14200 | 5.7710 | -6.7188 | 4.0057 | 127.1291 | 41.5622 | 4.00613 |
| 14300 | 5.7731 | -6.7224 | 4.0105 | 127.3335 | 41.4754 | 4.01093 |
| 14400 | 5.7755 | -6.7260 | 4.0161 | 127.5588 | 41.4118 | 4.01657 |
| 14500 | 5.7781 | -6.7297 | 4.0227 | 127.8070 | 41.3735 | 4.02314 |
| 14600 | 5.7810 | -6.7336 | 4.0303 | 128.0812 | 41.3637 | 4.03078 |
| 14700 | 5.7842 | -6.7375 | 4.0392 | 128.3853 | 41.3854 | 4.03962 |
| 14800 | 5.7877 | -6.7415 | 4.0494 | 128.7224 | 41.4415 | 4.04981 |
| 14900 | 5.7916 | -6.7457 | 4.0611 | 129.0957 | 41.5356 | 4.06150 |
| 15000 | 5.7959 | -6.7500 | 4.0744 | 129.5091 | 41.6709 | 4.07485 |

LOG P=-4.3

| T    | LOG H/R | LOG RHC | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5417  | -3.8636 | 1.0000 | 29.9846 | 3.4806 | 1.00000 |
| 200  | 2.8434  | -4.1646 | 1.0000 | 32.4035 | 3.4862 | 1.00000 |
| 300  | 3.0198  | -4.3407 | 1.0000 | 33.8204 | 3.4891 | 1.00000 |
| 400  | 3.1455  | -4.4657 | 1.0000 | 34.8303 | 3.4952 | 1.00000 |
| 500  | 3.2440  | -4.5626 | 1.0000 | 35.6247 | 3.5074 | 1.00000 |
| 600  | 3.3256  | -4.6417 | 1.0000 | 36.2842 | 3.5270 | 1.00000 |
| 700  | 3.3955  | -4.7087 | 1.0000 | 36.8556 | 3.5516 | 1.00000 |
| 800  | 3.4572  | -4.7667 | 1.0000 | 37.3604 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -4.8178 | 1.0000 | 37.8161 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -4.8636 | 1.0000 | 38.2316 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -4.9050 | 1.0000 | 38.6135 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -4.9428 | 1.0000 | 38.9694 | 3.7122 | 1.00000 |
| 1300 | 3.6874  | -4.9775 | 1.0000 | 39.3003 | 3.7452 | 1.00000 |
| 1400 | 3.7234  | -5.0097 | 1.0000 | 39.6114 | 3.7779 | 1.00000 |
| 1500 | 3.7571  | -5.0400 | 1.0000 | 39.8954 | 3.8106 | 1.00000 |
| 1500 | 3.7576  | -5.0400 | 1.0001 | 39.9117 | 3.8149 | 1.00013 |
| 1600 | 3.7907  | -5.0682 | 1.0005 | 40.2036 | 3.8595 | 1.00046 |
| 1700 | 3.8243  | -5.0949 | 1.0014 | 40.5047 | 3.9251 | 1.00143 |
| 1800 | 3.8612  | -5.1208 | 1.0039 | 40.8433 | 4.0361 | 1.00386 |
| 1900 | 3.9059  | -5.1466 | 1.0093 | 41.2677 | 4.2374 | 1.00934 |
| 2000 | 3.9631  | -5.1737 | 1.0204 | 41.8485 | 4.5928 | 1.02042 |
| 2100 | 4.0361  | -5.2033 | 1.0403 | 42.6674 | 5.1743 | 1.04034 |
| 2200 | 4.1219  | -5.2363 | 1.0715 | 43.7697 | 6.0181 | 1.07154 |
| 2300 | 4.2083  | -5.2716 | 1.1117 | 45.0654 | 7.0237 | 1.11165 |
| 2400 | 4.2791  | -5.3051 | 1.1510 | 46.2830 | 7.9224 | 1.15098 |
| 2500 | 4.3259  | -5.3333 | 1.1791 | 47.1664 | 8.4705 | 1.17905 |
| 2600 | 4.3533  | -5.3560 | 1.1945 | 47.7100 | 8.6769 | 1.19448 |
| 2700 | 4.3703  | -5.3751 | 1.2019 | 48.0492 | 8.6877 | 1.20192 |
| 2800 | 4.3825  | -5.3922 | 1.2055 | 48.2931 | 8.6171 | 1.20552 |
| 2900 | 4.3928  | -5.4081 | 1.2075 | 48.4965 | 8.5198 | 1.20748 |
| 3000 | 4.4025  | -5.4234 | 1.2089 | 48.6858 | 8.4216 | 1.20835 |
| 3100 | 4.4124  | -5.4381 | 1.2102 | 48.8756 | 8.3371 | 1.21021 |
| 3200 | 4.4229  | -5.4525 | 1.2120 | 49.0778 | 8.2754 | 1.21195 |
| 3300 | 4.4349  | -5.4668 | 1.2145 | 49.3054 | 8.2488 | 1.21450 |
| 3400 | 4.4491  | -5.4811 | 1.2184 | 49.5741 | 8.2716 | 1.21840 |
| 3500 | 4.4663  | -5.4958 | 1.2243 | 49.9048 | 8.3609 | 1.22433 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 3600  | 4.4879 | -5.5112 | 1.2332 | 50.3240  | 8.5425  | 1.23321 |
| 3700  | 4.5149 | -5.5277 | 1.2462 | 50.8643  | 8.8446  | 1.24623 |
| 3800  | 4.5486 | -5.5457 | 1.2649 | 51.5672  | 9.3063  | 1.26491 |
| 3900  | 4.5896 | -5.5659 | 1.2910 | 52.4775  | 9.9669  | 1.29102 |
| 4000  | 4.6383 | -5.5886 | 1.3265 | 53.6438  | 10.8696 | 1.32651 |
| 4100  | 4.6939 | -5.6144 | 1.3734 | 55.1107  | 12.0542 | 1.37338 |
| 4200  | 4.7547 | -5.6433 | 1.4329 | 56.8995  | 13.5352 | 1.43286 |
| 4300  | 4.8179 | -5.6748 | 1.5049 | 58.9943  | 15.2915 | 1.50489 |
| 4400  | 4.8795 | -5.7077 | 1.5864 | 61.2981  | 17.2216 | 1.58636 |
| 4500  | 4.9358 | -5.7402 | 1.6716 | 63.6538  | 19.1685 | 1.67160 |
| 4600  | 4.9833 | -5.7702 | 1.7523 | 65.8450  | 20.9188 | 1.75228 |
| 4700  | 5.0206 | -5.7964 | 1.8214 | 67.7011  | 22.3097 | 1.82139 |
| 4800  | 5.0481 | -5.8182 | 1.8753 | 69.1454  | 23.2735 | 1.87526 |
| 4900  | 5.0676 | -5.8360 | 1.9142 | 70.2016  | 23.8436 | 1.91419 |
| 5000  | 5.0811 | -5.8508 | 1.9410 | 70.9503  | 24.1077 | 1.94096 |
| 5100  | 5.0906 | -5.8634 | 1.9588 | 71.4778  | 24.1570 | 1.95874 |
| 5200  | 5.0975 | -5.8744 | 1.9705 | 71.8601  | 24.0711 | 1.97053 |
| 5300  | 5.1028 | -5.8845 | 1.9785 | 72.1513  | 23.9057 | 1.97847 |
| 5400  | 5.1071 | -5.8938 | 1.9840 | 72.3871  | 23.6969 | 1.98400 |
| 5500  | 5.1109 | -5.9027 | 1.9881 | 72.5912  | 23.4685 | 1.98810 |
| 5600  | 5.1143 | -5.9112 | 1.9914 | 72.7791  | 23.2356 | 1.99140 |
| 5700  | 5.1178 | -5.9195 | 1.9944 | 72.9616  | 23.0088 | 1.99439 |
| 5800  | 5.1213 | -5.9277 | 1.9974 | 73.1463  | 22.7950 | 1.99736 |
| 5900  | 5.1250 | -5.9359 | 2.0006 | 73.3395  | 22.5998 | 2.00056 |
| 6000  | 5.1289 | -5.9440 | 2.0042 | 73.5463  | 22.4278 | 2.00423 |
| 6100  | 5.1333 | -5.9521 | 2.0085 | 73.7714  | 22.2834 | 2.00855 |
| 6200  | 5.1382 | -5.9603 | 2.0137 | 74.0201  | 22.1708 | 2.01372 |
| 6300  | 5.1436 | -5.9685 | 2.0200 | 74.2974  | 22.0941 | 2.01996 |
| 6400  | 5.1497 | -5.9770 | 2.0275 | 74.6089  | 22.0579 | 2.02749 |
| 6500  | 5.1567 | -5.9857 | 2.0366 | 74.9604  | 22.0675 | 2.03656 |
| 6600  | 5.1645 | -5.9946 | 2.0474 | 75.3586  | 22.1283 | 2.04744 |
| 6700  | 5.1733 | -6.0039 | 2.0604 | 75.8104  | 22.2465 | 2.06044 |
| 6800  | 5.1833 | -6.0136 | 2.0759 | 76.3234  | 22.4287 | 2.07588 |
| 6900  | 5.1945 | -6.0237 | 2.0941 | 76.9060  | 22.6821 | 2.09415 |
| 7000  | 5.2071 | -6.0344 | 2.1156 | 77.5671  | 23.0146 | 2.11564 |
| 7100  | 5.2211 | -6.0457 | 2.1407 | 78.3157  | 23.4339 | 2.14078 |
| 7200  | 5.2366 | -6.0576 | 2.1700 | 79.1622  | 23.9492 | 2.17005 |
| 7300  | 5.2537 | -6.0704 | 2.2038 | 80.1161  | 24.5688 | 2.20393 |
| 7400  | 5.2724 | -6.0839 | 2.2428 | 81.1875  | 25.3010 | 2.24291 |
| 7500  | 5.2926 | -6.0983 | 2.2873 | 82.3851  | 26.1536 | 2.28746 |
| 7600  | 5.3143 | -6.1135 | 2.3379 | 83.7184  | 27.1341 | 2.33810 |
| 7700  | 5.3375 | -6.1296 | 2.3950 | 85.1923  | 28.2462 | 2.39515 |
| 7800  | 5.3618 | -6.1467 | 2.4587 | 86.8114  | 29.4929 | 2.45892 |
| 7900  | 5.3872 | -6.1645 | 2.5292 | 88.5741  | 30.8711 | 2.52952 |
| 8000  | 5.4133 | -6.1830 | 2.6065 | 90.4758  | 32.3752 | 2.60686 |
| 8100  | 5.4398 | -6.2021 | 2.6901 | 92.5027  | 33.9900 | 2.69047 |
| 8200  | 5.4665 | -6.2216 | 2.7793 | 94.6376  | 35.6973 | 2.77975 |
| 8300  | 5.4927 | -6.2413 | 2.8730 | 96.8513  | 37.4672 | 2.87346 |
| 8400  | 5.5183 | -6.2608 | 2.9697 | 99.1103  | 39.2663 | 2.97021 |
| 8500  | 5.5428 | -6.2801 | 3.0676 | 101.3732 | 41.0539 | 3.06815 |
| 8600  | 5.5658 | -6.2987 | 3.1647 | 103.5975 | 42.7879 | 3.16535 |
| 8700  | 5.5872 | -6.3165 | 3.2591 | 105.7422 | 44.4285 | 3.25986 |
| 8800  | 5.6067 | -6.3333 | 3.3491 | 107.7699 | 45.9400 | 3.34985 |
| 8900  | 5.6242 | -6.3489 | 3.4330 | 109.6501 | 47.2938 | 3.43377 |
| 9000  | 5.6397 | -6.3634 | 3.5097 | 111.3636 | 48.4724 | 3.51056 |
| 9100  | 5.6534 | -6.3766 | 3.5787 | 112.9008 | 49.4683 | 3.57961 |
| 9200  | 5.6652 | -6.3887 | 3.6397 | 114.2596 | 50.2820 | 3.64063 |
| 9300  | 5.6754 | -6.3997 | 3.6929 | 115.4475 | 50.9226 | 3.69382 |
| 9400  | 5.6841 | -6.4097 | 3.7387 | 116.4767 | 51.4045 | 3.73964 |
| 9500  | 5.6916 | -6.4188 | 3.7778 | 117.3624 | 51.7444 | 3.77871 |
| 9600  | 5.6980 | -6.4271 | 3.8108 | 118.1224 | 51.9615 | 3.81179 |
| 9700  | 5.7034 | -6.4348 | 3.8387 | 118.7733 | 52.0734 | 3.83961 |
| 9800  | 5.7080 | -6.4419 | 3.8620 | 119.3312 | 52.0970 | 3.86290 |
| 9900  | 5.7120 | -6.4485 | 3.8814 | 119.8108 | 52.0478 | 3.88234 |
| 10000 | 5.7155 | -6.4547 | 3.8976 | 120.2246 | 51.9389 | 3.89854 |
| 10100 | 5.7185 | -6.4605 | 3.9111 | 120.5837 | 51.7820 | 3.91200 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 10200 | 5.7211 | -6.4660 | 3.9223 | 120.8979 | 51.5868 | 3.92321 |
| 10300 | 5.7235 | -6.4713 | 3.9316 | 121.1742 | 51.3611 | 3.93252 |
| 10400 | 5.7256 | -6.4763 | 3.9394 | 121.4201 | 51.1118 | 3.94028 |
| 10500 | 5.7274 | -6.4812 | 3.9459 | 121.6402 | 50.8441 | 3.94674 |
| 10600 | 5.7291 | -6.4859 | 3.9513 | 121.8395 | 50.5627 | 3.95213 |
| 10700 | 5.7307 | -6.4905 | 3.9558 | 122.0214 | 50.2711 | 3.95664 |
| 10800 | 5.7322 | -6.4949 | 3.9596 | 122.1889 | 49.9724 | 3.96042 |
| 10900 | 5.7335 | -6.4993 | 3.9628 | 122.3442 | 49.6686 | 3.96359 |
| 11000 | 5.7348 | -6.5035 | 3.9655 | 122.4897 | 49.3619 | 3.96625 |
| 11100 | 5.7360 | -6.5077 | 3.9677 | 122.6267 | 49.0535 | 3.96851 |
| 11200 | 5.7372 | -6.5118 | 3.9696 | 122.7569 | 48.7452 | 3.97040 |
| 11300 | 5.7383 | -6.5159 | 3.9713 | 122.8811 | 48.4374 | 3.97202 |
| 11400 | 5.7393 | -6.5198 | 3.9727 | 123.0001 | 48.1311 | 3.97339 |
| 11500 | 5.7404 | -6.5238 | 3.9738 | 123.1151 | 47.8270 | 3.97456 |
| 11600 | 5.7414 | -6.5276 | 3.9748 | 123.2263 | 47.5254 | 3.97557 |
| 11700 | 5.7424 | -6.5315 | 3.9757 | 123.3345 | 47.2269 | 3.97643 |
| 11800 | 5.7434 | -6.5352 | 3.9765 | 123.4397 | 46.9316 | 3.97718 |
| 11900 | 5.7443 | -6.5390 | 3.9771 | 123.5429 | 46.6399 | 3.97782 |
| 12000 | 5.7453 | -6.5427 | 3.9777 | 123.6443 | 46.3521 | 3.97839 |
| 12100 | 5.7462 | -6.5463 | 3.9782 | 123.7438 | 46.0682 | 3.97891 |
| 12200 | 5.7471 | -6.5500 | 3.9787 | 123.8420 | 45.7883 | 3.97936 |
| 12300 | 5.7480 | -6.5536 | 3.9791 | 123.9391 | 45.5128 | 3.97978 |
| 12400 | 5.7490 | -6.5571 | 3.9796 | 124.0352 | 45.2416 | 3.98018 |
| 12500 | 5.7499 | -6.5606 | 3.9799 | 124.1309 | 44.9749 | 3.98056 |
| 12600 | 5.7508 | -6.5642 | 3.9803 | 124.2261 | 44.7128 | 3.98093 |
| 12700 | 5.7517 | -6.5676 | 3.9807 | 124.3213 | 44.4555 | 3.98131 |
| 12800 | 5.7527 | -6.5711 | 3.9811 | 124.4167 | 44.2033 | 3.98172 |
| 12900 | 5.7536 | -6.5745 | 3.9816 | 124.5128 | 43.9561 | 3.98215 |
| 13000 | 5.7546 | -6.5779 | 3.9821 | 124.6096 | 43.7145 | 3.98263 |
| 13100 | 5.7556 | -6.5813 | 3.9826 | 124.7077 | 43.4786 | 3.98318 |
| 13200 | 5.7566 | -6.5847 | 3.9832 | 124.8077 | 43.2489 | 3.98380 |
| 13300 | 5.7576 | -6.5880 | 3.9840 | 124.9101 | 43.0257 | 3.98454 |
| 13400 | 5.7587 | -6.5914 | 3.9849 | 125.0154 | 42.8096 | 3.98539 |
| 13500 | 5.7598 | -6.5947 | 3.9859 | 125.1245 | 42.6011 | 3.98640 |
| 13600 | 5.7609 | -6.5981 | 3.9871 | 125.2381 | 42.4010 | 3.98760 |
| 13700 | 5.7621 | -6.6014 | 3.9885 | 125.3571 | 42.2101 | 3.98903 |
| 13800 | 5.7634 | -6.6047 | 3.9902 | 125.4827 | 42.0294 | 3.99071 |
| 13900 | 5.7648 | -6.6081 | 3.9922 | 125.6159 | 41.8597 | 3.99271 |
| 14000 | 5.7665 | -6.6115 | 3.9946 | 125.7782 | 41.7227 | 3.99508 |
| 14100 | 5.7679 | -6.6149 | 3.9974 | 125.9113 | 41.5594 | 3.99787 |
| 14200 | 5.7696 | -6.6183 | 4.0007 | 126.0769 | 41.4317 | 4.00118 |
| 14300 | 5.7715 | -6.6217 | 4.0046 | 126.2566 | 41.3212 | 4.00506 |
| 14400 | 5.7736 | -6.6253 | 4.0091 | 126.4533 | 41.2302 | 4.00961 |
| 14500 | 5.7759 | -6.6288 | 4.0145 | 126.6686 | 41.1604 | 4.01493 |
| 14600 | 5.7784 | -6.6325 | 4.0206 | 126.9051 | 41.1143 | 4.02113 |
| 14700 | 5.7811 | -6.6362 | 4.0278 | 127.1663 | 41.0950 | 4.02831 |
| 14800 | 5.7842 | -6.6401 | 4.0361 | 127.4548 | 41.1048 | 4.03662 |
| 14900 | 5.7875 | -6.6440 | 4.0457 | 127.7736 | 41.1467 | 4.04618 |
| 15000 | 5.7912 | -6.6481 | 4.0567 | 128.1261 | 41.2238 | 4.05715 |

LOG P=-4.2

| T    | LOG H/R | LOG RHC | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5417  | -3.7636 | 1.0000 | 29.7541 | 3.4806 | 1.00000 |
| 200  | 2.8434  | -4.0646 | 1.0000 | 32.1730 | 3.4862 | 1.00000 |
| 300  | 3.0198  | -4.2407 | 1.0000 | 33.5898 | 3.4891 | 1.00000 |
| 400  | 3.1455  | -4.3657 | 1.0000 | 34.6000 | 3.4952 | 1.00000 |
| 500  | 3.2440  | -4.4626 | 1.0000 | 35.3942 | 3.5074 | 1.00000 |
| 600  | 3.3256  | -4.5418 | 1.0000 | 36.0540 | 3.5270 | 1.00000 |
| 700  | 3.3955  | -4.6087 | 1.0000 | 36.6250 | 3.5516 | 1.00000 |
| 800  | 3.4572  | -4.6667 | 1.0000 | 37.1304 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -4.7178 | 1.0000 | 37.5860 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -4.7636 | 1.0000 | 38.0011 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -4.8050 | 1.0000 | 38.3835 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -4.8428 | 1.0000 | 38.7394 | 3.7122 | 1.00000 |

|      |        |         |        |         |         |         |
|------|--------|---------|--------|---------|---------|---------|
| 1300 | 3.6874 | -4.8775 | 1.0000 | 39.0704 | 3.7452  | 1.00000 |
| 1400 | 3.7234 | -4.9097 | 1.0000 | 39.3814 | 3.7779  | 1.00000 |
| 1500 | 3.7571 | -4.9397 | 1.0000 | 39.6795 | 3.8106  | 1.00000 |
| 1500 | 3.7575 | -4.9400 | 1.0001 | 39.6808 | 3.8142  | 1.00011 |
| 1600 | 3.7904 | -4.9682 | 1.0004 | 39.9714 | 3.8576  | 1.00041 |
| 1700 | 3.8237 | -4.9949 | 1.0013 | 40.2686 | 3.9195  | 1.00127 |
| 1800 | 3.8597 | -5.0206 | 1.0034 | 40.5980 | 4.0219  | 1.00344 |
| 1900 | 3.9026 | -5.0462 | 1.0083 | 41.0032 | 4.2052  | 1.00834 |
| 2000 | 3.9569 | -5.0728 | 1.0183 | 41.5484 | 4.5275  | 1.01828 |
| 2100 | 4.0261 | -5.1016 | 1.0363 | 42.3111 | 5.0571  | 1.03632 |
| 2200 | 4.1087 | -5.1337 | 1.0651 | 43.3442 | 5.8385  | 1.06507 |
| 2300 | 4.1945 | -5.1683 | 1.1034 | 44.5909 | 6.8043  | 1.10337 |
| 2400 | 4.2681 | -5.2022 | 1.1432 | 45.8214 | 7.7249  | 1.14316 |
| 2500 | 4.3192 | -5.2313 | 1.1737 | 46.7660 | 8.3409  | 1.17366 |
| 2600 | 4.3499 | -5.2549 | 1.1915 | 47.3665 | 8.6081  | 1.19145 |
| 2700 | 4.3686 | -5.2745 | 1.2003 | 47.7385 | 8.6534  | 1.20032 |
| 2800 | 4.3816 | -5.2919 | 1.2046 | 47.9977 | 8.5992  | 1.20464 |
| 2900 | 4.3923 | -5.3079 | 1.2069 | 48.2075 | 8.5088  | 1.20694 |
| 3000 | 4.4021 | -5.3232 | 1.2085 | 48.3984 | 8.4125  | 1.20845 |
| 3100 | 4.4118 | -5.3379 | 1.2098 | 48.5866 | 8.3267  | 1.20981 |
| 3200 | 4.4222 | -5.3523 | 1.2115 | 48.7842 | 8.2608  | 1.21146 |
| 3300 | 4.4337 | -5.3665 | 1.2138 | 49.0032 | 8.2262  | 1.21379 |
| 3400 | 4.4472 | -5.3807 | 1.2173 | 49.2583 | 8.2361  | 1.21731 |
| 3500 | 4.4635 | -5.3952 | 1.2226 | 49.5679 | 8.3057  | 1.22262 |
| 3600 | 4.4836 | -5.4103 | 1.2306 | 49.9562 | 8.4583  | 1.23057 |
| 3700 | 4.5087 | -5.4263 | 1.2422 | 50.4523 | 8.7191  | 1.24222 |
| 3800 | 4.5400 | -5.4436 | 1.2589 | 51.0938 | 9.1236  | 1.25893 |
| 3900 | 4.5782 | -5.4629 | 1.2823 | 51.9219 | 9.7075  | 1.28232 |
| 4000 | 4.6237 | -5.4846 | 1.3142 | 52.9820 | 10.5119 | 1.31423 |
| 4100 | 4.6764 | -5.5091 | 1.3566 | 54.3190 | 11.5769 | 1.35661 |
| 4200 | 4.7346 | -5.5366 | 1.4109 | 55.9608 | 12.9239 | 1.41088 |
| 4300 | 4.7963 | -5.5669 | 1.4776 | 57.9083 | 14.5491 | 1.47757 |
| 4400 | 4.8578 | -5.5990 | 1.5547 | 60.0953 | 16.3808 | 1.55472 |
| 4500 | 4.9156 | -5.6314 | 1.6381 | 62.3996 | 18.2955 | 1.63805 |
| 4600 | 4.9659 | -5.6622 | 1.7201 | 64.6242 | 20.0977 | 1.72006 |
| 4700 | 5.0068 | -5.6896 | 1.7934 | 66.5864 | 21.6111 | 1.79341 |
| 4800 | 5.0379 | -5.7130 | 1.8531 | 68.1731 | 22.7306 | 1.85307 |
| 4900 | 5.0603 | -5.7323 | 1.8978 | 69.3685 | 23.4496 | 1.89778 |
| 5000 | 5.0762 | -5.7482 | 1.9294 | 70.2312 | 23.8344 | 1.92937 |
| 5100 | 5.0873 | -5.7616 | 1.9507 | 70.8415 | 23.9707 | 1.95073 |
| 5200 | 5.0952 | -5.7732 | 1.9650 | 71.2803 | 23.9444 | 1.96502 |
| 5300 | 5.1012 | -5.7836 | 1.9746 | 71.6083 | 23.8179 | 1.97463 |
| 5400 | 5.1059 | -5.7932 | 1.9812 | 71.8671 | 23.6334 | 1.98124 |
| 5500 | 5.1099 | -5.8022 | 1.9860 | 72.0847 | 23.4195 | 1.98602 |
| 5600 | 5.1136 | -5.8108 | 1.9897 | 72.2792 | 23.1942 | 1.98972 |
| 5700 | 5.1170 | -5.8192 | 1.9929 | 72.4635 | 22.9698 | 1.99287 |
| 5800 | 5.1205 | -5.8274 | 1.9959 | 72.6463 | 22.7546 | 1.99586 |
| 5900 | 5.1241 | -5.8355 | 1.9990 | 72.8341 | 22.5549 | 1.99896 |
| 6000 | 5.1279 | -5.8436 | 2.0024 | 73.0325 | 22.3752 | 2.00239 |
| 6100 | 5.1321 | -5.8516 | 2.0063 | 73.2460 | 22.2202 | 2.00635 |
| 6200 | 5.1367 | -5.8597 | 2.0110 | 73.4798 | 22.0939 | 2.01104 |
| 6300 | 5.1418 | -5.8678 | 2.0167 | 73.7386 | 21.9999 | 2.01666 |
| 6400 | 5.1475 | -5.8761 | 2.0234 | 74.0273 | 21.9427 | 2.02341 |
| 6500 | 5.1539 | -5.8846 | 2.0315 | 74.3516 | 21.9269 | 2.03152 |
| 6600 | 5.1611 | -5.8933 | 2.0412 | 74.7171 | 21.9575 | 2.04124 |
| 6700 | 5.1693 | -5.9023 | 2.0528 | 75.1303 | 22.0400 | 2.05285 |
| 6800 | 5.1785 | -5.9116 | 2.0666 | 75.5980 | 22.1802 | 2.06663 |
| 6900 | 5.1888 | -5.9214 | 2.0829 | 76.1277 | 22.3848 | 2.08293 |
| 7000 | 5.2004 | -5.9316 | 2.1021 | 76.7275 | 22.6605 | 2.10211 |
| 7100 | 5.2133 | -5.9424 | 2.1245 | 77.4055 | 23.0148 | 2.12456 |
| 7200 | 5.2276 | -5.9538 | 2.1507 | 78.1713 | 23.4557 | 2.15072 |
| 7300 | 5.2434 | -5.9658 | 2.1809 | 79.0336 | 23.9908 | 2.18101 |
| 7400 | 5.2607 | -5.9786 | 2.2158 | 80.0018 | 24.6284 | 2.21590 |
| 7500 | 5.2795 | -5.9922 | 2.2557 | 81.0848 | 25.3759 | 2.25585 |
| 7600 | 5.2998 | -6.0066 | 2.3012 | 82.2917 | 26.2411 | 2.30136 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 7700  | 5.3215 | -6.0219 | 2.3526 | 83.6285  | 27.2288 | 2.35278 |
| 7800  | 5.3446 | -6.0380 | 2.4103 | 85.1017  | 28.3436 | 2.41049 |
| 7900  | 5.3687 | -6.0550 | 2.4744 | 86.7125  | 29.5855 | 2.47470 |
| 8000  | 5.3938 | -6.0727 | 2.5452 | 88.4604  | 30.9526 | 2.54550 |
| 8100  | 5.4195 | -6.0910 | 2.6223 | 90.3370  | 32.4356 | 2.62267 |
| 8200  | 5.4456 | -6.1099 | 2.7054 | 92.3309  | 34.0217 | 2.70582 |
| 8300  | 5.4716 | -6.1291 | 2.7937 | 94.4213  | 35.6895 | 2.79414 |
| 8400  | 5.4973 | -6.1484 | 2.8860 | 96.5821  | 37.4126 | 2.88656 |
| 8500  | 5.5222 | -6.1676 | 2.9810 | 98.7794  | 39.1570 | 2.98160 |
| 8600  | 5.5461 | -6.1865 | 3.0769 | 100.9755 | 40.8853 | 3.07758 |
| 8700  | 5.5685 | -6.2047 | 3.1719 | 103.1312 | 42.5589 | 3.17268 |
| 8800  | 5.5893 | -6.2221 | 3.2642 | 105.2079 | 44.1398 | 3.26504 |
| 8900  | 5.6083 | -6.2386 | 3.3521 | 107.1698 | 45.5947 | 3.35290 |
| 9000  | 5.6254 | -6.2539 | 3.4340 | 108.9909 | 46.8992 | 3.43491 |
| 9100  | 5.6406 | -6.2681 | 3.5091 | 110.6533 | 48.0371 | 3.51006 |
| 9200  | 5.6540 | -6.2811 | 3.5768 | 112.1468 | 49.0005 | 3.57772 |
| 9300  | 5.6656 | -6.2931 | 3.6367 | 113.4715 | 49.7911 | 3.63771 |
| 9400  | 5.6757 | -6.3039 | 3.6892 | 114.6339 | 50.4176 | 3.69022 |
| 9500  | 5.6844 | -6.3138 | 3.7346 | 115.6444 | 50.8919 | 3.73561 |
| 9600  | 5.6918 | -6.3229 | 3.7735 | 116.5182 | 51.2310 | 3.77450 |
| 9700  | 5.6982 | -6.3312 | 3.8065 | 117.2706 | 51.4512 | 3.80755 |
| 9800  | 5.7036 | -6.3388 | 3.8344 | 117.9172 | 51.5694 | 3.83547 |
| 9900  | 5.7083 | -6.3459 | 3.8579 | 118.4737 | 51.6020 | 3.85895 |
| 10000 | 5.7123 | -6.3524 | 3.8776 | 118.9533 | 51.5629 | 3.87864 |
| 10100 | 5.7158 | -6.3586 | 3.8941 | 119.3683 | 51.4653 | 3.89509 |
| 10200 | 5.7189 | -6.3644 | 3.9079 | 119.7297 | 51.3202 | 3.90885 |
| 10300 | 5.7216 | -6.3699 | 3.9193 | 120.0457 | 51.1364 | 3.92033 |
| 10400 | 5.7239 | -6.3752 | 3.9289 | 120.3249 | 50.9225 | 3.92991 |
| 10500 | 5.7261 | -6.3802 | 3.9370 | 120.5729 | 50.6844 | 3.93792 |
| 10600 | 5.7280 | -6.3851 | 3.9437 | 120.7956 | 50.4278 | 3.94462 |
| 10700 | 5.7297 | -6.3898 | 3.9493 | 120.9971 | 50.1570 | 3.95024 |
| 10800 | 5.7313 | -6.3943 | 3.9540 | 121.1810 | 49.8756 | 3.95495 |
| 10900 | 5.7328 | -6.3988 | 3.9580 | 121.3500 | 49.5863 | 3.95891 |
| 11000 | 5.7342 | -6.4031 | 3.9614 | 121.5070 | 49.2918 | 3.96224 |
| 11100 | 5.7355 | -6.4073 | 3.9642 | 121.6538 | 48.9937 | 3.96506 |
| 11200 | 5.7367 | -6.4115 | 3.9666 | 121.7921 | 48.6941 | 3.96743 |
| 11300 | 5.7379 | -6.4156 | 3.9686 | 121.9231 | 48.3936 | 3.96946 |
| 11400 | 5.7390 | -6.4196 | 3.9703 | 122.0480 | 48.0934 | 3.97118 |
| 11500 | 5.7401 | -6.4235 | 3.9718 | 122.1678 | 47.7945 | 3.97264 |
| 11600 | 5.7411 | -6.4274 | 3.9731 | 122.2831 | 47.4972 | 3.97390 |
| 11700 | 5.7422 | -6.4313 | 3.9742 | 122.3948 | 47.2024 | 3.97498 |
| 11800 | 5.7432 | -6.4351 | 3.9751 | 122.5029 | 46.9102 | 3.97590 |
| 11900 | 5.7441 | -6.4388 | 3.9759 | 122.6084 | 46.6211 | 3.97671 |
| 12000 | 5.7451 | -6.4426 | 3.9767 | 122.7118 | 46.3353 | 3.97740 |
| 12100 | 5.7460 | -6.4462 | 3.9773 | 122.8128 | 46.0532 | 3.97803 |
| 12200 | 5.7470 | -6.4499 | 3.9778 | 122.9124 | 45.7746 | 3.97857 |
| 12300 | 5.7479 | -6.4535 | 3.9783 | 123.0103 | 45.5002 | 3.97906 |
| 12400 | 5.7488 | -6.4570 | 3.9788 | 123.1071 | 45.2296 | 3.97951 |
| 12500 | 5.7498 | -6.4606 | 3.9792 | 123.2030 | 44.9634 | 3.97994 |
| 12600 | 5.7507 | -6.4641 | 3.9797 | 123.2982 | 44.7013 | 3.98034 |
| 12700 | 5.7516 | -6.4675 | 3.9801 | 123.3931 | 44.4438 | 3.98073 |
| 12800 | 5.7525 | -6.4710 | 3.9805 | 123.4877 | 44.1909 | 3.98114 |
| 12900 | 5.7535 | -6.4744 | 3.9809 | 123.5827 | 43.9428 | 3.98155 |
| 13000 | 5.7544 | -6.4778 | 3.9813 | 123.6780 | 43.6997 | 3.98199 |
| 13100 | 5.7554 | -6.4812 | 3.9818 | 123.7740 | 43.4618 | 3.98248 |
| 13200 | 5.7564 | -6.4846 | 3.9824 | 123.8713 | 43.2296 | 3.98303 |
| 13300 | 5.7574 | -6.4879 | 3.9830 | 123.9704 | 43.0032 | 3.98365 |
| 13400 | 5.7584 | -6.4913 | 3.9838 | 124.0715 | 42.7831 | 3.98437 |
| 13500 | 5.7594 | -6.4946 | 3.9846 | 124.1755 | 42.5697 | 3.98521 |
| 13600 | 5.7605 | -6.4979 | 3.9856 | 124.2830 | 42.3637 | 3.98619 |
| 13700 | 5.7617 | -6.5012 | 3.9868 | 124.3945 | 42.1657 | 3.98735 |
| 13800 | 5.7629 | -6.5045 | 3.9881 | 124.5112 | 41.9764 | 3.98872 |
| 13900 | 5.7642 | -6.5078 | 3.9898 | 124.6338 | 41.7967 | 3.99033 |
| 14000 | 5.7657 | -6.5111 | 3.9917 | 124.7837 | 41.6476 | 3.99224 |
| 14100 | 5.7670 | -6.5145 | 3.9939 | 124.9021 | 41.4703 | 3.99450 |
| 14200 | 5.7685 | -6.5178 | 3.9966 | 125.0505 | 41.3261 | 3.99716 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 14300 | 5.7702 | -6.5212 | 3.9997 | 125.2102 | 41.1964 | 4.00029 |
| 14400 | 5.7720 | -6.5247 | 4.0034 | 125.3837 | 41.0829 | 4.00396 |
| 14500 | 5.7740 | -6.5281 | 4.0077 | 125.5721 | 40.9874 | 4.00826 |
| 14600 | 5.7762 | -6.5317 | 4.0127 | 125.7778 | 40.9119 | 4.01328 |
| 14700 | 5.7786 | -6.5352 | 4.0186 | 126.0037 | 40.8586 | 4.01910 |
| 14800 | 5.7812 | -6.5389 | 4.0253 | 126.2520 | 40.8300 | 4.02585 |
| 14900 | 5.7842 | -6.5427 | 4.0331 | 126.5254 | 40.8284 | 4.03364 |
| 15000 | 5.7874 | -6.5466 | 4.0421 | 126.8268 | 40.8569 | 4.04261 |

LCG P=-4.1

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT    | Z*      |
|------|---------|---------|--------|---------|---------|---------|
| 100  | 2.5417  | -3.6636 | 1.0000 | 29.5235 | 3.4806  | 1.00000 |
| 200  | 2.8434  | -3.9646 | 1.0000 | 31.9426 | 3.4862  | 1.00000 |
| 300  | 3.0198  | -4.1407 | 1.0000 | 33.3596 | 3.4891  | 1.00000 |
| 400  | 3.1455  | -4.2657 | 1.0000 | 34.3700 | 3.4952  | 1.00000 |
| 500  | 3.2440  | -4.3626 | 1.0000 | 35.1639 | 3.5074  | 1.00000 |
| 600  | 3.3256  | -4.4418 | 1.0000 | 35.8240 | 3.5270  | 1.00000 |
| 700  | 3.3955  | -4.5087 | 1.0000 | 36.3950 | 3.5516  | 1.00000 |
| 800  | 3.4572  | -4.5667 | 1.0000 | 36.9002 | 3.5817  | 1.00000 |
| 900  | 3.5121  | -4.6178 | 1.0000 | 37.3560 | 3.6129  | 1.00000 |
| 1000 | 3.5619  | -4.6636 | 1.0000 | 37.7705 | 3.6467  | 1.00000 |
| 1100 | 3.6071  | -4.7050 | 1.0000 | 38.1530 | 3.6791  | 1.00000 |
| 1200 | 3.6488  | -4.7428 | 1.0000 | 38.5091 | 3.7122  | 1.00000 |
| 1300 | 3.6874  | -4.7775 | 1.0000 | 38.8402 | 3.7452  | 1.00000 |
| 1400 | 3.7234  | -4.8097 | 1.0000 | 39.1514 | 3.7779  | 1.00000 |
| 1500 | 3.7571  | -4.8397 | 1.0000 | 39.4480 | 3.8106  | 1.00000 |
| 1500 | 3.7574  | -4.8400 | 1.0001 | 39.4500 | 3.8137  | 1.00010 |
| 1600 | 3.7903  | -4.8681 | 1.0004 | 39.7393 | 3.8559  | 1.00037 |
| 1700 | 3.8231  | -4.8948 | 1.0011 | 40.0330 | 3.9145  | 1.00114 |
| 1800 | 3.8583  | -4.9205 | 1.0031 | 40.3544 | 4.0092  | 1.00307 |
| 1900 | 3.8996  | -4.9458 | 1.0075 | 40.7424 | 4.1764  | 1.00745 |
| 2000 | 3.9512  | -4.9719 | 1.0164 | 41.2554 | 4.4687  | 1.01636 |
| 2100 | 4.0169  | -5.0000 | 1.0327 | 41.9663 | 4.9505  | 1.03266 |
| 2200 | 4.0961  | -5.0312 | 1.0591 | 42.9324 | 5.6713  | 1.05905 |
| 2300 | 4.1807  | -5.0651 | 1.0953 | 44.1242 | 6.5907  | 1.09531 |
| 2400 | 4.2564  | -5.0991 | 1.1350 | 45.3531 | 7.5189  | 1.13501 |
| 2500 | 4.3115  | -5.1291 | 1.1676 | 46.3512 | 8.1957  | 1.16763 |
| 2600 | 4.3458  | -5.1536 | 1.1879 | 47.0116 | 8.5272  | 1.18791 |
| 2700 | 4.3665  | -5.1738 | 1.1984 | 47.4212 | 8.6123  | 1.19841 |
| 2800 | 4.3805  | -5.1915 | 1.2036 | 47.6991 | 8.5778  | 1.20359 |
| 2900 | 4.3916  | -5.2077 | 1.2063 | 47.9169 | 8.4961  | 1.20631 |
| 3000 | 4.4016  | -5.2230 | 1.2080 | 48.1105 | 8.4028  | 1.20800 |
| 3100 | 4.4113  | -5.2378 | 1.2094 | 48.2979 | 8.3165  | 1.20940 |
| 3200 | 4.4215  | -5.2521 | 1.2110 | 48.4916 | 8.2471  | 1.21098 |
| 3300 | 4.4326  | -5.2663 | 1.2131 | 48.7032 | 8.2056  | 1.21313 |
| 3400 | 4.4455  | -5.2804 | 1.2163 | 48.9461 | 8.2041  | 1.21631 |
| 3500 | 4.4609  | -5.2947 | 1.2211 | 49.2371 | 8.2563  | 1.22109 |
| 3600 | 4.4797  | -5.3094 | 1.2282 | 49.5977 | 8.3830  | 1.22821 |
| 3700 | 4.5030  | -5.3250 | 1.2386 | 50.0545 | 8.6068  | 1.23862 |
| 3800 | 4.5321  | -5.3418 | 1.2536 | 50.6410 | 8.9599  | 1.25356 |
| 3900 | 4.5676  | -5.3603 | 1.2745 | 51.3949 | 9.4749  | 1.27452 |
| 4000 | 4.6102  | -5.3809 | 1.3032 | 52.3586 | 10.1898 | 1.30318 |
| 4100 | 4.6598  | -5.4042 | 1.3414 | 53.5757 | 11.1441 | 1.34140 |
| 4200 | 4.7154  | -5.4304 | 1.3907 | 55.0783 | 12.3639 | 1.39074 |
| 4300 | 4.7752  | -5.4593 | 1.4521 | 56.8798 | 13.8577 | 1.45214 |
| 4400 | 4.8360  | -5.4905 | 1.5246 | 58.9386 | 15.5782 | 1.52455 |
| 4500 | 4.8946  | -5.5225 | 1.6049 | 61.1640 | 17.4330 | 1.60491 |
| 4600 | 4.9473  | -5.5537 | 1.6869 | 63.3871 | 19.2528 | 1.68691 |
| 4700 | 4.9914  | -5.5823 | 1.7634 | 65.4269 | 20.8611 | 1.76337 |
| 4800 | 5.0261  | -5.6071 | 1.8283 | 67.1424 | 22.1236 | 1.82827 |
| 4900 | 5.0518  | -5.6279 | 1.8788 | 68.4777 | 22.9934 | 1.87878 |
| 5000 | 5.0702  | -5.6451 | 1.9156 | 69.4642 | 23.5099 | 1.91560 |
| 5100 | 5.0832  | -5.6595 | 1.9411 | 70.1691 | 23.7466 | 1.94106 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 5200  | 5.0924 | -5.6717 | 1.9583 | 70.6751  | 23.7910 | 1.95831 |
| 5300  | 5.0992 | -5.6826 | 1.9700 | 71.0483  | 23.7120 | 1.96997 |
| 5400  | 5.1045 | -5.6925 | 1.9779 | 71.3360  | 23.5582 | 1.97793 |
| 5500  | 5.1089 | -5.7017 | 1.9836 | 71.5714  | 23.3632 | 1.98358 |
| 5600  | 5.1127 | -5.7104 | 1.9878 | 71.7757  | 23.1485 | 1.98780 |
| 5700  | 5.1163 | -5.7189 | 1.9912 | 71.9642  | 22.9291 | 1.99124 |
| 5800  | 5.1197 | -5.7271 | 1.9943 | 72.1468  | 22.7146 | 1.99433 |
| 5900  | 5.1233 | -5.7352 | 1.9974 | 72.3311  | 22.5119 | 1.99738 |
| 6000  | 5.1270 | -5.7432 | 2.0006 | 72.5227  | 22.3263 | 2.00064 |
| 6100  | 5.1310 | -5.7512 | 2.0043 | 72.7265  | 22.1625 | 2.00431 |
| 6200  | 5.1353 | -5.7591 | 2.0086 | 72.9475  | 22.0242 | 2.00859 |
| 6300  | 5.1401 | -5.7672 | 2.0137 | 73.1900  | 21.9153 | 2.01367 |
| 6400  | 5.1454 | -5.7753 | 2.0197 | 73.4587  | 21.8396 | 2.01974 |
| 6500  | 5.1514 | -5.7836 | 2.0270 | 73.7588  | 21.8013 | 2.02701 |
| 6600  | 5.1581 | -5.7921 | 2.0357 | 74.0954  | 21.8051 | 2.03570 |
| 6700  | 5.1656 | -5.8008 | 2.0461 | 74.4742  | 21.8557 | 2.04607 |
| 6800  | 5.1741 | -5.8099 | 2.0584 | 74.9015  | 21.9585 | 2.05837 |
| 6900  | 5.1836 | -5.8193 | 2.0729 | 75.3841  | 22.1195 | 2.07293 |
| 7000  | 5.1943 | -5.8291 | 2.0900 | 75.9290  | 22.3446 | 2.09004 |
| 7100  | 5.2061 | -5.8394 | 2.1100 | 76.5438  | 22.6405 | 2.11008 |
| 7200  | 5.2193 | -5.8503 | 2.1334 | 77.2371  | 23.0146 | 2.13344 |
| 7300  | 5.2339 | -5.8617 | 2.1604 | 78.0170  | 23.4741 | 2.16050 |
| 7400  | 5.2499 | -5.8739 | 2.1916 | 78.8922  | 24.0264 | 2.19171 |
| 7500  | 5.2674 | -5.8867 | 2.2274 | 79.8712  | 24.6787 | 2.22750 |
| 7600  | 5.2863 | -5.9004 | 2.2682 | 80.9629  | 25.4386 | 2.26833 |
| 7700  | 5.3066 | -5.9148 | 2.3144 | 82.1739  | 26.3115 | 2.31458 |
| 7800  | 5.3283 | -5.9301 | 2.3664 | 83.5114  | 27.3032 | 2.36665 |
| 7900  | 5.3512 | -5.9461 | 2.4246 | 84.9783  | 28.4154 | 2.42481 |
| 8000  | 5.3751 | -5.9630 | 2.4890 | 86.5772  | 29.6492 | 2.48927 |
| 8100  | 5.3998 | -5.9805 | 2.5596 | 88.3040  | 30.9993 | 2.56000 |
| 8200  | 5.4251 | -5.9987 | 2.6364 | 90.1521  | 32.4583 | 2.63682 |
| 8300  | 5.4507 | -6.0173 | 2.7188 | 92.1086  | 34.0118 | 2.71927 |
| 8400  | 5.4762 | -6.0362 | 2.8060 | 94.1536  | 35.6396 | 2.80657 |
| 8500  | 5.5013 | -6.0552 | 2.8970 | 96.2604  | 37.3143 | 2.89757 |
| 8600  | 5.5256 | -6.0741 | 2.9902 | 98.3972  | 39.0046 | 2.99091 |
| 8700  | 5.5489 | -6.0925 | 3.0842 | 100.5286 | 40.6754 | 3.08496 |
| 8800  | 5.5707 | -6.1104 | 3.1772 | 102.6180 | 42.2907 | 3.17799 |
| 8900  | 5.5910 | -6.1274 | 3.2674 | 104.6267 | 43.8151 | 3.26824 |
| 9000  | 5.6096 | -6.1436 | 3.3532 | 106.5298 | 45.2191 | 3.35415 |
| 9100  | 5.6263 | -6.1586 | 3.4335 | 108.2973 | 46.4800 | 3.43445 |
| 9200  | 5.6412 | -6.1726 | 3.5071 | 109.9128 | 47.5816 | 3.50812 |
| 9300  | 5.6544 | -6.1854 | 3.5736 | 111.3683 | 48.5176 | 3.57463 |
| 9400  | 5.6659 | -6.1972 | 3.6327 | 112.6637 | 49.2898 | 3.63382 |
| 9500  | 5.6759 | -6.2080 | 3.6846 | 113.8027 | 49.9041 | 3.68572 |
| 9600  | 5.6845 | -6.2178 | 3.7297 | 114.7976 | 50.3739 | 3.73080 |
| 9700  | 5.6919 | -6.2268 | 3.7684 | 115.6607 | 50.7132 | 3.76956 |
| 9800  | 5.6983 | -6.2350 | 3.8015 | 116.4066 | 50.9380 | 3.80266 |
| 9900  | 5.7038 | -6.2426 | 3.8296 | 117.0507 | 51.0640 | 3.83075 |
| 10000 | 5.7085 | -6.2497 | 3.8534 | 117.6068 | 51.1065 | 3.85449 |
| 10100 | 5.7126 | -6.2563 | 3.8733 | 118.0874 | 51.0788 | 3.87446 |
| 10200 | 5.7161 | -6.2624 | 3.8901 | 118.5050 | 50.9934 | 3.89126 |
| 10300 | 5.7192 | -6.2682 | 3.9042 | 118.8687 | 50.8604 | 3.90533 |
| 10400 | 5.7220 | -6.2737 | 3.9161 | 119.1882 | 50.6892 | 3.91714 |
| 10500 | 5.7244 | -6.2790 | 3.9260 | 119.4704 | 50.4872 | 3.92703 |
| 10600 | 5.7265 | -6.2840 | 3.9343 | 119.7216 | 50.2610 | 3.93533 |
| 10700 | 5.7285 | -6.2889 | 3.9413 | 119.9472 | 50.0156 | 3.94231 |
| 10800 | 5.7303 | -6.2936 | 3.9471 | 120.1514 | 49.7556 | 3.94817 |
| 10900 | 5.7319 | -6.2981 | 3.9521 | 120.3374 | 49.4844 | 3.95310 |
| 11000 | 5.7334 | -6.3025 | 3.9563 | 120.5086 | 49.2050 | 3.95726 |
| 11100 | 5.7348 | -6.3069 | 3.9598 | 120.6673 | 48.9196 | 3.96078 |
| 11200 | 5.7361 | -6.3111 | 3.9628 | 120.8158 | 48.6306 | 3.96375 |
| 11300 | 5.7374 | -6.3152 | 3.9653 | 120.9552 | 48.3392 | 3.96628 |
| 11400 | 5.7386 | -6.3193 | 3.9675 | 121.0873 | 48.0467 | 3.96842 |
| 11500 | 5.7397 | -6.3233 | 3.9693 | 121.2132 | 47.7541 | 3.97025 |
| 11600 | 5.7408 | -6.3272 | 3.9709 | 121.3335 | 47.4623 | 3.97182 |
| 11700 | 5.7419 | -6.3311 | 3.9723 | 121.4495 | 47.1720 | 3.97316 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 11800 | 5.7429 | -6.3349 | 3.9734 | 121.5613 | 46.8837 | 3.97431 |
| 11900 | 5.7439 | -6.3387 | 3.9745 | 121.6699 | 46.5979 | 3.97532 |
| 12000 | 5.7449 | -6.3424 | 3.9753 | 121.7757 | 46.3148 | 3.97618 |
| 12100 | 5.7459 | -6.3461 | 3.9761 | 121.8789 | 46.0349 | 3.97694 |
| 12200 | 5.7468 | -6.3498 | 3.9768 | 121.9802 | 45.7583 | 3.97760 |
| 12300 | 5.7478 | -6.3534 | 3.9774 | 122.0795 | 45.4852 | 3.97820 |
| 12400 | 5.7487 | -6.3569 | 3.9779 | 122.1773 | 45.2159 | 3.97873 |
| 12500 | 5.7496 | -6.3605 | 3.9784 | 122.2739 | 44.9504 | 3.97921 |
| 12600 | 5.7506 | -6.3640 | 3.9789 | 122.3696 | 44.6889 | 3.97966 |
| 12700 | 5.7515 | -6.3675 | 3.9793 | 122.4645 | 44.4316 | 3.98009 |
| 12800 | 5.7524 | -6.3709 | 3.9798 | 122.5589 | 44.1786 | 3.98051 |
| 12900 | 5.7534 | -6.3744 | 3.9802 | 122.6533 | 43.9300 | 3.98093 |
| 13000 | 5.7543 | -6.3778 | 3.9806 | 122.7476 | 43.6859 | 3.98136 |
| 13100 | 5.7552 | -6.3811 | 3.9811 | 122.8421 | 43.4468 | 3.98181 |
| 13200 | 5.7562 | -6.3845 | 3.9816 | 122.9376 | 43.2127 | 3.98231 |
| 13300 | 5.7572 | -6.3878 | 3.9822 | 123.0341 | 42.9840 | 3.98286 |
| 13400 | 5.7582 | -6.3912 | 3.9828 | 123.1321 | 42.7609 | 3.98347 |
| 13500 | 5.7592 | -6.3945 | 3.9835 | 123.2322 | 42.5437 | 3.98419 |
| 13600 | 5.7602 | -6.3978 | 3.9843 | 123.3348 | 42.3331 | 3.98500 |
| 13700 | 5.7613 | -6.4010 | 3.9853 | 123.4406 | 42.1295 | 3.98596 |
| 13800 | 5.7624 | -6.4043 | 3.9864 | 123.5503 | 41.9336 | 3.98708 |
| 13900 | 5.7636 | -6.4076 | 3.9878 | 123.6646 | 41.7459 | 3.98839 |
| 14000 | 5.7651 | -6.4109 | 3.9893 | 123.8045 | 41.5872 | 3.98994 |
| 14100 | 5.7662 | -6.4142 | 3.9911 | 123.9112 | 41.3987 | 3.99177 |
| 14200 | 5.7676 | -6.4175 | 3.9933 | 124.0458 | 41.2412 | 3.99392 |
| 14300 | 5.7691 | -6.4208 | 3.9958 | 124.1894 | 41.0960 | 3.99644 |
| 14400 | 5.7708 | -6.4242 | 3.9988 | 124.3439 | 40.9644 | 3.99941 |
| 14500 | 5.7725 | -6.4275 | 4.0023 | 124.5106 | 40.8480 | 4.00287 |
| 14600 | 5.7745 | -6.4310 | 4.0063 | 124.6911 | 40.7482 | 4.00692 |
| 14700 | 5.7766 | -6.4344 | 4.0110 | 124.8880 | 40.6673 | 4.01164 |
| 14800 | 5.7789 | -6.4380 | 4.0165 | 125.1033 | 40.6070 | 4.01710 |
| 14900 | 5.7814 | -6.4416 | 4.0228 | 125.3389 | 40.5694 | 4.02343 |
| 15000 | 5.7842 | -6.4453 | 4.0301 | 125.5978 | 40.5572 | 4.03072 |

LCG P=-4.0

| T    | LOG H/R | LOG RHC | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5417  | -3.5636 | 1.0000 | 29.2933 | 3.4806 | 1.00000 |
| 200  | 2.8434  | -3.8646 | 1.0000 | 31.7126 | 3.4862 | 1.00000 |
| 300  | 3.0198  | -4.0407 | 1.0000 | 33.1297 | 3.4891 | 1.00000 |
| 400  | 3.1455  | -4.1657 | 1.0000 | 34.1399 | 3.4952 | 1.00000 |
| 500  | 3.2440  | -4.2625 | 1.0000 | 34.9339 | 3.5074 | 1.00000 |
| 600  | 3.3256  | -4.3417 | 1.0000 | 35.5937 | 3.5270 | 1.00000 |
| 700  | 3.3955  | -4.4087 | 1.0000 | 36.1650 | 3.5516 | 1.00000 |
| 800  | 3.4572  | -4.4667 | 1.0000 | 36.6697 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -4.5178 | 1.0000 | 37.1256 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -4.5636 | 1.0000 | 37.5403 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -4.6050 | 1.0000 | 37.9224 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -4.6428 | 1.0000 | 38.2786 | 3.7122 | 1.00000 |
| 1300 | 3.6874  | -4.6775 | 1.0000 | 38.6097 | 3.7452 | 1.00000 |
| 1400 | 3.7234  | -4.7097 | 1.0000 | 38.9210 | 3.7779 | 1.00000 |
| 1500 | 3.7571  | -4.7402 | 1.0000 | 39.2161 | 3.8106 | 1.00000 |
| 1500 | 3.7574  | -4.7400 | 1.0001 | 39.2193 | 3.8133 | 1.00009 |
| 1600 | 3.7901  | -4.7681 | 1.0003 | 39.5074 | 3.8544 | 1.00033 |
| 1700 | 3.8226  | -4.7947 | 1.0010 | 39.7981 | 3.9101 | 1.00101 |
| 1800 | 3.8571  | -4.8203 | 1.0027 | 40.1122 | 3.9979 | 1.00273 |
| 1900 | 3.8969  | -4.8455 | 1.0067 | 40.4847 | 4.1507 | 1.00665 |
| 2000 | 3.9461  | -4.8712 | 1.0146 | 40.9688 | 4.4159 | 1.01463 |
| 2100 | 4.0083  | -4.8986 | 1.0293 | 41.6321 | 4.8537 | 1.02934 |
| 2200 | 4.0841  | -4.9289 | 1.0535 | 42.5344 | 5.5165 | 1.05347 |
| 2300 | 4.1669  | -4.9620 | 1.0875 | 43.6671 | 6.3849 | 1.08754 |
| 2400 | 4.2440  | -4.9959 | 1.1267 | 44.8817 | 7.3079 | 1.12667 |
| 2500 | 4.3030  | -5.0266 | 1.1610 | 45.9233 | 8.0360 | 1.16100 |
| 2600 | 4.3410  | -5.0521 | 1.1838 | 46.6444 | 8.4330 | 1.18380 |

|      |        |         |        |          |         |         |
|------|--------|---------|--------|----------|---------|---------|
| 2700 | 4.3640 | -5.0730 | 1.1962 | 47.0964  | 8.5633  | 1.19615 |
| 2800 | 4.3792 | -5.0910 | 1.2024 | 47.3966  | 8.5524  | 1.20235 |
| 2900 | 4.3909 | -5.1075 | 1.2056 | 47.6246  | 8.4814  | 1.20557 |
| 3000 | 4.4010 | -5.1229 | 1.2075 | 47.8219  | 8.3923  | 1.20749 |
| 3100 | 4.4108 | -5.1376 | 1.2090 | 48.0093  | 8.3063  | 1.20897 |
| 3200 | 4.4208 | -5.1520 | 1.2105 | 48.1999  | 8.2342  | 1.21051 |
| 3300 | 4.4316 | -5.1661 | 1.2125 | 48.4052  | 8.1868  | 1.21251 |
| 3400 | 4.4440 | -5.1801 | 1.2154 | 48.6374  | 8.1754  | 1.21540 |
| 3500 | 4.4585 | -5.1942 | 1.2197 | 48.9118  | 8.2120  | 1.21970 |
| 3600 | 4.4762 | -5.2087 | 1.2261 | 49.2478  | 8.3156  | 1.22608 |
| 3700 | 4.4980 | -5.2239 | 1.2354 | 49.6693  | 8.5064  | 1.23539 |
| 3800 | 4.5249 | -5.2401 | 1.2488 | 50.2065  | 8.8135  | 1.24876 |
| 3900 | 4.5580 | -5.2579 | 1.2675 | 50.8937  | 9.2663  | 1.26752 |
| 4000 | 4.5977 | -5.2776 | 1.2932 | 51.7701  | 9.9003  | 1.29323 |
| 4100 | 4.6443 | -5.2997 | 1.3277 | 52.8774  | 10.7531 | 1.32765 |
| 4200 | 4.6971 | -5.3246 | 1.3724 | 54.2495  | 11.8534 | 1.37238 |
| 4300 | 4.7546 | -5.3522 | 1.4286 | 55.9084  | 13.2182 | 1.42861 |
| 4400 | 4.8143 | -5.3822 | 1.4960 | 57.8317  | 14.8195 | 1.49600 |
| 4500 | 4.8731 | -5.4137 | 1.5726 | 59.9577  | 16.5929 | 1.57261 |
| 4600 | 4.9275 | -5.4450 | 1.6534 | 62.1475  | 18.3977 | 1.65335 |
| 4700 | 4.9746 | -5.4744 | 1.7316 | 64.2319  | 20.0683 | 1.73161 |
| 4800 | 5.0127 | -5.5006 | 1.8009 | 66.0547  | 21.4538 | 1.80089 |
| 4900 | 5.0418 | -5.5229 | 1.8571 | 67.5261  | 22.4720 | 1.85705 |
| 5000 | 5.0631 | -5.5415 | 1.8994 | 68.6436  | 23.1287 | 1.89942 |
| 5100 | 5.0782 | -5.5569 | 1.9295 | 69.4548  | 23.4778 | 1.92945 |
| 5200 | 5.0890 | -5.5699 | 1.9502 | 70.0392  | 23.6052 | 1.95017 |
| 5300 | 5.0969 | -5.5813 | 1.9643 | 70.4668  | 23.5834 | 1.96428 |
| 5400 | 5.1029 | -5.5916 | 1.9739 | 70.7904  | 23.4675 | 1.97390 |
| 5500 | 5.1077 | -5.6010 | 1.9807 | 71.0486  | 23.2967 | 1.98065 |
| 5600 | 5.1117 | -5.6099 | 1.9856 | 71.2664  | 23.0967 | 1.98557 |
| 5700 | 5.1154 | -5.6185 | 1.9894 | 71.4620  | 22.8852 | 1.98942 |
| 5800 | 5.1190 | -5.6267 | 1.9927 | 71.6468  | 22.6736 | 1.99271 |
| 5900 | 5.1225 | -5.6348 | 1.9958 | 71.8293  | 22.4699 | 1.99579 |
| 6000 | 5.1261 | -5.6428 | 1.9989 | 72.0160  | 22.2800 | 1.99894 |
| 6100 | 5.1299 | -5.6507 | 2.0024 | 72.2119  | 22.1091 | 2.00240 |
| 6200 | 5.1340 | -5.6587 | 2.0063 | 72.4218  | 21.9608 | 2.00634 |
| 6300 | 5.1386 | -5.6666 | 2.0110 | 72.6502  | 21.8388 | 2.01096 |
| 6400 | 5.1436 | -5.6746 | 2.0164 | 72.9013  | 21.7469 | 2.01643 |
| 6500 | 5.1492 | -5.6828 | 2.0230 | 73.1799  | 21.6888 | 2.02296 |
| 6600 | 5.1554 | -5.6911 | 2.0307 | 73.4908  | 21.6687 | 2.03074 |
| 6700 | 5.1624 | -5.6996 | 2.0400 | 73.8391  | 21.6911 | 2.04001 |
| 6800 | 5.1702 | -5.7083 | 2.0510 | 74.2304  | 21.7605 | 2.05099 |
| 6900 | 5.1790 | -5.7174 | 2.0640 | 74.6709  | 21.8826 | 2.06399 |
| 7000 | 5.1888 | -5.7269 | 2.0792 | 75.1670  | 22.0625 | 2.07926 |
| 7100 | 5.1997 | -5.7367 | 2.0971 | 75.7254  | 22.3063 | 2.09715 |
| 7200 | 5.2118 | -5.7471 | 2.1179 | 76.3539  | 22.6208 | 2.11800 |
| 7300 | 5.2253 | -5.7580 | 2.1421 | 77.0599  | 23.0123 | 2.14218 |
| 7400 | 5.2401 | -5.7695 | 2.1700 | 77.8515  | 23.4877 | 2.17008 |
| 7500 | 5.2563 | -5.7817 | 2.2020 | 78.7367  | 24.0539 | 2.20211 |
| 7600 | 5.2738 | -5.7946 | 2.2386 | 79.7239  | 24.7182 | 2.23869 |
| 7700 | 5.2926 | -5.8083 | 2.2800 | 80.8198  | 25.4861 | 2.28021 |
| 7800 | 5.3131 | -5.8227 | 2.3269 | 82.0320  | 26.3640 | 2.32708 |
| 7900 | 5.3347 | -5.8379 | 2.3794 | 83.3649  | 27.3548 | 2.37960 |
| 8000 | 5.3574 | -5.8539 | 2.4378 | 84.8227  | 28.4617 | 2.43807 |
| 8100 | 5.3810 | -5.8707 | 2.5022 | 86.4046  | 29.6826 | 2.50256 |
| 8200 | 5.4054 | -5.8881 | 2.5727 | 88.1082  | 31.0137 | 2.57310 |
| 8300 | 5.4302 | -5.9060 | 2.6489 | 89.9246  | 32.4456 | 2.64940 |
| 8400 | 5.4553 | -5.9244 | 2.7305 | 91.8411  | 33.9643 | 2.73100 |
| 8500 | 5.4803 | -5.9430 | 2.8155 | 93.8372  | 35.5491 | 2.81707 |
| 8600 | 5.5048 | -5.9616 | 2.9059 | 95.8882  | 37.1749 | 2.90655 |
| 8700 | 5.5285 | -5.9801 | 2.9974 | 97.9644  | 38.8121 | 2.99811 |
| 8800 | 5.5512 | -5.9982 | 3.0894 | 100.0328 | 40.4280 | 3.09024 |
| 8900 | 5.5725 | -6.0157 | 3.1804 | 102.0562 | 41.9875 | 3.18126 |
| 9000 | 5.5923 | -6.0325 | 3.2686 | 104.0073 | 43.4592 | 3.26954 |
| 9100 | 5.6105 | -6.0483 | 3.3526 | 105.8524 | 44.8164 | 3.35366 |
| 9200 | 5.6269 | -6.0631 | 3.4312 | 107.5682 | 46.0359 | 3.43229 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 9300  | 5.6416 | -6.0768 | 3.5035 | 109.1403 | 47.1048 | 3.50461 |
| 9400  | 5.6545 | -6.0895 | 3.5690 | 110.5616 | 48.0173 | 3.57012 |
| 9500  | 5.6659 | -6.1012 | 3.6274 | 111.8292 | 48.7730 | 3.62855 |
| 9600  | 5.6758 | -6.1118 | 3.6789 | 112.9498 | 49.3796 | 3.68007 |
| 9700  | 5.6844 | -6.1216 | 3.7237 | 113.9317 | 49.8472 | 3.72496 |
| 9800  | 5.6918 | -6.1306 | 3.7625 | 114.7868 | 50.1894 | 3.76375 |
| 9900  | 5.6983 | -6.1388 | 3.7958 | 115.5293 | 50.4210 | 3.79701 |
| 10000 | 5.7038 | -6.1464 | 3.8241 | 116.1726 | 50.5564 | 3.82538 |
| 10100 | 5.7086 | -6.1534 | 3.8482 | 116.7293 | 50.6099 | 3.84942 |
| 10200 | 5.7127 | -6.1600 | 3.8685 | 117.2128 | 50.5945 | 3.86978 |
| 10300 | 5.7163 | -6.1662 | 3.8857 | 117.6330 | 50.5216 | 3.88693 |
| 10400 | 5.7195 | -6.1720 | 3.9002 | 118.0008 | 50.4016 | 3.90139 |
| 10500 | 5.7223 | -6.1775 | 3.9124 | 118.3239 | 50.2431 | 3.91356 |
| 10600 | 5.7247 | -6.1827 | 3.9226 | 118.6098 | 50.0537 | 3.92380 |
| 10700 | 5.7270 | -6.1878 | 3.9313 | 118.8648 | 49.8395 | 3.93243 |
| 10800 | 5.7290 | -6.1926 | 3.9386 | 119.0937 | 49.6058 | 3.93970 |
| 10900 | 5.7308 | -6.1973 | 3.9447 | 119.3006 | 49.3567 | 3.94583 |
| 11000 | 5.7324 | -6.2018 | 3.9499 | 119.4894 | 49.0961 | 3.95101 |
| 11100 | 5.7340 | -6.2062 | 3.9543 | 119.6631 | 48.8265 | 3.95540 |
| 11200 | 5.7354 | -6.2106 | 3.9580 | 119.8242 | 48.5509 | 3.95911 |
| 11300 | 5.7368 | -6.2148 | 3.9612 | 119.9742 | 48.2708 | 3.96227 |
| 11400 | 5.7380 | -6.2189 | 3.9639 | 120.1153 | 47.9878 | 3.96496 |
| 11500 | 5.7393 | -6.2229 | 3.9662 | 120.2489 | 47.7034 | 3.96724 |
| 11600 | 5.7404 | -6.2269 | 3.9682 | 120.3757 | 47.4184 | 3.96920 |
| 11700 | 5.7415 | -6.2308 | 3.9699 | 120.4971 | 47.1340 | 3.97088 |
| 11800 | 5.7426 | -6.2347 | 3.9713 | 120.6135 | 46.8506 | 3.97232 |
| 11900 | 5.7436 | -6.2385 | 3.9726 | 120.7261 | 46.5690 | 3.97357 |
| 12000 | 5.7447 | -6.2422 | 3.9737 | 120.8352 | 46.2896 | 3.97465 |
| 12100 | 5.7457 | -6.2459 | 3.9747 | 120.9412 | 46.0125 | 3.97558 |
| 12200 | 5.7466 | -6.2496 | 3.9755 | 121.0447 | 45.7384 | 3.97640 |
| 12300 | 5.7476 | -6.2532 | 3.9762 | 121.1460 | 45.4674 | 3.97713 |
| 12400 | 5.7486 | -6.2568 | 3.9769 | 121.2452 | 45.1997 | 3.97777 |
| 12500 | 5.7495 | -6.2604 | 3.9775 | 121.3431 | 44.9355 | 3.97834 |
| 12600 | 5.7504 | -6.2639 | 3.9780 | 121.4396 | 44.6750 | 3.97886 |
| 12700 | 5.7514 | -6.2674 | 3.9785 | 121.5350 | 44.4182 | 3.97935 |
| 12800 | 5.7523 | -6.2708 | 3.9790 | 121.6297 | 44.1655 | 3.97981 |
| 12900 | 5.7532 | -6.2743 | 3.9794 | 121.7239 | 43.9169 | 3.98025 |
| 13000 | 5.7542 | -6.2777 | 3.9799 | 121.8176 | 43.6725 | 3.98069 |
| 13100 | 5.7551 | -6.2810 | 3.9803 | 121.9113 | 43.4326 | 3.98114 |
| 13200 | 5.7560 | -6.2844 | 3.9808 | 122.0054 | 43.1972 | 3.98161 |
| 13300 | 5.7570 | -6.2877 | 3.9813 | 122.1001 | 42.9668 | 3.98211 |
| 13400 | 5.7580 | -6.2911 | 3.9819 | 122.1957 | 42.7414 | 3.98266 |
| 13500 | 5.7589 | -6.2944 | 3.9825 | 122.2928 | 42.5215 | 3.98327 |
| 13600 | 5.7600 | -6.2976 | 3.9832 | 122.3918 | 42.3074 | 3.98397 |
| 13700 | 5.7610 | -6.3009 | 3.9840 | 122.4929 | 42.0994 | 3.98477 |
| 13800 | 5.7621 | -6.3042 | 3.9850 | 122.5972 | 41.8982 | 3.98570 |
| 13900 | 5.7632 | -6.3074 | 3.9861 | 122.7048 | 41.7041 | 3.98678 |
| 14000 | 5.7646 | -6.3107 | 3.9873 | 122.8368 | 41.5379 | 3.98804 |
| 14100 | 5.7656 | -6.3139 | 3.9888 | 122.9341 | 41.3404 | 3.98953 |
| 14200 | 5.7669 | -6.3172 | 3.9906 | 123.0577 | 41.1723 | 3.99126 |
| 14300 | 5.7683 | -6.3205 | 3.9926 | 123.1883 | 41.0147 | 3.99330 |
| 14400 | 5.7698 | -6.3237 | 3.9950 | 123.3276 | 40.8685 | 3.99570 |
| 14500 | 5.7713 | -6.3271 | 3.9978 | 123.4767 | 40.7352 | 3.99850 |
| 14600 | 5.7731 | -6.3304 | 4.0011 | 123.6368 | 40.6158 | 4.00177 |
| 14700 | 5.7749 | -6.3338 | 4.0049 | 123.8102 | 40.5123 | 4.00557 |
| 14800 | 5.7769 | -6.3372 | 4.0093 | 123.9984 | 40.4261 | 4.00999 |
| 14900 | 5.7791 | -6.3407 | 4.0145 | 124.2032 | 40.3590 | 4.01512 |
| 15000 | 5.7815 | -6.3442 | 4.0204 | 124.4271 | 40.3132 | 4.02103 |

LOG P=-3.9

| T   | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|-----|---------|---------|--------|---------|--------|---------|
| 100 | 2.5417  | -3.4636 | 1.0000 | 29.0633 | 3.4806 | 1.00000 |
| 200 | 2.8434  | -3.7646 | 1.0000 | 31.4824 | 3.4862 | 1.00000 |
| 300 | 3.0198  | -3.9407 | 1.0000 | 32.8994 | 3.4891 | 1.00000 |

|      |        |         |        |         |         |         |
|------|--------|---------|--------|---------|---------|---------|
| 400  | 3.1455 | -4.0657 | 1.0000 | 33.9093 | 3.4952  | 1.00000 |
| 500  | 3.2440 | -4.1625 | 1.0000 | 34.7037 | 3.5074  | 1.00000 |
| 600  | 3.3256 | -4.2417 | 1.0000 | 35.3632 | 3.5270  | 1.00000 |
| 700  | 3.3955 | -4.3087 | 1.0000 | 35.9345 | 3.5516  | 1.00000 |
| 800  | 3.4572 | -4.3667 | 1.0000 | 36.4393 | 3.5817  | 1.00000 |
| 900  | 3.5121 | -4.4178 | 1.0000 | 36.8951 | 3.6129  | 1.00000 |
| 1000 | 3.5619 | -4.4636 | 1.0000 | 37.3103 | 3.6467  | 1.00000 |
| 1100 | 3.6071 | -4.5050 | 1.0000 | 37.6924 | 3.6791  | 1.00000 |
| 1200 | 3.6488 | -4.5428 | 1.0000 | 38.0484 | 3.7122  | 1.00000 |
| 1300 | 3.6874 | -4.5775 | 1.0000 | 38.3793 | 3.7452  | 1.00000 |
| 1400 | 3.7234 | -4.6097 | 1.0000 | 38.6904 | 3.7779  | 1.00000 |
| 1500 | 3.7571 | -4.6402 | 1.0000 | 38.9855 | 3.8106  | 1.00000 |
| 1500 | 3.7573 | -4.6400 | 1.0001 | 38.9886 | 3.8129  | 1.00008 |
| 1600 | 3.7899 | -4.6681 | 1.0003 | 39.2757 | 3.8530  | 1.00029 |
| 1700 | 3.8222 | -4.6947 | 1.0009 | 39.5637 | 3.9061  | 1.00090 |
| 1800 | 3.8560 | -4.7202 | 1.0024 | 39.8713 | 3.9879  | 1.00244 |
| 1900 | 3.8945 | -4.7452 | 1.0059 | 40.2300 | 4.1277  | 1.00594 |
| 2000 | 3.9414 | -4.7705 | 1.0131 | 40.6880 | 4.3685  | 1.01308 |
| 2100 | 4.0004 | -4.7974 | 1.0263 | 41.3079 | 4.7661  | 1.02634 |
| 2200 | 4.0727 | -4.8268 | 1.0483 | 42.1497 | 5.3738  | 1.04833 |
| 2300 | 4.1533 | -4.8591 | 1.0801 | 43.2214 | 6.1887  | 1.08014 |
| 2400 | 4.2312 | -4.8926 | 1.1183 | 44.4102 | 7.0948  | 1.11826 |
| 2500 | 4.2935 | -4.9239 | 1.1538 | 45.4835 | 7.8626  | 1.15382 |
| 2600 | 4.3353 | -4.9504 | 1.1791 | 46.2640 | 8.3246  | 1.17908 |
| 2700 | 4.3610 | -4.9720 | 1.1935 | 46.7629 | 8.5049  | 1.19346 |
| 2800 | 4.3777 | -4.9905 | 1.2009 | 47.0893 | 8.5218  | 1.20086 |
| 2900 | 4.3900 | -5.0071 | 1.2047 | 47.3298 | 8.4641  | 1.20470 |
| 3000 | 4.4004 | -5.0227 | 1.2069 | 47.5322 | 8.3806  | 1.20691 |
| 3100 | 4.4102 | -5.0375 | 1.2085 | 47.7206 | 8.2959  | 1.20850 |
| 3200 | 4.4201 | -5.0518 | 1.2100 | 47.9089 | 8.2219  | 1.21004 |
| 3300 | 4.4307 | -5.0659 | 1.2119 | 48.1088 | 8.1696  | 1.21192 |
| 3400 | 4.4426 | -5.0798 | 1.2146 | 48.3316 | 8.1493  | 1.21457 |
| 3500 | 4.4564 | -5.0937 | 1.2184 | 48.5913 | 8.1722  | 1.21844 |
| 3600 | 4.4730 | -5.1080 | 1.2242 | 48.9054 | 8.2552  | 1.22416 |
| 3700 | 4.4933 | -5.1228 | 1.2325 | 49.2954 | 8.4166  | 1.23249 |
| 3800 | 4.5184 | -5.1386 | 1.2445 | 49.7885 | 8.6825  | 1.24445 |
| 3900 | 4.5491 | -5.1557 | 1.2612 | 50.4158 | 9.0795  | 1.26124 |
| 4000 | 4.5861 | -5.1746 | 1.2843 | 51.2134 | 9.6402  | 1.28429 |
| 4100 | 4.6298 | -5.1957 | 1.3153 | 52.2204 | 10.4004 | 1.31525 |
| 4200 | 4.6797 | -5.2193 | 1.3557 | 53.4714 | 11.3892 | 1.35568 |
| 4300 | 4.7349 | -5.2456 | 1.4070 | 54.9938 | 12.6299 | 1.40696 |
| 4400 | 4.7930 | -5.2744 | 1.4693 | 56.7802 | 14.1090 | 1.46928 |
| 4500 | 4.8515 | -5.3050 | 1.5416 | 58.7921 | 15.7854 | 1.54158 |
| 4600 | 4.9070 | -5.3361 | 1.6200 | 60.9200 | 17.5470 | 1.61996 |
| 4700 | 4.9565 | -5.3661 | 1.6987 | 63.0161 | 19.2474 | 1.69872 |
| 4800 | 4.9979 | -5.3934 | 1.7714 | 64.9209 | 20.7312 | 1.77136 |
| 4900 | 5.0304 | -5.4171 | 1.8327 | 66.5165 | 21.8871 | 1.83268 |
| 5000 | 5.0548 | -5.4371 | 1.8807 | 67.7667 | 22.6869 | 1.88065 |
| 5100 | 5.0723 | -5.4538 | 1.9157 | 68.6934 | 23.1592 | 1.91568 |
| 5200 | 5.0849 | -5.4677 | 1.9403 | 69.3676 | 23.3815 | 1.94034 |
| 5300 | 5.0940 | -5.4798 | 1.9574 | 69.8598 | 23.4280 | 1.95736 |
| 5400 | 5.1008 | -5.4905 | 1.9690 | 70.2274 | 23.3586 | 1.96903 |
| 5500 | 5.1062 | -5.5003 | 1.9771 | 70.5144 | 23.2183 | 1.97714 |
| 5600 | 5.1106 | -5.5094 | 1.9830 | 70.7501 | 23.0373 | 1.98295 |
| 5700 | 5.1145 | -5.5180 | 1.9874 | 70.9557 | 22.8369 | 1.98735 |
| 5800 | 5.1181 | -5.5263 | 1.9909 | 71.1451 | 22.6305 | 1.99094 |
| 5900 | 5.1216 | -5.5345 | 1.9942 | 71.3280 | 22.4280 | 1.99415 |
| 6000 | 5.1252 | -5.5424 | 1.9973 | 71.5115 | 22.2356 | 1.99727 |
| 6100 | 5.1289 | -5.5503 | 2.0006 | 71.7011 | 22.0593 | 2.00058 |
| 6200 | 5.1329 | -5.5582 | 2.0043 | 71.9019 | 21.9027 | 2.00425 |
| 6300 | 5.1372 | -5.5661 | 2.0085 | 72.1181 | 21.7695 | 2.00847 |
| 6400 | 5.1419 | -5.5740 | 2.0134 | 72.3539 | 21.6633 | 2.01343 |
| 6500 | 5.1471 | -5.5820 | 2.0193 | 72.6136 | 21.5878 | 2.01931 |
| 6600 | 5.1529 | -5.5901 | 2.0263 | 72.9018 | 21.5467 | 2.02629 |
| 6700 | 5.1594 | -5.5984 | 2.0346 | 73.2230 | 21.5440 | 2.03459 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 6800  | 5.1666 | -5.6069 | 2.0444 | 73.5823  | 21.5839 | 2.04440 |
| 6900  | 5.1747 | -5.6157 | 2.0560 | 73.9853  | 21.6712 | 2.05601 |
| 7000  | 5.1838 | -5.6248 | 2.0696 | 74.4377  | 21.8108 | 2.06964 |
| 7100  | 5.1938 | -5.6343 | 2.0856 | 74.9457  | 22.0082 | 2.08561 |
| 7200  | 5.2050 | -5.6443 | 2.1042 | 75.5162  | 22.2692 | 2.10423 |
| 7300  | 5.2174 | -5.6547 | 2.1258 | 76.1561  | 22.5998 | 2.12581 |
| 7400  | 5.2311 | -5.6657 | 2.1507 | 76.8726  | 23.0061 | 2.15073 |
| 7500  | 5.2460 | -5.6772 | 2.1793 | 77.6732  | 23.4948 | 2.17937 |
| 7600  | 5.2623 | -5.6895 | 2.2120 | 78.5658  | 24.0726 | 2.21211 |
| 7700  | 5.2800 | -5.7024 | 2.2492 | 79.5572  | 24.7451 | 2.24934 |
| 7800  | 5.2990 | -5.7160 | 2.2913 | 80.6548  | 25.5186 | 2.29145 |
| 7900  | 5.3192 | -5.7304 | 2.3385 | 81.8638  | 26.3969 | 2.33876 |
| 8000  | 5.3406 | -5.7456 | 2.3913 | 83.1892  | 27.3844 | 2.39160 |
| 8100  | 5.3630 | -5.7615 | 2.4498 | 84.6328  | 28.4808 | 2.45014 |
| 8200  | 5.3864 | -5.7781 | 2.5141 | 86.1947  | 29.6860 | 2.51453 |
| 8300  | 5.4104 | -5.7953 | 2.5842 | 87.8703  | 30.9940 | 2.58464 |
| 8400  | 5.4348 | -5.8130 | 2.6598 | 89.6524  | 32.3964 | 2.66028 |
| 8500  | 5.4593 | -5.8311 | 2.7403 | 91.5261  | 33.8779 | 2.74086 |
| 8600  | 5.4837 | -5.8494 | 2.8250 | 93.4731  | 35.4194 | 2.82564 |
| 8700  | 5.5077 | -5.8677 | 2.9128 | 95.4693  | 36.9967 | 2.91357 |
| 8800  | 5.5309 | -5.8858 | 3.0025 | 97.4865  | 38.5818 | 3.00338 |
| 8900  | 5.5530 | -5.9036 | 3.0927 | 99.4928  | 40.1433 | 3.09357 |
| 9000  | 5.5739 | -5.9207 | 3.1816 | 101.4565 | 41.6503 | 3.18262 |
| 9100  | 5.5933 | -5.9372 | 3.2680 | 103.3483 | 43.0741 | 3.26907 |
| 9200  | 5.6110 | -5.9527 | 3.3503 | 105.1390 | 44.3871 | 3.35144 |
| 9300  | 5.6272 | -5.9673 | 3.4275 | 106.8084 | 45.5704 | 3.42863 |
| 9400  | 5.6416 | -5.9809 | 3.4986 | 108.3428 | 46.6119 | 3.49984 |
| 9500  | 5.6545 | -5.9934 | 3.5632 | 109.7324 | 47.5035 | 3.56445 |
| 9600  | 5.6657 | -6.0050 | 3.6210 | 110.9772 | 48.2469 | 3.62233 |
| 9700  | 5.6756 | -6.0156 | 3.6722 | 112.0803 | 48.8470 | 3.67349 |
| 9800  | 5.6842 | -6.0253 | 3.7169 | 113.0507 | 49.3141 | 3.71829 |
| 9900  | 5.6917 | -6.0342 | 3.7558 | 113.8999 | 49.6608 | 3.75717 |
| 10000 | 5.6981 | -6.0424 | 3.7893 | 114.6399 | 49.9003 | 3.79067 |
| 10100 | 5.7037 | -6.0500 | 3.8180 | 115.2829 | 50.0462 | 3.81933 |
| 10200 | 5.7085 | -6.0571 | 3.8424 | 115.8423 | 50.1120 | 3.84379 |
| 10300 | 5.7128 | -6.0636 | 3.8632 | 116.3286 | 50.1095 | 3.86454 |
| 10400 | 5.7164 | -6.0698 | 3.8808 | 116.7535 | 50.0503 | 3.88215 |
| 10500 | 5.7197 | -6.0756 | 3.8957 | 117.1256 | 49.9440 | 3.89703 |
| 10600 | 5.7225 | -6.0812 | 3.9083 | 117.4533 | 49.7990 | 3.90961 |
| 10700 | 5.7251 | -6.0864 | 3.9190 | 117.7439 | 49.6226 | 3.92025 |
| 10800 | 5.7273 | -6.0915 | 3.9280 | 118.0030 | 49.4210 | 3.92924 |
| 10900 | 5.7294 | -6.0963 | 3.9356 | 118.2355 | 49.1991 | 3.93683 |
| 11000 | 5.7313 | -6.1010 | 3.9420 | 118.4461 | 48.9614 | 3.94327 |
| 11100 | 5.7330 | -6.1055 | 3.9475 | 118.6380 | 48.7112 | 3.94872 |
| 11200 | 5.7345 | -6.1099 | 3.9521 | 118.8146 | 48.4521 | 3.95335 |
| 11300 | 5.7360 | -6.1142 | 3.9561 | 118.9778 | 48.1859 | 3.95729 |
| 11400 | 5.7374 | -6.1184 | 3.9595 | 119.1300 | 47.9147 | 3.96064 |
| 11500 | 5.7387 | -6.1225 | 3.9624 | 119.2730 | 47.6404 | 3.96350 |
| 11600 | 5.7399 | -6.1265 | 3.9648 | 119.4078 | 47.3639 | 3.96594 |
| 11700 | 5.7411 | -6.1305 | 3.9669 | 119.5360 | 47.0868 | 3.96804 |
| 11800 | 5.7422 | -6.1344 | 3.9687 | 119.6582 | 46.8095 | 3.96984 |
| 11900 | 5.7433 | -6.1382 | 3.9703 | 119.7758 | 46.5331 | 3.97140 |
| 12000 | 5.7444 | -6.1420 | 3.9717 | 119.8891 | 46.2581 | 3.97274 |
| 12100 | 5.7454 | -6.1457 | 3.9729 | 119.9986 | 45.9850 | 3.97390 |
| 12200 | 5.7464 | -6.1494 | 3.9739 | 120.1051 | 45.7141 | 3.97491 |
| 12300 | 5.7474 | -6.1531 | 3.9748 | 120.2088 | 45.4457 | 3.97581 |
| 12400 | 5.7484 | -6.1567 | 3.9756 | 120.3102 | 45.1802 | 3.97659 |
| 12500 | 5.7493 | -6.1603 | 3.9763 | 120.4097 | 44.9178 | 3.97729 |
| 12600 | 5.7503 | -6.1638 | 3.9769 | 120.5075 | 44.6587 | 3.97790 |
| 12700 | 5.7512 | -6.1673 | 3.9775 | 120.6039 | 44.4031 | 3.97848 |
| 12800 | 5.7522 | -6.1707 | 3.9781 | 120.6992 | 44.1511 | 3.97900 |
| 12900 | 5.7531 | -6.1742 | 3.9786 | 120.7937 | 43.9030 | 3.97948 |
| 13000 | 5.7540 | -6.1776 | 3.9791 | 120.8874 | 43.6586 | 3.97996 |
| 13100 | 5.7550 | -6.1810 | 3.9795 | 120.9807 | 43.4184 | 3.98042 |
| 13200 | 5.7559 | -6.1843 | 3.9800 | 121.0741 | 43.1824 | 3.98088 |
| 13300 | 5.7568 | -6.1876 | 3.9805 | 121.1676 | 42.9509 | 3.98137 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 13400 | 5.7578 | -6.1910 | 3.9810 | 121.2616 | 42.7241 | 3.98188 |
| 13500 | 5.7587 | -6.1942 | 3.9816 | 121.3565 | 42.5022 | 3.98243 |
| 13600 | 5.7597 | -6.1975 | 3.9822 | 121.4527 | 42.2854 | 3.98305 |
| 13700 | 5.7607 | -6.2008 | 3.9829 | 121.5504 | 42.0741 | 3.98374 |
| 13800 | 5.7618 | -6.2040 | 3.9837 | 121.6504 | 41.8688 | 3.98452 |
| 13900 | 5.7628 | -6.2073 | 3.9846 | 121.7528 | 41.6699 | 3.98542 |
| 14000 | 5.7642 | -6.2105 | 3.9857 | 121.8787 | 41.4977 | 3.98647 |
| 14100 | 5.7651 | -6.2137 | 3.9869 | 121.9686 | 41.2931 | 3.98769 |
| 14200 | 5.7663 | -6.2169 | 3.9883 | 122.0834 | 41.1165 | 3.98910 |
| 14300 | 5.7676 | -6.2202 | 3.9900 | 122.2036 | 40.9489 | 3.99075 |
| 14400 | 5.7689 | -6.2234 | 3.9919 | 122.3308 | 40.7912 | 3.99270 |
| 14500 | 5.7704 | -6.2267 | 3.9942 | 122.4656 | 40.6441 | 3.99495 |
| 14600 | 5.7719 | -6.2299 | 3.9969 | 122.6092 | 40.5090 | 3.99759 |
| 14700 | 5.7736 | -6.2332 | 3.9999 | 122.7635 | 40.3872 | 4.00066 |
| 14800 | 5.7754 | -6.2366 | 4.0035 | 122.9298 | 40.2799 | 4.00423 |
| 14900 | 5.7773 | -6.2399 | 4.0077 | 123.1094 | 40.1887 | 4.00838 |
| 15000 | 5.7794 | -6.2434 | 4.0125 | 123.3044 | 40.1152 | 4.01317 |

## LCG P=-3.8

| T    | LOG H/R | LOG RHC | Z      | S/R     | H/RT    | Z*      |
|------|---------|---------|--------|---------|---------|---------|
| 100  | 2.5417  | -3.3636 | 1.0000 | 28.6331 | 3.4806  | 1.00000 |
| 200  | 2.8434  | -3.6646 | 1.0000 | 31.2519 | 3.4862  | 1.00000 |
| 300  | 3.0198  | -3.8407 | 1.0000 | 32.6688 | 3.4891  | 1.00000 |
| 400  | 3.1455  | -3.9657 | 1.0000 | 33.6790 | 3.4952  | 1.00000 |
| 500  | 3.2440  | -4.0626 | 1.0000 | 34.4732 | 3.5074  | 1.00000 |
| 600  | 3.3256  | -4.1417 | 1.0000 | 35.1330 | 3.5270  | 1.00000 |
| 700  | 3.3955  | -4.2087 | 1.0000 | 35.7040 | 3.5516  | 1.00000 |
| 800  | 3.4572  | -4.2667 | 1.0000 | 36.2094 | 3.5817  | 1.00000 |
| 900  | 3.5121  | -4.3178 | 1.0000 | 36.6650 | 3.6129  | 1.00000 |
| 1000 | 3.5619  | -4.3636 | 1.0000 | 37.0801 | 3.6467  | 1.00000 |
| 1100 | 3.6071  | -4.4050 | 1.0000 | 37.4625 | 3.6791  | 1.00000 |
| 1200 | 3.6488  | -4.4428 | 1.0000 | 37.8184 | 3.7122  | 1.00000 |
| 1300 | 3.6874  | -4.4775 | 1.0000 | 38.1493 | 3.7452  | 1.00000 |
| 1400 | 3.7234  | -4.5097 | 1.0000 | 38.4598 | 3.7779  | 1.00000 |
| 1500 | 3.7571  | -4.5363 | 1.0000 | 38.7570 | 3.8106  | 1.00000 |
| 1500 | 3.7573  | -4.5400 | 1.0001 | 38.7580 | 3.8125  | 1.00007 |
| 1600 | 3.7898  | -4.5681 | 1.0003 | 39.0442 | 3.8518  | 1.00026 |
| 1700 | 3.8218  | -4.5947 | 1.0008 | 39.3297 | 3.9026  | 1.00080 |
| 1800 | 3.8550  | -4.6201 | 1.0022 | 39.6315 | 3.9789  | 1.00218 |
| 1900 | 3.8923  | -4.6449 | 1.0053 | 39.9779 | 4.1071  | 1.00529 |
| 2000 | 3.9371  | -4.6699 | 1.0117 | 40.4123 | 4.3260  | 1.01170 |
| 2100 | 3.9931  | -4.6962 | 1.0236 | 40.9927 | 4.6870  | 1.02361 |
| 2200 | 4.0620  | -4.7248 | 1.0436 | 41.7779 | 5.2428  | 1.04361 |
| 2300 | 4.1401  | -4.7562 | 1.0731 | 42.7878 | 6.0031  | 1.07314 |
| 2400 | 4.2180  | -4.7893 | 1.1099 | 43.9414 | 6.8826  | 1.10968 |
| 2500 | 4.2832  | -4.8211 | 1.1462 | 45.0341 | 7.6780  | 1.14619 |
| 2600 | 4.3289  | -4.8484 | 1.1737 | 45.8701 | 8.2016  | 1.17373 |
| 2700 | 4.3575  | -4.8709 | 1.1903 | 46.4195 | 8.4359  | 1.19029 |
| 2800 | 4.3758  | -4.8899 | 1.1991 | 46.7764 | 8.4852  | 1.19908 |
| 2900 | 4.3889  | -4.9068 | 1.2037 | 47.0322 | 8.4438  | 1.20366 |
| 3000 | 4.3997  | -4.9224 | 1.2063 | 47.2413 | 8.3675  | 1.20625 |
| 3100 | 4.4097  | -4.9373 | 1.2080 | 47.4315 | 8.2851  | 1.20800 |
| 3200 | 4.4195  | -4.9516 | 1.2096 | 47.6184 | 8.2099  | 1.20955 |
| 3300 | 4.4299  | -4.9656 | 1.2114 | 47.8137 | 8.1535  | 1.21135 |
| 3400 | 4.4413  | -4.9795 | 1.2138 | 48.0283 | 8.1256  | 1.21378 |
| 3500 | 4.4545  | -4.9933 | 1.2173 | 48.2750 | 8.1363  | 1.21729 |
| 3600 | 4.4702  | -5.0074 | 1.2224 | 48.5697 | 8.2012  | 1.22243 |
| 3700 | 4.4892  | -5.0219 | 1.2299 | 48.9316 | 8.3363  | 1.22989 |
| 3800 | 4.5125  | -5.0373 | 1.2406 | 49.3852 | 8.5654  | 1.24059 |
| 3900 | 4.5411  | -5.0538 | 1.2556 | 49.9588 | 8.9123  | 1.25561 |
| 4000 | 4.5755  | -5.0719 | 1.2763 | 50.6853 | 9.4069  | 1.27626 |
| 4100 | 4.6164  | -5.0919 | 1.3041 | 51.6012 | 10.0828 | 1.30407 |
| 4200 | 4.6634  | -5.1144 | 1.3406 | 52.7406 | 10.9689 | 1.34055 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 4300  | 4.7160 | -5.1394 | 1.3872 | 54.1338  | 12.0916 | 1.38715 |
| 4400  | 4.7721 | -5.1670 | 1.4444 | 55.7842  | 13.4487 | 1.44444 |
| 4500  | 4.8298 | -5.1966 | 1.5121 | 57.6722  | 15.0175 | 1.51205 |
| 4600  | 4.8858 | -5.2273 | 1.5872 | 59.7166  | 16.7130 | 1.58721 |
| 4700  | 4.9372 | -5.2574 | 1.6652 | 61.7930  | 18.4115 | 1.66523 |
| 4800  | 4.9815 | -5.2856 | 1.7400 | 63.7490  | 19.9633 | 1.73998 |
| 4900  | 5.0174 | -5.3107 | 1.8057 | 65.4507  | 21.2401 | 1.80571 |
| 5000  | 5.0450 | -5.3321 | 1.8592 | 66.8305  | 22.1814 | 1.85917 |
| 5100  | 5.0652 | -5.3501 | 1.8995 | 67.8797  | 22.7848 | 1.89948 |
| 5200  | 5.0799 | -5.3651 | 1.9286 | 68.6546  | 23.1139 | 1.92857 |
| 5300  | 5.0905 | -5.3779 | 1.9490 | 69.2220  | 23.2399 | 1.94897 |
| 5400  | 5.0984 | -5.3892 | 1.9631 | 69.6425  | 23.2263 | 1.96307 |
| 5500  | 5.1044 | -5.3993 | 1.9729 | 69.9650  | 23.1237 | 1.97287 |
| 5600  | 5.1093 | -5.4087 | 1.9798 | 70.2237  | 22.9671 | 1.97980 |
| 5700  | 5.1135 | -5.4175 | 1.9849 | 70.4434  | 22.7818 | 1.98493 |
| 5800  | 5.1172 | -5.4259 | 1.9890 | 70.6402  | 22.5839 | 1.98896 |
| 5900  | 5.1208 | -5.4341 | 1.9924 | 70.8258  | 22.3847 | 1.99239 |
| 6000  | 5.1244 | -5.4421 | 1.9956 | 71.0081  | 22.1919 | 1.99558 |
| 6100  | 5.1280 | -5.4500 | 1.9988 | 71.1933  | 22.0118 | 1.99880 |
| 6200  | 5.1318 | -5.4578 | 2.0023 | 71.3866  | 21.8486 | 2.00227 |
| 6300  | 5.1359 | -5.4656 | 2.0062 | 71.5925  | 21.7061 | 2.00618 |
| 6400  | 5.1404 | -5.4734 | 2.0107 | 71.8150  | 21.5877 | 2.01070 |
| 6500  | 5.1453 | -5.4813 | 2.0160 | 72.0582  | 21.4970 | 2.01601 |
| 6600  | 5.1507 | -5.4892 | 2.0223 | 72.3262  | 21.4373 | 2.02229 |
| 6700  | 5.1567 | -5.4974 | 2.0297 | 72.6234  | 21.4123 | 2.02972 |
| 6800  | 5.1635 | -5.5057 | 2.0385 | 72.9543  | 21.4259 | 2.03850 |
| 6900  | 5.1709 | -5.5142 | 2.0488 | 73.3239  | 21.4823 | 2.04887 |
| 7000  | 5.1793 | -5.5230 | 2.0610 | 73.7374  | 21.5862 | 2.06105 |
| 7100  | 5.1886 | -5.5322 | 2.0753 | 74.2005  | 21.7419 | 2.07530 |
| 7200  | 5.1989 | -5.5417 | 2.0919 | 74.7193  | 21.9552 | 2.09192 |
| 7300  | 5.2103 | -5.5517 | 2.1111 | 75.2999  | 22.2313 | 2.11119 |
| 7400  | 5.2229 | -5.5622 | 2.1334 | 75.9492  | 22.5759 | 2.13345 |
| 7500  | 5.2367 | -5.5732 | 2.1589 | 76.6740  | 22.9948 | 2.15904 |
| 7600  | 5.2518 | -5.5848 | 2.1882 | 77.4815  | 23.4946 | 2.18833 |
| 7700  | 5.2682 | -5.5970 | 2.2215 | 78.3782  | 24.0805 | 2.22167 |
| 7800  | 5.2858 | -5.6099 | 2.2592 | 79.3713  | 24.7586 | 2.25944 |
| 7900  | 5.3047 | -5.6235 | 2.3017 | 80.4665  | 25.5337 | 2.30196 |
| 8000  | 5.3249 | -5.6379 | 2.3493 | 81.6694  | 26.4101 | 2.34959 |
| 8100  | 5.3461 | -5.6530 | 2.4022 | 82.9832  | 27.3899 | 2.40255 |
| 8200  | 5.3683 | -5.6687 | 2.4607 | 84.4100  | 28.4741 | 2.46107 |
| 8300  | 5.3913 | -5.6851 | 2.5247 | 85.9485  | 29.6603 | 2.52515 |
| 8400  | 5.4149 | -5.7022 | 2.5943 | 87.5947  | 30.9434 | 2.59475 |
| 8500  | 5.4388 | -5.7196 | 2.6689 | 89.3387  | 32.3131 | 2.66953 |
| 8600  | 5.4629 | -5.7374 | 2.7483 | 91.1678  | 33.7559 | 2.74897 |
| 8700  | 5.4867 | -5.7554 | 2.8316 | 93.0639  | 35.2530 | 2.83234 |
| 8800  | 5.5101 | -5.7734 | 2.9178 | 95.0044  | 36.7821 | 2.91863 |
| 8900  | 5.5328 | -5.7912 | 3.0057 | 96.9622  | 38.3158 | 3.00659 |
| 9000  | 5.5544 | -5.8086 | 3.0939 | 98.9088  | 39.8260 | 3.09491 |
| 9100  | 5.5748 | -5.8255 | 3.1811 | 100.8153 | 41.2840 | 3.18215 |
| 9200  | 5.5938 | -5.8416 | 3.2656 | 102.6508 | 42.6607 | 3.26678 |
| 9300  | 5.6113 | -5.8569 | 3.3463 | 104.3914 | 43.9333 | 3.34754 |
| 9400  | 5.6272 | -5.8713 | 3.4221 | 106.0180 | 45.0838 | 3.42340 |
| 9500  | 5.6414 | -5.8847 | 3.4921 | 107.5149 | 46.0985 | 3.49348 |
| 9600  | 5.6541 | -5.8971 | 3.5560 | 108.8765 | 46.9728 | 3.55734 |
| 9700  | 5.6654 | -5.9085 | 3.6133 | 110.1002 | 47.7060 | 3.61475 |
| 9800  | 5.6752 | -5.9191 | 3.6643 | 111.1893 | 48.3029 | 3.66573 |
| 9900  | 5.6838 | -5.9288 | 3.7091 | 112.1517 | 48.7725 | 3.71057 |
| 10000 | 5.6913 | -5.9377 | 3.7482 | 112.9972 | 49.1257 | 3.74968 |
| 10100 | 5.6978 | -5.9459 | 3.7820 | 113.7361 | 49.3746 | 3.78348 |
| 10200 | 5.7035 | -5.9535 | 3.8111 | 114.3816 | 49.5325 | 3.81258 |
| 10300 | 5.7084 | -5.9606 | 3.8360 | 114.9437 | 49.6111 | 3.83747 |
| 10400 | 5.7127 | -5.9672 | 3.8573 | 115.4351 | 49.6229 | 3.85873 |
| 10500 | 5.7165 | -5.9734 | 3.8753 | 115.8648 | 49.5778 | 3.87681 |
| 10600 | 5.7198 | -5.9792 | 3.8907 | 116.2422 | 49.4857 | 3.89217 |
| 10700 | 5.7227 | -5.9847 | 3.9038 | 116.5753 | 49.3547 | 3.90521 |
| 10800 | 5.7253 | -5.9900 | 3.9148 | 116.8709 | 49.1917 | 3.91627 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 10900 | 5.7277 | -5.9950 | 3.9242 | 117.1344 | 49.0028 | 3.92565 |
| 11000 | 5.7298 | -5.9999 | 3.9322 | 117.3715 | 48.7933 | 3.93361 |
| 11100 | 5.7317 | -6.0046 | 3.9390 | 117.5860 | 48.5671 | 3.94038 |
| 11200 | 5.7334 | -6.0091 | 3.9448 | 117.7817 | 48.3285 | 3.94614 |
| 11300 | 5.7350 | -6.0135 | 3.9497 | 117.9613 | 48.0796 | 3.95104 |
| 11400 | 5.7365 | -6.0178 | 3.9539 | 118.1273 | 47.8232 | 3.95522 |
| 11500 | 5.7380 | -6.0220 | 3.9575 | 118.2822 | 47.5613 | 3.95880 |
| 11600 | 5.7393 | -6.0261 | 3.9606 | 118.4270 | 47.2956 | 3.96185 |
| 11700 | 5.7405 | -6.0301 | 3.9632 | 118.5638 | 47.0275 | 3.96448 |
| 11800 | 5.7417 | -6.0340 | 3.9655 | 118.6933 | 46.7581 | 3.96673 |
| 11900 | 5.7429 | -6.0379 | 3.9675 | 118.8171 | 46.4884 | 3.96867 |
| 12000 | 5.7440 | -6.0417 | 3.9692 | 118.9357 | 46.2190 | 3.97035 |
| 12100 | 5.7451 | -6.0455 | 3.9706 | 119.0498 | 45.9506 | 3.97180 |
| 12200 | 5.7461 | -6.0492 | 3.9719 | 119.1601 | 45.6838 | 3.97306 |
| 12300 | 5.7471 | -6.0529 | 3.9730 | 119.2671 | 45.4189 | 3.97417 |
| 12400 | 5.7481 | -6.0565 | 3.9740 | 119.3711 | 45.1564 | 3.97513 |
| 12500 | 5.7491 | -6.0601 | 3.9749 | 119.4730 | 44.8965 | 3.97598 |
| 12600 | 5.7501 | -6.0636 | 3.9757 | 119.5726 | 44.6394 | 3.97673 |
| 12700 | 5.7510 | -6.0671 | 3.9763 | 119.6705 | 44.3854 | 3.97742 |
| 12800 | 5.7520 | -6.0706 | 3.9770 | 119.7669 | 44.1347 | 3.97803 |
| 12900 | 5.7529 | -6.0741 | 3.9776 | 119.8621 | 43.8874 | 3.97859 |
| 13000 | 5.7539 | -6.0775 | 3.9781 | 119.9563 | 43.6436 | 3.97912 |
| 13100 | 5.7548 | -6.0809 | 3.9786 | 120.0497 | 43.4036 | 3.97962 |
| 13200 | 5.7557 | -6.0842 | 3.9791 | 120.1428 | 43.1675 | 3.98011 |
| 13300 | 5.7567 | -6.0876 | 3.9796 | 120.2357 | 42.9355 | 3.98060 |
| 13400 | 5.7576 | -6.0909 | 3.9801 | 120.3286 | 42.7077 | 3.98110 |
| 13500 | 5.7586 | -6.0942 | 3.9807 | 120.4220 | 42.4844 | 3.98162 |
| 13600 | 5.7595 | -6.0974 | 3.9812 | 120.5162 | 42.2657 | 3.98218 |
| 13700 | 5.7605 | -6.1007 | 3.9819 | 120.6114 | 42.0521 | 3.98279 |
| 13800 | 5.7615 | -6.1039 | 3.9826 | 120.7081 | 41.8437 | 3.98347 |
| 13900 | 5.7625 | -6.1071 | 3.9833 | 120.8066 | 41.6409 | 3.98424 |
| 14000 | 5.7638 | -6.1103 | 3.9842 | 120.9276 | 41.4641 | 3.98512 |
| 14100 | 5.7647 | -6.1135 | 3.9853 | 121.0117 | 41.2539 | 3.98613 |
| 14200 | 5.7658 | -6.1167 | 3.9864 | 121.1195 | 41.0707 | 3.98729 |
| 14300 | 5.7670 | -6.1199 | 3.9878 | 121.2315 | 40.8953 | 3.98864 |
| 14400 | 5.7683 | -6.1231 | 3.9894 | 121.3490 | 40.7282 | 3.99023 |
| 14500 | 5.7696 | -6.1263 | 3.9912 | 121.4724 | 40.5703 | 3.99205 |
| 14600 | 5.7710 | -6.1295 | 3.9934 | 121.6027 | 40.4226 | 3.99419 |
| 14700 | 5.7725 | -6.1328 | 3.9959 | 121.7417 | 40.2859 | 3.99667 |
| 14800 | 5.7741 | -6.1360 | 3.9988 | 121.8902 | 40.1615 | 3.99956 |
| 14900 | 5.7758 | -6.1393 | 4.0021 | 122.0493 | 40.0507 | 4.00291 |
| 15000 | 5.7777 | -6.1427 | 4.0060 | 122.2210 | 39.9550 | 4.00678 |

LOG P=-3.7

| T    | LOG H/R | LOG RHC | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5417  | -3.2636 | 1.0000 | 28.6026 | 3.4806 | 1.00000 |
| 200  | 2.8434  | -3.5646 | 1.0000 | 31.0216 | 3.4862 | 1.00000 |
| 300  | 3.0198  | -3.7407 | 1.0000 | 32.4386 | 3.4891 | 1.00000 |
| 400  | 3.1455  | -3.8657 | 1.0000 | 33.4490 | 3.4952 | 1.00000 |
| 500  | 3.2440  | -3.9626 | 1.0000 | 34.2429 | 3.5074 | 1.00000 |
| 600  | 3.3256  | -4.0417 | 1.0000 | 34.9030 | 3.5270 | 1.00000 |
| 700  | 3.3955  | -4.1087 | 1.0000 | 35.4740 | 3.5516 | 1.00000 |
| 800  | 3.4572  | -4.1667 | 1.0000 | 35.9792 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -4.2178 | 1.0000 | 36.4350 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -4.2636 | 1.0000 | 36.8496 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -4.3050 | 1.0000 | 37.2320 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -4.3428 | 1.0000 | 37.5881 | 3.7122 | 1.00000 |
| 1300 | 3.6874  | -4.3775 | 1.0000 | 37.9192 | 3.7452 | 1.00000 |
| 1400 | 3.7234  | -4.4097 | 1.0000 | 38.2294 | 3.7779 | 1.00000 |
| 1500 | 3.7571  | -4.4308 | 1.0000 | 38.5262 | 3.8106 | 1.00000 |
| 1500 | 3.7573  | -4.4400 | 1.0001 | 38.5274 | 3.8122 | 1.00006 |
| 1600 | 3.7897  | -4.4681 | 1.0002 | 38.8128 | 3.8507 | 1.00024 |
| 1700 | 3.8215  | -4.4946 | 1.0007 | 39.0961 | 3.8995 | 1.00072 |

|      |        |         |        |         |         |         |
|------|--------|---------|--------|---------|---------|---------|
| 1800 | 3.8542 | -4.5200 | 1.0019 | 39.3927 | 3.9708  | 1.00194 |
| 1900 | 3.8903 | -4.5447 | 1.0047 | 39.7281 | 4.0887  | 1.00472 |
| 2000 | 3.9333 | -4.5694 | 1.0105 | 40.1414 | 4.2879  | 1.01046 |
| 2100 | 3.9864 | -4.5952 | 1.0212 | 40.6858 | 4.6155  | 1.02116 |
| 2200 | 4.0520 | -4.6230 | 1.0393 | 41.4183 | 5.1230  | 1.03930 |
| 2300 | 4.1273 | -4.6536 | 1.0666 | 42.3673 | 5.8290  | 1.06658 |
| 2400 | 4.2046 | -4.6861 | 1.1017 | 43.4783 | 6.6741  | 1.10165 |
| 2500 | 4.2721 | -4.7180 | 1.1382 | 44.5774 | 7.4843  | 1.13819 |
| 2600 | 4.3215 | -4.7462 | 1.1678 | 45.4628 | 8.0638  | 1.16775 |
| 2700 | 4.3533 | -4.7695 | 1.1866 | 46.0651 | 8.3552  | 1.18660 |
| 2800 | 4.3736 | -4.7891 | 1.1970 | 46.4568 | 8.4414  | 1.19697 |
| 2900 | 4.3877 | -4.8063 | 1.2024 | 46.7310 | 8.4195  | 1.20243 |
| 3000 | 4.3989 | -4.8221 | 1.2055 | 46.9486 | 8.3525  | 1.20547 |
| 3100 | 4.4091 | -4.8371 | 1.2074 | 47.1418 | 8.2734  | 1.20743 |
| 3200 | 4.4189 | -4.8515 | 1.2090 | 47.3281 | 8.1980  | 1.20904 |
| 3300 | 4.4291 | -4.8654 | 1.2108 | 47.5197 | 8.1384  | 1.21079 |
| 3400 | 4.4402 | -4.8792 | 1.2131 | 47.7272 | 8.1040  | 1.21305 |
| 3500 | 4.4528 | -4.8929 | 1.2162 | 47.9625 | 8.1039  | 1.21623 |
| 3600 | 4.4676 | -4.9068 | 1.2209 | 48.2398 | 8.1527  | 1.22086 |
| 3700 | 4.4854 | -4.9211 | 1.2276 | 48.5767 | 8.2644  | 1.22755 |
| 3800 | 4.5072 | -4.9361 | 1.2371 | 48.9952 | 8.4606  | 1.23713 |
| 3900 | 4.5337 | -4.9520 | 1.2506 | 49.5207 | 8.7627  | 1.25057 |
| 4000 | 4.5657 | -4.9694 | 1.2691 | 50.1831 | 9.1978  | 1.26906 |
| 4100 | 4.6039 | -4.9886 | 1.2940 | 51.0166 | 9.7971  | 1.29401 |
| 4200 | 4.6481 | -5.0099 | 1.3269 | 52.0536 | 10.5888 | 1.32686 |
| 4300 | 4.6980 | -5.0338 | 1.3691 | 53.3260 | 11.6011 | 1.36909 |
| 4400 | 4.7520 | -5.0601 | 1.4215 | 54.8448 | 12.8391 | 1.42150 |
| 4500 | 4.8084 | -5.0886 | 1.4843 | 56.6052 | 14.2952 | 1.48429 |
| 4600 | 4.8643 | -5.1185 | 1.5556 | 58.5488 | 15.9068 | 1.55557 |
| 4700 | 4.9170 | -5.1486 | 1.6317 | 60.5771 | 17.5752 | 1.63172 |
| 4800 | 4.9638 | -5.1774 | 1.7073 | 62.5536 | 19.1648 | 1.70733 |
| 4900 | 5.0028 | -5.2036 | 1.7765 | 64.3380 | 20.5399 | 1.77652 |
| 5000 | 5.0337 | -5.2265 | 1.8350 | 65.8371 | 21.6132 | 1.83502 |
| 5100 | 5.0569 | -5.2458 | 1.8807 | 67.0107 | 22.3510 | 1.88070 |
| 5200 | 5.0739 | -5.2619 | 1.9146 | 67.8948 | 22.7968 | 1.91461 |
| 5300 | 5.0863 | -5.2757 | 1.9389 | 68.5484 | 23.0140 | 1.93887 |
| 5400 | 5.0954 | -5.2876 | 1.9559 | 69.0316 | 23.0668 | 1.95585 |
| 5500 | 5.1023 | -5.2982 | 1.9677 | 69.3978 | 23.0103 | 1.96770 |
| 5600 | 5.1077 | -5.3078 | 1.9760 | 69.6853 | 22.8842 | 1.97603 |
| 5700 | 5.1123 | -5.3169 | 1.9821 | 69.9233 | 22.7185 | 1.98209 |
| 5800 | 5.1162 | -5.3254 | 1.9867 | 70.1309 | 22.5323 | 1.98671 |
| 5900 | 5.1199 | -5.3337 | 1.9905 | 70.3216 | 22.3391 | 1.99048 |
| 6000 | 5.1235 | -5.3417 | 1.9938 | 70.5047 | 22.1479 | 1.99381 |
| 6100 | 5.1271 | -5.3496 | 1.9970 | 70.6873 | 21.9660 | 1.99703 |
| 6200 | 5.1308 | -5.3574 | 2.0004 | 70.8750 | 21.7979 | 2.00037 |
| 6300 | 5.1348 | -5.3651 | 2.0040 | 71.0724 | 21.6477 | 2.00403 |
| 6400 | 5.1390 | -5.3728 | 2.0082 | 71.2835 | 21.5189 | 2.00819 |
| 6500 | 5.1436 | -5.3806 | 2.0130 | 71.5123 | 21.4149 | 2.01301 |
| 6600 | 5.1487 | -5.3885 | 2.0187 | 71.7627 | 21.3389 | 2.01868 |
| 6700 | 5.1543 | -5.3964 | 2.0253 | 72.0386 | 21.2944 | 2.02535 |
| 6800 | 5.1606 | -5.4046 | 2.0332 | 72.3444 | 21.2847 | 2.03322 |
| 6900 | 5.1675 | -5.4129 | 2.0425 | 72.6843 | 21.3138 | 2.04249 |
| 7000 | 5.1752 | -5.4214 | 2.0533 | 73.0632 | 21.3856 | 2.05337 |
| 7100 | 5.1838 | -5.4303 | 2.0661 | 73.4861 | 21.5044 | 2.06610 |
| 7200 | 5.1933 | -5.4394 | 2.0809 | 73.9587 | 21.6751 | 2.08093 |
| 7300 | 5.2038 | -5.4490 | 2.0981 | 74.4865 | 21.9024 | 2.09813 |
| 7400 | 5.2154 | -5.4590 | 2.1179 | 75.0755 | 22.1916 | 2.11801 |
| 7500 | 5.2282 | -5.4695 | 2.1408 | 75.7321 | 22.5481 | 2.14087 |
| 7600 | 5.2421 | -5.4805 | 2.1669 | 76.4630 | 22.9777 | 2.16705 |
| 7700 | 5.2573 | -5.4921 | 2.1967 | 77.2742 | 23.4853 | 2.19688 |
| 7800 | 5.2737 | -5.5044 | 2.2305 | 78.1727 | 24.0772 | 2.23071 |
| 7900 | 5.2913 | -5.5173 | 2.2687 | 79.1643 | 24.7577 | 2.26887 |
| 8000 | 5.3102 | -5.5308 | 2.3115 | 80.2545 | 25.5319 | 2.31172 |
| 8100 | 5.3301 | -5.5451 | 2.3592 | 81.4476 | 26.4024 | 2.35949 |
| 8200 | 5.3511 | -5.5601 | 2.4121 | 82.7469 | 27.3719 | 2.41246 |
| 8300 | 5.3730 | -5.5757 | 2.4703 | 84.1534 | 28.4402 | 2.47073 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 8400  | 5.3956 | -5.5919 | 2.5339 | 85.6655  | 29.6048 | 2.53438 |
| 8500  | 5.4188 | -5.6087 | 2.6027 | 87.2781  | 30.8597 | 2.60326 |
| 8600  | 5.4423 | -5.6259 | 2.6764 | 88.9828  | 32.1956 | 2.67707 |
| 8700  | 5.4658 | -5.6434 | 2.7546 | 90.7666  | 33.5989 | 2.75530 |
| 8800  | 5.4892 | -5.6611 | 2.8364 | 92.6124  | 35.0521 | 2.83723 |
| 8900  | 5.5121 | -5.6788 | 2.9209 | 94.4977  | 36.5329 | 2.92134 |
| 9000  | 5.5342 | -5.6962 | 3.0070 | 96.3983  | 38.0168 | 3.00802 |
| 9100  | 5.5554 | -5.7133 | 3.0934 | 98.2877  | 39.4780 | 3.09452 |
| 9200  | 5.5754 | -5.7299 | 3.1787 | 100.1365 | 40.8677 | 3.17987 |
| 9300  | 5.5940 | -5.7458 | 3.2615 | 101.9194 | 42.2216 | 3.26280 |
| 9400  | 5.6112 | -5.7608 | 3.3408 | 103.6137 | 43.4579 | 3.34211 |
| 9500  | 5.6268 | -5.7750 | 3.4153 | 105.1992 | 44.5780 | 3.41671 |
| 9600  | 5.6410 | -5.7883 | 3.4844 | 106.6644 | 45.5712 | 3.48590 |
| 9700  | 5.6536 | -5.8006 | 3.5476 | 108.0009 | 46.4309 | 3.54914 |
| 9800  | 5.6648 | -5.8119 | 3.6046 | 109.2056 | 47.1557 | 3.60615 |
| 9900  | 5.6746 | -5.8224 | 3.6554 | 110.2825 | 47.7509 | 3.65703 |
| 10000 | 5.6833 | -5.8321 | 3.7004 | 111.2383 | 48.2240 | 3.70198 |
| 10100 | 5.6908 | -5.8410 | 3.7397 | 112.0800 | 48.5845 | 3.74130 |
| 10200 | 5.6974 | -5.8493 | 3.7739 | 112.8200 | 48.8444 | 3.77552 |
| 10300 | 5.7032 | -5.8569 | 3.8034 | 113.4675 | 49.0145 | 3.80506 |
| 10400 | 5.7082 | -5.8640 | 3.8269 | 114.0348 | 49.1077 | 3.83050 |
| 10500 | 5.7126 | -5.8706 | 3.8507 | 114.5314 | 49.1342 | 3.85229 |
| 10600 | 5.7164 | -5.8768 | 3.8693 | 114.9672 | 49.1044 | 3.87092 |
| 10700 | 5.7198 | -5.8827 | 3.8852 | 115.3509 | 49.0273 | 3.88682 |
| 10800 | 5.7228 | -5.8882 | 3.8988 | 115.6902 | 48.9109 | 3.90036 |
| 10900 | 5.7255 | -5.8935 | 3.9103 | 115.9912 | 48.7619 | 3.91190 |
| 11000 | 5.7279 | -5.8986 | 3.9202 | 116.2604 | 48.5865 | 3.92171 |
| 11100 | 5.7301 | -5.9034 | 3.9286 | 116.5024 | 48.3894 | 3.93009 |
| 11200 | 5.7321 | -5.9081 | 3.9357 | 116.7215 | 48.1755 | 3.93722 |
| 11300 | 5.7339 | -5.9126 | 3.9418 | 116.9211 | 47.9479 | 3.94331 |
| 11400 | 5.7355 | -5.9170 | 3.9470 | 117.1041 | 47.7096 | 3.94851 |
| 11500 | 5.7371 | -5.9213 | 3.9515 | 117.2735 | 47.4632 | 3.95295 |
| 11600 | 5.7385 | -5.9255 | 3.9553 | 117.4307 | 47.2107 | 3.95676 |
| 11700 | 5.7399 | -5.9296 | 3.9586 | 117.5782 | 46.9539 | 3.96004 |
| 11800 | 5.7411 | -5.9336 | 3.9615 | 117.7167 | 46.6941 | 3.96285 |
| 11900 | 5.7424 | -5.9375 | 3.9639 | 117.8481 | 46.4326 | 3.96527 |
| 12000 | 5.7435 | -5.9414 | 3.9660 | 117.9735 | 46.1703 | 3.96736 |
| 12100 | 5.7447 | -5.9452 | 3.9679 | 118.0931 | 45.9080 | 3.96917 |
| 12200 | 5.7458 | -5.9490 | 3.9695 | 118.2083 | 45.6463 | 3.97074 |
| 12300 | 5.7468 | -5.9526 | 3.9708 | 118.3194 | 45.3859 | 3.97212 |
| 12400 | 5.7479 | -5.9563 | 3.9721 | 118.4270 | 45.1271 | 3.97331 |
| 12500 | 5.7489 | -5.9599 | 3.9731 | 118.5313 | 44.8703 | 3.97436 |
| 12600 | 5.7499 | -5.9635 | 3.9741 | 118.6339 | 44.6159 | 3.97529 |
| 12700 | 5.7508 | -5.9670 | 3.9749 | 118.7338 | 44.3642 | 3.97611 |
| 12800 | 5.7518 | -5.9705 | 3.9757 | 118.8319 | 44.1153 | 3.97685 |
| 12900 | 5.7528 | -5.9739 | 3.9764 | 118.9284 | 43.8694 | 3.97752 |
| 13000 | 5.7537 | -5.9774 | 3.9770 | 119.0235 | 43.6267 | 3.97813 |
| 13100 | 5.7546 | -5.9808 | 3.9776 | 119.1176 | 43.3875 | 3.97870 |
| 13200 | 5.7556 | -5.9841 | 3.9781 | 119.2108 | 43.1517 | 3.97923 |
| 13300 | 5.7565 | -5.9875 | 3.9787 | 119.3037 | 42.9196 | 3.97976 |
| 13400 | 5.7575 | -5.9908 | 3.9792 | 119.3961 | 42.6915 | 3.98027 |
| 13500 | 5.7584 | -5.9940 | 3.9797 | 119.4887 | 42.4674 | 3.98079 |
| 13600 | 5.7593 | -5.9973 | 3.9803 | 119.5816 | 42.2476 | 3.98132 |
| 13700 | 5.7603 | -6.0006 | 3.9809 | 119.6749 | 42.0324 | 3.98189 |
| 13800 | 5.7613 | -6.0038 | 3.9815 | 119.7692 | 41.8217 | 3.98251 |
| 13900 | 5.7623 | -6.0070 | 3.9822 | 119.8648 | 41.6161 | 3.98318 |
| 14000 | 5.7635 | -6.0102 | 3.9829 | 119.9820 | 41.4358 | 3.98393 |
| 14100 | 5.7643 | -6.0134 | 3.9838 | 120.0617 | 41.2214 | 3.98479 |
| 14200 | 5.7654 | -6.0166 | 3.9848 | 120.1641 | 41.0330 | 3.98577 |
| 14300 | 5.7665 | -6.0197 | 3.9859 | 120.2696 | 40.8513 | 3.98688 |
| 14400 | 5.7677 | -6.0229 | 3.9872 | 120.3794 | 40.6769 | 3.98819 |
| 14500 | 5.7689 | -6.0261 | 3.9887 | 120.4939 | 40.5104 | 3.98968 |
| 14600 | 5.7702 | -6.0292 | 3.9905 | 120.6135 | 40.3525 | 3.99141 |
| 14700 | 5.7716 | -6.0324 | 3.9925 | 120.7401 | 40.2041 | 3.99342 |
| 14800 | 5.7730 | -6.0356 | 3.9949 | 120.8743 | 40.0659 | 3.99577 |
| 14900 | 5.7746 | -6.0388 | 3.9976 | 121.0169 | 39.9394 | 3.99847 |

15000 5.7763 -6.0421 4.0007 121.1696 39.8253 4.00160

LOG P=-3.6

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT    | Z*      |
|------|---------|---------|--------|---------|---------|---------|
| 100  | 2.5417  | -3.1636 | 1.0000 | 28.3723 | 3.4806  | 1.00000 |
| 200  | 2.8434  | -3.4646 | 1.0000 | 30.7917 | 3.4862  | 1.00000 |
| 300  | 3.0198  | -3.6407 | 1.0000 | 32.2087 | 3.4891  | 1.00000 |
| 400  | 3.1455  | -3.7657 | 1.0000 | 33.2189 | 3.4952  | 1.00000 |
| 500  | 3.2440  | -3.8626 | 1.0000 | 34.0129 | 3.5074  | 1.00000 |
| 600  | 3.3256  | -3.9417 | 1.0000 | 34.6727 | 3.5270  | 1.00000 |
| 700  | 3.3955  | -4.0087 | 1.0000 | 35.2440 | 3.5516  | 1.00000 |
| 800  | 3.4572  | -4.0667 | 1.0000 | 35.7487 | 3.5817  | 1.00000 |
| 900  | 3.5121  | -4.1178 | 1.0000 | 36.2046 | 3.6129  | 1.00000 |
| 1000 | 3.5619  | -4.1636 | 1.0000 | 36.6193 | 3.6467  | 1.00000 |
| 1100 | 3.6071  | -4.2050 | 1.0000 | 37.0015 | 3.6791  | 1.00000 |
| 1200 | 3.6488  | -4.2428 | 1.0000 | 37.3576 | 3.7122  | 1.00000 |
| 1300 | 3.6874  | -4.2775 | 1.0000 | 37.6887 | 3.7452  | 1.00000 |
| 1400 | 3.7234  | -4.3097 | 1.0000 | 37.9994 | 3.7779  | 1.00000 |
| 1500 | 3.7571  | -4.3321 | 1.0000 | 38.2750 | 3.8106  | 1.00000 |
| 1500 | 3.7572  | -4.3400 | 1.0001 | 38.2968 | 3.8119  | 1.00006 |
| 1600 | 3.7896  | -4.3681 | 1.0002 | 38.5815 | 3.8498  | 1.00021 |
| 1700 | 3.8212  | -4.3946 | 1.0006 | 38.8629 | 3.8967  | 1.00064 |
| 1800 | 3.8534  | -4.4199 | 1.0017 | 39.1549 | 3.9637  | 1.00173 |
| 1900 | 3.8886  | -4.4444 | 1.0042 | 39.4804 | 4.0723  | 1.00422 |
| 2000 | 3.9298  | -4.4689 | 1.0093 | 39.8748 | 4.2538  | 1.00934 |
| 2100 | 3.9803  | -4.4942 | 1.0190 | 40.3866 | 4.5512  | 1.01895 |
| 2200 | 4.0426  | -4.5214 | 1.0354 | 41.0703 | 5.0138  | 1.03537 |
| 2300 | 4.1150  | -4.5511 | 1.0605 | 41.9599 | 5.6665  | 1.06045 |
| 2400 | 4.1912  | -4.5829 | 1.0937 | 43.0228 | 6.4714  | 1.09366 |
| 2500 | 4.2603  | -4.6149 | 1.1299 | 44.1165 | 7.2845  | 1.12994 |
| 2600 | 4.3133  | -4.6437 | 1.1612 | 45.0428 | 7.9120  | 1.16118 |
| 2700 | 4.3484  | -4.6680 | 1.1823 | 45.6987 | 8.2616  | 1.18234 |
| 2800 | 4.3709  | -4.6882 | 1.1945 | 46.1296 | 8.3895  | 1.19448 |
| 2900 | 4.3862  | -4.7058 | 1.2010 | 46.4255 | 8.3909  | 1.20098 |
| 3000 | 4.3980  | -4.7218 | 1.2046 | 46.6537 | 8.3351  | 1.20456 |
| 3100 | 4.4084  | -4.7369 | 1.2068 | 46.8511 | 8.2607  | 1.20679 |
| 3200 | 4.4182  | -4.7513 | 1.2085 | 47.0378 | 8.1861  | 1.20850 |
| 3300 | 4.4283  | -4.7652 | 1.2102 | 47.2266 | 8.1240  | 1.21022 |
| 3400 | 4.4391  | -4.7790 | 1.2123 | 47.4281 | 8.0840  | 1.21234 |
| 3500 | 4.4512  | -4.7926 | 1.2153 | 47.6533 | 8.0747  | 1.21526 |
| 3600 | 4.4653  | -4.8063 | 1.2194 | 47.9153 | 8.1091  | 1.21944 |
| 3700 | 4.4820  | -4.8204 | 1.2254 | 48.2299 | 8.1999  | 1.22544 |
| 3800 | 4.5023  | -4.8350 | 1.2340 | 48.6169 | 8.3668  | 1.23402 |
| 3900 | 4.5270  | -4.8505 | 1.2460 | 49.0993 | 8.6287  | 1.24604 |
| 4000 | 4.5568  | -4.8672 | 1.2626 | 49.7043 | 9.0103  | 1.26259 |
| 4100 | 4.5924  | -4.8855 | 1.2850 | 50.4631 | 9.5406  | 1.28497 |
| 4200 | 4.6338  | -4.9059 | 1.3145 | 51.4068 | 10.2462 | 1.31451 |
| 4300 | 4.6810  | -4.9285 | 1.3527 | 52.5672 | 11.1556 | 1.35268 |
| 4400 | 4.7326  | -4.9536 | 1.4004 | 53.9602 | 12.2794 | 1.40043 |
| 4500 | 4.7874  | -4.9809 | 1.4583 | 55.5916 | 13.6206 | 1.45834 |
| 4600 | 4.8428  | -5.0100 | 1.5253 | 57.4233 | 15.1363 | 1.52530 |
| 4700 | 4.8961  | -5.0397 | 1.5987 | 59.3809 | 16.7509 | 1.59868 |
| 4800 | 4.9448  | -5.0688 | 1.6739 | 61.3475 | 18.3478 | 1.67394 |
| 4900 | 4.9867  | -5.0959 | 1.7454 | 63.1862 | 19.7934 | 1.74540 |
| 5000 | 5.0209  | -5.1201 | 1.8083 | 64.7885 | 20.9839 | 1.80827 |
| 5100 | 5.0471  | -5.1408 | 1.8592 | 66.0838 | 21.8547 | 1.85921 |
| 5200 | 5.0667  | -5.1582 | 1.8982 | 67.0838 | 22.4247 | 1.89822 |
| 5300 | 5.0812  | -5.1730 | 1.9268 | 67.8334 | 22.7442 | 1.92680 |
| 5400 | 5.0917  | -5.1856 | 1.9471 | 68.3895 | 22.8739 | 1.94710 |
| 5500 | 5.0997  | -5.1968 | 1.9614 | 68.8079 | 22.8726 | 1.96139 |
| 5600 | 5.1058  | -5.2068 | 1.9714 | 69.1311 | 22.7844 | 1.97144 |
| 5700 | 5.1108  | -5.2161 | 1.9787 | 69.3927 | 22.6439 | 1.97868 |
| 5800 | 5.1151  | -5.2249 | 1.9841 | 69.6149 | 22.4734 | 1.98406 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 5900  | 5.1190 | -5.2332 | 1.9883 | 69.8138  | 22.2894 | 1.98832 |
| 6000  | 5.1226 | -5.2413 | 1.9919 | 70.0002  | 22.1023 | 1.99192 |
| 6100  | 5.1262 | -5.2492 | 1.9952 | 70.1822  | 21.9204 | 1.99521 |
| 6200  | 5.1298 | -5.2570 | 1.9985 | 70.3661  | 21.7492 | 1.99850 |
| 6300  | 5.1337 | -5.2647 | 2.0020 | 70.5567  | 21.5932 | 2.00199 |
| 6400  | 5.1377 | -5.2723 | 2.0059 | 70.7582  | 21.4559 | 2.00586 |
| 6500  | 5.1421 | -5.2800 | 2.0103 | 70.9746  | 21.3405 | 2.01027 |
| 6600  | 5.1469 | -5.2878 | 2.0154 | 71.2096  | 21.2503 | 2.01541 |
| 6700  | 5.1522 | -5.2956 | 2.0214 | 71.4668  | 21.1885 | 2.02141 |
| 6800  | 5.1580 | -5.3035 | 2.0285 | 71.7502  | 21.1582 | 2.02848 |
| 6900  | 5.1644 | -5.3116 | 2.0368 | 72.0638  | 21.1630 | 2.03678 |
| 7000  | 5.1716 | -5.3200 | 2.0465 | 72.4120  | 21.2064 | 2.04650 |
| 7100  | 5.1795 | -5.3285 | 2.0578 | 72.7992  | 21.2922 | 2.05788 |
| 7200  | 5.1883 | -5.3374 | 2.0711 | 73.2306  | 21.4249 | 2.07112 |
| 7300  | 5.1980 | -5.3466 | 2.0864 | 73.7111  | 21.6088 | 2.08648 |
| 7400  | 5.2087 | -5.3562 | 2.1042 | 74.2464  | 21.8484 | 2.10422 |
| 7500  | 5.2204 | -5.3662 | 2.1246 | 74.8420  | 22.1489 | 2.12464 |
| 7600  | 5.2333 | -5.3767 | 2.1479 | 75.5042  | 22.5154 | 2.14803 |
| 7700  | 5.2473 | -5.3877 | 2.1746 | 76.2385  | 22.9527 | 2.17470 |
| 7800  | 5.2625 | -5.3993 | 2.2048 | 77.0516  | 23.4664 | 2.20498 |
| 7900  | 5.2789 | -5.4115 | 2.2390 | 77.9489  | 24.0610 | 2.23919 |
| 8000  | 5.2965 | -5.4244 | 2.2774 | 78.9362  | 24.7416 | 2.27765 |
| 8100  | 5.3152 | -5.4379 | 2.3204 | 80.0180  | 25.5115 | 2.32064 |
| 8200  | 5.3350 | -5.4521 | 2.3681 | 81.1988  | 26.3741 | 2.36845 |
| 8300  | 5.3557 | -5.4669 | 2.4209 | 82.4807  | 27.3306 | 2.42125 |
| 8400  | 5.3773 | -5.4824 | 2.4787 | 83.8645  | 28.3808 | 2.47920 |
| 8500  | 5.3996 | -5.4984 | 2.5417 | 85.3476  | 29.5214 | 2.54226 |
| 8600  | 5.4223 | -5.5149 | 2.6097 | 86.9250  | 30.7463 | 2.61030 |
| 8700  | 5.4453 | -5.5319 | 2.6823 | 88.5884  | 32.0466 | 2.68302 |
| 8800  | 5.4684 | -5.5491 | 2.7591 | 90.3255  | 33.4097 | 2.75993 |
| 8900  | 5.4912 | -5.5665 | 2.8394 | 92.1189  | 34.8178 | 2.84027 |
| 9000  | 5.5136 | -5.5838 | 2.9222 | 93.9493  | 36.2512 | 2.92317 |
| 9100  | 5.5352 | -5.6010 | 3.0065 | 95.7940  | 37.6875 | 3.00758 |
| 9200  | 5.5560 | -5.6177 | 3.0910 | 97.6266  | 39.1003 | 3.09222 |
| 9300  | 5.5756 | -5.6340 | 3.1745 | 99.4216  | 40.4650 | 3.17582 |
| 9400  | 5.5939 | -5.6496 | 3.2558 | 101.1552 | 41.7588 | 3.25716 |
| 9500  | 5.6108 | -5.6645 | 3.3336 | 102.8041 | 42.9597 | 3.33501 |
| 9600  | 5.6262 | -5.6785 | 3.4070 | 104.3524 | 44.0525 | 3.40848 |
| 9700  | 5.6402 | -5.6916 | 3.4752 | 105.7865 | 45.0250 | 3.47679 |
| 9800  | 5.6528 | -5.7038 | 3.5378 | 107.0990 | 45.8717 | 3.53945 |
| 9900  | 5.6639 | -5.7151 | 3.5945 | 108.2880 | 46.5913 | 3.59623 |
| 10000 | 5.6738 | -5.7256 | 3.6454 | 109.3555 | 47.1874 | 3.64713 |
| 10100 | 5.6825 | -5.7353 | 3.6905 | 110.3055 | 47.6656 | 3.69225 |
| 10200 | 5.6902 | -5.7442 | 3.7302 | 111.1473 | 48.0358 | 3.73197 |
| 10300 | 5.6969 | -5.7524 | 3.7649 | 111.8886 | 48.3071 | 3.76663 |
| 10400 | 5.7027 | -5.7601 | 3.7950 | 112.5410 | 48.4917 | 3.79675 |
| 10500 | 5.7078 | -5.7672 | 3.8210 | 113.1137 | 48.5998 | 3.82277 |
| 10600 | 5.7123 | -5.7739 | 3.8434 | 113.6170 | 48.6420 | 3.84517 |
| 10700 | 5.7163 | -5.7801 | 3.8626 | 114.0597 | 48.6280 | 3.86440 |
| 10800 | 5.7198 | -5.7860 | 3.8791 | 114.4505 | 48.5666 | 3.88088 |
| 10900 | 5.7229 | -5.7916 | 3.8932 | 114.7961 | 48.4650 | 3.89497 |
| 11000 | 5.7256 | -5.7969 | 3.9053 | 115.1037 | 48.3306 | 3.90701 |
| 11100 | 5.7281 | -5.8020 | 3.9156 | 115.3789 | 48.1690 | 3.91732 |
| 11200 | 5.7303 | -5.8069 | 3.9245 | 115.6266 | 47.9855 | 3.92613 |
| 11300 | 5.7324 | -5.8116 | 3.9320 | 115.8506 | 47.7839 | 3.93367 |
| 11400 | 5.7342 | -5.8161 | 3.9385 | 116.0546 | 47.5679 | 3.94012 |
| 11500 | 5.7359 | -5.8205 | 3.9440 | 116.2419 | 47.3407 | 3.94565 |
| 11600 | 5.7375 | -5.8248 | 3.9488 | 116.4146 | 47.1046 | 3.95040 |
| 11700 | 5.7390 | -5.8290 | 3.9529 | 116.5752 | 46.8619 | 3.95447 |
| 11800 | 5.7404 | -5.8330 | 3.9564 | 116.7251 | 46.6141 | 3.95798 |
| 11900 | 5.7417 | -5.8370 | 3.9595 | 116.8662 | 46.3629 | 3.96101 |
| 12000 | 5.7430 | -5.8410 | 3.9621 | 116.9998 | 46.1094 | 3.96363 |
| 12100 | 5.7442 | -5.8448 | 3.9644 | 117.1266 | 45.8547 | 3.96589 |
| 12200 | 5.7453 | -5.8486 | 3.9664 | 117.2479 | 45.5996 | 3.96785 |
| 12300 | 5.7464 | -5.8523 | 3.9681 | 117.3643 | 45.3448 | 3.96957 |
| 12400 | 5.7475 | -5.8560 | 3.9696 | 117.4763 | 45.0908 | 3.97105 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 12500 | 5.7486 | -5.8597 | 3.9710 | 117.5849 | 44.8382 | 3.97235 |
| 12600 | 5.7496 | -5.8633 | 3.9721 | 117.6903 | 44.5873 | 3.97350 |
| 12700 | 5.7506 | -5.8668 | 3.9732 | 117.7930 | 44.3385 | 3.97451 |
| 12800 | 5.7516 | -5.8703 | 3.9741 | 117.8934 | 44.0921 | 3.97541 |
| 12900 | 5.7525 | -5.8738 | 3.9749 | 117.9917 | 43.8481 | 3.97622 |
| 13000 | 5.7535 | -5.8772 | 3.9757 | 118.0883 | 43.6071 | 3.97695 |
| 13100 | 5.7545 | -5.8806 | 3.9763 | 118.1835 | 43.3691 | 3.97761 |
| 13200 | 5.7554 | -5.8840 | 3.9770 | 118.2775 | 43.1343 | 3.97822 |
| 13300 | 5.7563 | -5.8873 | 3.9776 | 118.3708 | 42.9028 | 3.97880 |
| 13400 | 5.7573 | -5.8906 | 3.9781 | 118.4633 | 42.6749 | 3.97936 |
| 13500 | 5.7582 | -5.8939 | 3.9787 | 118.5555 | 42.4505 | 3.97990 |
| 13600 | 5.7592 | -5.8972 | 3.9793 | 118.6476 | 42.2301 | 3.98043 |
| 13700 | 5.7601 | -5.9004 | 3.9798 | 118.7398 | 42.0137 | 3.98099 |
| 13800 | 5.7611 | -5.9037 | 3.9804 | 118.8325 | 41.8016 | 3.98157 |
| 13900 | 5.7621 | -5.9069 | 3.9811 | 118.9259 | 41.5940 | 3.98218 |
| 14000 | 5.7633 | -5.9101 | 3.9817 | 119.0403 | 41.4111 | 3.98285 |
| 14100 | 5.7641 | -5.9132 | 3.9825 | 119.1166 | 41.1935 | 3.98360 |
| 14200 | 5.7651 | -5.9164 | 3.9834 | 119.2148 | 41.0012 | 3.98444 |
| 14300 | 5.7662 | -5.9195 | 3.9843 | 119.3153 | 40.8147 | 3.98538 |
| 14400 | 5.7673 | -5.9227 | 3.9854 | 119.4191 | 40.6345 | 3.98646 |
| 14500 | 5.7684 | -5.9258 | 3.9866 | 119.5264 | 40.4611 | 3.98769 |
| 14600 | 5.7696 | -5.9290 | 3.9881 | 119.6377 | 40.2952 | 3.98911 |
| 14700 | 5.7709 | -5.9321 | 3.9897 | 119.7544 | 40.1374 | 3.99075 |
| 14800 | 5.7722 | -5.9353 | 3.9916 | 119.8772 | 39.9884 | 3.99266 |
| 14900 | 5.7736 | -5.9384 | 3.9938 | 120.0065 | 39.8490 | 3.99485 |
| 15000 | 5.7751 | -5.9416 | 3.9964 | 120.1440 | 39.7203 | 3.99738 |

LOG P=-3.5

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5417  | -3.0636 | 1.0000 | 28.1423 | 3.4806 | 1.00000 |
| 200  | 2.8434  | -3.3646 | 1.0000 | 30.5615 | 3.4862 | 1.00000 |
| 300  | 3.0198  | -3.5407 | 1.0000 | 31.9784 | 3.4891 | 1.00000 |
| 400  | 3.1455  | -3.6657 | 1.0000 | 32.9883 | 3.4952 | 1.00000 |
| 500  | 3.2440  | -3.7626 | 1.0000 | 33.7827 | 3.5074 | 1.00000 |
| 600  | 3.3256  | -3.8417 | 1.0000 | 34.4422 | 3.5270 | 1.00000 |
| 700  | 3.3955  | -3.9087 | 1.0000 | 35.0136 | 3.5516 | 1.00000 |
| 800  | 3.4572  | -3.9667 | 1.0000 | 35.5184 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -4.0178 | 1.0000 | 35.9741 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -4.0636 | 1.0000 | 36.3893 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -4.1050 | 1.0000 | 36.7715 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -4.1428 | 1.0000 | 37.1274 | 3.7122 | 1.00000 |
| 1300 | 3.6874  | -4.1775 | 1.0000 | 37.4583 | 3.7452 | 1.00000 |
| 1400 | 3.7234  | -4.2097 | 1.0000 | 37.7694 | 3.7779 | 1.00000 |
| 1500 | 3.7571  | -4.2376 | 1.0000 | 38.0188 | 3.8106 | 1.00000 |
| 1500 | 3.7572  | -4.2400 | 1.0001 | 38.0663 | 3.8116 | 1.00005 |
| 1600 | 3.7895  | -4.2681 | 1.0002 | 38.3503 | 3.8489 | 1.00019 |
| 1700 | 3.8209  | -4.2946 | 1.0006 | 38.6300 | 3.8942 | 1.00057 |
| 1800 | 3.8527  | -4.3198 | 1.0015 | 38.9179 | 3.9573 | 1.00154 |
| 1900 | 3.8870  | -4.3442 | 1.0038 | 39.2345 | 4.0576 | 1.00376 |
| 2000 | 3.9267  | -4.3685 | 1.0083 | 39.6119 | 4.2233 | 1.00834 |
| 2100 | 3.9748  | -4.3934 | 1.0170 | 40.0943 | 4.4933 | 1.01697 |
| 2200 | 4.0339  | -4.4199 | 1.0318 | 40.7330 | 4.9146 | 1.03180 |
| 2300 | 4.1033  | -4.4487 | 1.0548 | 41.5657 | 5.5158 | 1.05477 |
| 2400 | 4.1779  | -4.4799 | 1.0860 | 42.5772 | 6.2767 | 1.08599 |
| 2500 | 4.2481  | -4.5116 | 1.1216 | 43.6542 | 7.0813 | 1.12157 |
| 2600 | 4.3041  | -4.5411 | 1.1541 | 44.6116 | 7.7473 | 1.15407 |
| 2700 | 4.3428  | -4.5662 | 1.1775 | 45.3198 | 8.1544 | 1.17747 |
| 2800 | 4.3677  | -4.5871 | 1.1915 | 45.7934 | 8.3281 | 1.19154 |
| 2900 | 4.3844  | -4.6052 | 1.1993 | 46.1149 | 8.3566 | 1.19925 |
| 3000 | 4.3970  | -4.6214 | 1.2035 | 46.3561 | 8.3147 | 1.20350 |
| 3100 | 4.4076  | -4.6366 | 1.2061 | 46.5592 | 8.2466 | 1.20606 |
| 3200 | 4.4176  | -4.6510 | 1.2079 | 46.7473 | 8.1737 | 1.20792 |
| 3300 | 4.4275  | -4.6650 | 1.2097 | 46.9341 | 8.1101 | 1.20965 |

|      |        |         |        |          |         |         |
|------|--------|---------|--------|----------|---------|---------|
| 3400 | 4.4381 | -4.6787 | 1.2117 | 47.1305  | 8.0655  | 1.21166 |
| 3500 | 4.4498 | -4.6923 | 1.2144 | 47.3469  | 8.0480  | 1.21435 |
| 3600 | 4.4632 | -4.7059 | 1.2181 | 47.5954  | 8.0698  | 1.21814 |
| 3700 | 4.4789 | -4.7197 | 1.2235 | 47.8901  | 8.1422  | 1.22354 |
| 3800 | 4.4980 | -4.7340 | 1.2312 | 48.2492  | 8.2828  | 1.23122 |
| 3900 | 4.5209 | -4.7490 | 1.2420 | 48.6930  | 8.5088  | 1.24198 |
| 4000 | 4.5486 | -4.7652 | 1.2568 | 49.2465  | 8.8425  | 1.25680 |
| 4100 | 4.5818 | -4.7828 | 1.2769 | 49.9380  | 9.3104  | 1.27685 |
| 4200 | 4.6205 | -4.8022 | 1.3034 | 50.7968  | 9.9375  | 1.30339 |
| 4300 | 4.6650 | -4.8237 | 1.3378 | 51.8540  | 10.7521 | 1.33782 |
| 4400 | 4.7142 | -4.8476 | 1.3812 | 53.1285  | 11.7680 | 1.38118 |
| 4500 | 4.7670 | -4.8737 | 1.4343 | 54.6340  | 12.9959 | 1.43432 |
| 4600 | 4.8214 | -4.9018 | 1.4967 | 56.3475  | 14.4081 | 1.49671 |
| 4700 | 4.8749 | -4.9309 | 1.5666 | 58.2162  | 15.9504 | 1.56660 |
| 4800 | 4.9250 | -4.9600 | 1.6404 | 60.1450  | 17.5270 | 1.64037 |
| 4900 | 4.9693 | -4.9878 | 1.7129 | 62.0093  | 19.0148 | 1.71293 |
| 5000 | 5.0065 | -5.0131 | 1.7793 | 63.6932  | 20.3017 | 1.77926 |
| 5100 | 5.0359 | -5.0351 | 1.8351 | 65.1006  | 21.2968 | 1.83505 |
| 5200 | 5.0583 | -5.0538 | 1.8792 | 66.2160  | 21.9939 | 1.87923 |
| 5300 | 5.0750 | -5.0697 | 1.9125 | 67.0720  | 22.4249 | 1.91248 |
| 5400 | 5.0873 | -5.0833 | 1.9366 | 67.7112  | 22.6429 | 1.93658 |
| 5500 | 5.0965 | -5.0951 | 1.9538 | 68.1914  | 22.7069 | 1.95376 |
| 5600 | 5.1035 | -5.1056 | 1.9659 | 68.5560  | 22.6648 | 1.96589 |
| 5700 | 5.1091 | -5.1152 | 1.9746 | 68.8491  | 22.5554 | 1.97458 |
| 5800 | 5.1138 | -5.1242 | 1.9810 | 69.0904  | 22.4055 | 1.98095 |
| 5900 | 5.1179 | -5.1327 | 1.9859 | 69.3008  | 22.2340 | 1.98585 |
| 6000 | 5.1216 | -5.1408 | 1.9898 | 69.4931  | 22.0536 | 1.98982 |
| 6100 | 5.1253 | -5.1488 | 1.9933 | 69.6767  | 21.8741 | 1.99330 |
| 6200 | 5.1289 | -5.1565 | 1.9966 | 69.8587  | 21.7018 | 1.99662 |
| 6300 | 5.1326 | -5.1642 | 2.0000 | 70.0443  | 21.5416 | 2.00001 |
| 6400 | 5.1365 | -5.1719 | 2.0037 | 70.2381  | 21.3973 | 2.00365 |
| 6500 | 5.1407 | -5.1795 | 2.0077 | 70.4440  | 21.2725 | 2.00774 |
| 6600 | 5.1453 | -5.1871 | 2.0124 | 70.6656  | 21.1701 | 2.01242 |
| 6700 | 5.1502 | -5.1948 | 2.0178 | 70.9065  | 21.0931 | 2.01785 |
| 6800 | 5.1557 | -5.2026 | 2.0242 | 71.1702  | 21.0447 | 2.02421 |
| 6900 | 5.1617 | -5.2106 | 2.0316 | 71.4605  | 21.0280 | 2.03165 |
| 7000 | 5.1683 | -5.2187 | 2.0403 | 71.7814  | 21.0462 | 2.04036 |
| 7100 | 5.1756 | -5.2270 | 2.0505 | 72.1368  | 21.1027 | 2.05053 |
| 7200 | 5.1837 | -5.2355 | 2.0623 | 72.5314  | 21.2016 | 2.06235 |
| 7300 | 5.1927 | -5.2444 | 2.0760 | 72.9698  | 21.3466 | 2.07607 |
| 7400 | 5.2025 | -5.2536 | 2.0918 | 73.4570  | 21.5421 | 2.09191 |
| 7500 | 5.2134 | -5.2632 | 2.1101 | 73.9980  | 21.7924 | 2.11013 |
| 7600 | 5.2253 | -5.2732 | 2.1309 | 74.5986  | 22.1025 | 2.13103 |
| 7700 | 5.2382 | -5.2837 | 2.1547 | 75.2638  | 22.4765 | 2.15486 |
| 7800 | 5.2523 | -5.2948 | 2.1818 | 76.0000  | 22.9198 | 2.18194 |
| 7900 | 5.2675 | -5.3063 | 2.2124 | 76.8120  | 23.4367 | 2.21257 |
| 8000 | 5.2839 | -5.3185 | 2.2468 | 77.7058  | 24.0322 | 2.24705 |
| 8100 | 5.3014 | -5.3313 | 2.2854 | 78.6860  | 24.7097 | 2.28567 |
| 8200 | 5.3199 | -5.3447 | 2.3284 | 79.7573  | 25.4732 | 2.32872 |
| 8300 | 5.3394 | -5.3588 | 2.3760 | 80.9227  | 26.3248 | 2.37640 |
| 8400 | 5.3599 | -5.3735 | 2.4285 | 82.1846  | 27.2658 | 2.42893 |
| 8500 | 5.3811 | -5.3888 | 2.4858 | 83.5423  | 28.2948 | 2.48636 |
| 8600 | 5.4030 | -5.4046 | 2.5481 | 84.9938  | 29.4090 | 2.54869 |
| 8700 | 5.4253 | -5.4209 | 2.6151 | 86.5343  | 30.6026 | 2.61578 |
| 8800 | 5.4478 | -5.4375 | 2.6866 | 88.1560  | 31.8672 | 2.68735 |
| 8900 | 5.4704 | -5.4545 | 2.7620 | 89.8455  | 33.1889 | 2.76285 |
| 9000 | 5.4927 | -5.4715 | 2.8406 | 91.5882  | 34.5529 | 2.84162 |
| 9100 | 5.5146 | -5.4885 | 2.9218 | 93.3654  | 35.9405 | 2.92265 |
| 9200 | 5.5358 | -5.5054 | 3.0042 | 95.1541  | 37.3287 | 3.00542 |
| 9300 | 5.5561 | -5.5219 | 3.0869 | 96.9317  | 38.6954 | 3.08824 |
| 9400 | 5.5754 | -5.5379 | 3.1687 | 98.6751  | 40.0181 | 3.17015 |
| 9500 | 5.5934 | -5.5532 | 3.2484 | 100.3601 | 41.2731 | 3.24969 |
| 9600 | 5.6101 | -5.5679 | 3.3249 | 101.9680 | 42.4429 | 3.32646 |
| 9700 | 5.6254 | -5.5817 | 3.3972 | 103.4810 | 43.5107 | 3.39888 |
| 9800 | 5.6393 | -5.5947 | 3.4647 | 104.8871 | 44.4659 | 3.46645 |
| 9900 | 5.6518 | -5.6069 | 3.5269 | 106.1790 | 45.3021 | 3.52866 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 10000 | 5.6629 | -5.6182 | 3.5834 | 107.3537 | 46.0177 | 3.58527 |
| 10100 | 5.6728 | -5.6286 | 3.6343 | 108.4113 | 46.6146 | 3.63617 |
| 10200 | 5.6816 | -5.6383 | 3.6797 | 109.3580 | 47.0996 | 3.68156 |
| 10300 | 5.6893 | -5.6472 | 3.7197 | 110.1988 | 47.4792 | 3.72166 |
| 10400 | 5.6961 | -5.6555 | 3.7549 | 110.9439 | 47.7640 | 3.75688 |
| 10500 | 5.7021 | -5.6632 | 3.7856 | 111.6011 | 47.9633 | 3.78759 |
| 10600 | 5.7073 | -5.6704 | 3.8123 | 112.1806 | 48.0875 | 3.81426 |
| 10700 | 5.7120 | -5.6771 | 3.8354 | 112.6914 | 48.1463 | 3.83733 |
| 10800 | 5.7160 | -5.6833 | 3.8553 | 113.1422 | 48.1491 | 3.85723 |
| 10900 | 5.7196 | -5.6893 | 3.8724 | 113.5404 | 48.1037 | 3.87433 |
| 11000 | 5.7228 | -5.6949 | 3.8871 | 113.8939 | 48.0183 | 3.88903 |
| 11100 | 5.7257 | -5.7002 | 3.8998 | 114.2088 | 47.8990 | 3.90166 |
| 11200 | 5.7282 | -5.7053 | 3.9106 | 114.4909 | 47.7520 | 3.91249 |
| 11300 | 5.7305 | -5.7102 | 3.9199 | 114.7444 | 47.5820 | 3.92178 |
| 11400 | 5.7326 | -5.7149 | 3.9279 | 114.9740 | 47.3931 | 3.92976 |
| 11500 | 5.7345 | -5.7195 | 3.9348 | 115.1832 | 47.1892 | 3.93661 |
| 11600 | 5.7363 | -5.7239 | 3.9407 | 115.3748 | 46.9731 | 3.94250 |
| 11700 | 5.7380 | -5.7282 | 3.9458 | 115.5516 | 46.7476 | 3.94757 |
| 11800 | 5.7395 | -5.7324 | 3.9502 | 115.7153 | 46.5147 | 3.95194 |
| 11900 | 5.7409 | -5.7364 | 3.9540 | 115.8684 | 46.2762 | 3.95571 |
| 12000 | 5.7423 | -5.7404 | 3.9573 | 116.0124 | 46.0338 | 3.95897 |
| 12100 | 5.7435 | -5.7444 | 3.9601 | 116.1480 | 45.7885 | 3.96179 |
| 12200 | 5.7448 | -5.7482 | 3.9626 | 116.2769 | 45.5414 | 3.96424 |
| 12300 | 5.7459 | -5.7520 | 3.9648 | 116.3998 | 45.2937 | 3.96637 |
| 12400 | 5.7471 | -5.7557 | 3.9667 | 116.5175 | 45.0458 | 3.96822 |
| 12500 | 5.7482 | -5.7594 | 3.9683 | 116.6309 | 44.7982 | 3.96984 |
| 12600 | 5.7492 | -5.7630 | 3.9697 | 116.7405 | 44.5518 | 3.97128 |
| 12700 | 5.7503 | -5.7666 | 3.9710 | 116.8467 | 44.3069 | 3.97252 |
| 12800 | 5.7513 | -5.7701 | 3.9721 | 116.9501 | 44.0636 | 3.97363 |
| 12900 | 5.7523 | -5.7736 | 3.9732 | 117.0510 | 43.8225 | 3.97462 |
| 13000 | 5.7533 | -5.7770 | 3.9741 | 117.1497 | 43.5838 | 3.97549 |
| 13100 | 5.7542 | -5.7805 | 3.9749 | 117.2465 | 43.3476 | 3.97628 |
| 13200 | 5.7552 | -5.7838 | 3.9756 | 117.3419 | 43.1141 | 3.97701 |
| 13300 | 5.7562 | -5.7872 | 3.9763 | 117.4361 | 42.8838 | 3.97768 |
| 13400 | 5.7571 | -5.7905 | 3.9769 | 117.5292 | 42.6566 | 3.97830 |
| 13500 | 5.7580 | -5.7938 | 3.9775 | 117.6216 | 42.4326 | 3.97889 |
| 13600 | 5.7590 | -5.7971 | 3.9782 | 117.7136 | 42.2122 | 3.97946 |
| 13700 | 5.7599 | -5.8003 | 3.9787 | 117.8052 | 41.9954 | 3.98003 |
| 13800 | 5.7609 | -5.8035 | 3.9793 | 117.8970 | 41.7825 | 3.98060 |
| 13900 | 5.7618 | -5.8068 | 3.9799 | 117.9890 | 41.5736 | 3.98120 |
| 14000 | 5.7630 | -5.8099 | 3.9806 | 118.1014 | 41.3890 | 3.98182 |
| 14100 | 5.7638 | -5.8131 | 3.9813 | 118.1753 | 41.1689 | 3.98250 |
| 14200 | 5.7648 | -5.8162 | 3.9820 | 118.2703 | 40.9737 | 3.98324 |
| 14300 | 5.7658 | -5.8194 | 3.9829 | 118.3669 | 40.7836 | 3.98405 |
| 14400 | 5.7669 | -5.8225 | 3.9838 | 118.4661 | 40.5990 | 3.98496 |
| 14500 | 5.7680 | -5.8256 | 3.9848 | 118.5678 | 40.4204 | 3.98600 |
| 14600 | 5.7691 | -5.8288 | 3.9860 | 118.6726 | 40.2481 | 3.98718 |
| 14700 | 5.7703 | -5.8319 | 3.9874 | 118.7816 | 40.0828 | 3.98854 |
| 14800 | 5.7715 | -5.8350 | 3.9890 | 118.8952 | 39.9251 | 3.99009 |
| 14900 | 5.7728 | -5.8381 | 3.9908 | 119.0139 | 39.7756 | 3.99187 |
| 15000 | 5.7742 | -5.8412 | 3.9928 | 119.1391 | 39.6352 | 3.99394 |

LOG P=-3.4

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5417  | -2.9636 | 1.0000 | 27.9121 | 3.4806 | 1.00000 |
| 200  | 2.8434  | -3.2646 | 1.0000 | 30.3309 | 3.4862 | 1.00000 |
| 300  | 3.0198  | -3.4407 | 1.0000 | 31.7478 | 3.4891 | 1.00000 |
| 400  | 3.1455  | -3.5657 | 1.0000 | 32.7580 | 3.4952 | 1.00000 |
| 500  | 3.2440  | -3.6626 | 1.0000 | 33.5522 | 3.5074 | 1.00000 |
| 600  | 3.3256  | -3.7417 | 1.0000 | 34.2120 | 3.5270 | 1.00000 |
| 700  | 3.3955  | -3.8087 | 1.0000 | 34.7830 | 3.5516 | 1.00000 |
| 800  | 3.4572  | -3.8667 | 1.0000 | 35.2884 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -3.9178 | 1.0000 | 35.7440 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -3.9636 | 1.0000 | 36.1591 | 3.6467 | 1.00000 |

|      |        |         |        |         |         |         |
|------|--------|---------|--------|---------|---------|---------|
| 1100 | 3.6071 | -4.0050 | 1.0000 | 36.5415 | 3.6791  | 1.00000 |
| 1200 | 3.6488 | -4.0428 | 1.0000 | 36.8974 | 3.7122  | 1.00000 |
| 1300 | 3.6874 | -4.0775 | 1.0000 | 37.2284 | 3.7452  | 1.00000 |
| 1400 | 3.7234 | -4.1097 | 1.0000 | 37.5389 | 3.7779  | 1.00000 |
| 1500 | 3.7571 | -4.1402 | 1.0000 | 37.7943 | 3.8106  | 1.00000 |
| 1500 | 3.7572 | -4.1400 | 1.0001 | 37.8358 | 3.8114  | 1.00005 |
| 1600 | 3.7894 | -4.1681 | 1.0002 | 38.1193 | 3.8481  | 1.00016 |
| 1700 | 3.8206 | -4.1945 | 1.0005 | 38.3974 | 3.8920  | 1.00051 |
| 1800 | 3.8521 | -4.2197 | 1.0014 | 38.6816 | 3.9516  | 1.00137 |
| 1900 | 3.8856 | -4.2441 | 1.0034 | 38.9904 | 4.0445  | 1.00335 |
| 2000 | 3.9239 | -4.2681 | 1.0074 | 39.3525 | 4.1959  | 1.00744 |
| 2100 | 3.9697 | -4.2926 | 1.0152 | 39.8083 | 4.4412  | 1.01517 |
| 2200 | 4.0259 | -4.3185 | 1.0286 | 40.4058 | 4.8245  | 1.02856 |
| 2300 | 4.0923 | -4.3466 | 1.0495 | 41.1844 | 5.3767  | 1.04953 |
| 2400 | 4.1649 | -4.3770 | 1.0787 | 42.1424 | 6.0911  | 1.07868 |
| 2500 | 4.2354 | -4.4084 | 1.1132 | 43.1935 | 6.8780  | 1.11318 |
| 2600 | 4.2942 | -4.4382 | 1.1465 | 44.1709 | 7.5716  | 1.14648 |
| 2700 | 4.3363 | -4.4641 | 1.1720 | 44.9280 | 8.0331  | 1.17198 |
| 2800 | 4.3639 | -4.4859 | 1.1881 | 45.4473 | 8.2560  | 1.18809 |
| 2900 | 4.3823 | -4.5044 | 1.1972 | 45.7982 | 8.3158  | 1.19720 |
| 3000 | 4.3957 | -4.5210 | 1.2022 | 46.0552 | 8.2908  | 1.20224 |
| 3100 | 4.4066 | -4.5363 | 1.2052 | 46.2657 | 8.2307  | 1.20522 |
| 3200 | 4.4169 | -4.5508 | 1.2073 | 46.4562 | 8.1607  | 1.20728 |
| 3300 | 4.4268 | -4.5648 | 1.2091 | 46.6420 | 8.0964  | 1.20906 |
| 3400 | 4.4372 | -4.5785 | 1.2110 | 46.8342 | 8.0482  | 1.21100 |
| 3500 | 4.4484 | -4.5920 | 1.2135 | 47.0431 | 8.0237  | 1.21349 |
| 3600 | 4.4613 | -4.6054 | 1.2169 | 47.2796 | 8.0343  | 1.21694 |
| 3700 | 4.4762 | -4.6191 | 1.2218 | 47.5567 | 8.0903  | 1.22181 |
| 3800 | 4.4940 | -4.6331 | 1.2287 | 47.8908 | 8.2076  | 1.22870 |
| 3900 | 4.5154 | -4.6478 | 1.2383 | 48.3002 | 8.4016  | 1.23834 |
| 4000 | 4.5412 | -4.6634 | 1.2516 | 48.8074 | 8.6923  | 1.25160 |
| 4100 | 4.5720 | -4.6803 | 1.2696 | 49.4385 | 9.1040  | 1.26956 |
| 4200 | 4.6082 | -4.6988 | 1.2934 | 50.2204 | 9.6601  | 1.29338 |
| 4300 | 4.6500 | -4.7193 | 1.3244 | 51.1830 | 10.3877 | 1.32439 |
| 4400 | 4.6966 | -4.7420 | 1.3637 | 52.3469 | 11.3024 | 1.36365 |
| 4500 | 4.7473 | -4.7670 | 1.4122 | 53.7307 | 12.4203 | 1.41217 |
| 4600 | 4.8003 | -4.7939 | 1.4699 | 55.3233 | 13.7257 | 1.46990 |
| 4700 | 4.8534 | -4.8223 | 1.5358 | 57.0907 | 15.1824 | 1.53580 |
| 4800 | 4.9043 | -4.8512 | 1.6072 | 58.9591 | 16.7149 | 1.60716 |
| 4900 | 4.9506 | -4.8793 | 1.6796 | 60.8193 | 18.2155 | 1.67961 |
| 5000 | 4.9906 | -4.9054 | 1.7483 | 62.5589 | 19.5732 | 1.74828 |
| 5100 | 5.0231 | -4.9287 | 1.8083 | 64.0638 | 20.6793 | 1.80830 |
| 5200 | 5.0485 | -4.9488 | 1.8575 | 65.2959 | 21.5020 | 1.85754 |
| 5300 | 5.0677 | -4.9659 | 1.8957 | 66.2598 | 22.0511 | 1.89572 |
| 5400 | 5.0820 | -4.9805 | 1.9240 | 66.9914 | 22.3675 | 1.92404 |
| 5500 | 5.0927 | -4.9930 | 1.9446 | 67.5429 | 22.5073 | 1.94455 |
| 5600 | 5.1008 | -5.0041 | 1.9591 | 67.9613 | 22.5199 | 1.95914 |
| 5700 | 5.1071 | -5.0141 | 1.9696 | 68.2888 | 22.4492 | 1.96961 |
| 5800 | 5.1122 | -5.0233 | 1.9772 | 68.5544 | 22.3253 | 1.97722 |
| 5900 | 5.1166 | -5.0320 | 1.9829 | 68.7805 | 22.1706 | 1.98294 |
| 6000 | 5.1206 | -5.0403 | 1.9874 | 68.9819 | 22.0002 | 1.98744 |
| 6100 | 5.1243 | -5.0483 | 1.9912 | 69.1695 | 21.8257 | 1.99124 |
| 6200 | 5.1279 | -5.0561 | 1.9947 | 69.3516 | 21.6543 | 1.99467 |
| 6300 | 5.1316 | -5.0638 | 1.9980 | 69.5342 | 21.4918 | 1.99804 |
| 6400 | 5.1354 | -5.0714 | 2.0015 | 69.7221 | 21.3423 | 2.00154 |
| 6500 | 5.1395 | -5.0790 | 2.0054 | 69.9193 | 21.2097 | 2.00536 |
| 6600 | 5.1438 | -5.0865 | 2.0097 | 70.1295 | 21.0970 | 2.00967 |
| 6700 | 5.1484 | -5.0941 | 2.0146 | 70.3561 | 21.0070 | 2.01461 |
| 6800 | 5.1535 | -5.1018 | 2.0203 | 70.6025 | 20.9427 | 2.02036 |
| 6900 | 5.1591 | -5.1096 | 2.0270 | 70.8722 | 20.9070 | 2.02704 |
| 7000 | 5.1653 | -5.1175 | 2.0348 | 71.1688 | 20.9028 | 2.03485 |
| 7100 | 5.1721 | -5.1256 | 2.0439 | 71.4960 | 20.9333 | 2.04395 |
| 7200 | 5.1796 | -5.1339 | 2.0545 | 71.8580 | 21.0021 | 2.05452 |
| 7300 | 5.1879 | -5.1425 | 2.0667 | 72.2588 | 21.1127 | 2.06677 |
| 7400 | 5.1970 | -5.1513 | 2.0809 | 72.7032 | 21.2687 | 2.08092 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 7500  | 5.2070 | -5.1605 | 2.0971 | 73.1954  | 21.4741 | 2.09719 |
| 7600  | 5.2180 | -5.1701 | 2.1158 | 73.7409  | 21.7336 | 2.11585 |
| 7700  | 5.2299 | -5.1802 | 2.1370 | 74.3443  | 22.0509 | 2.13714 |
| 7800  | 5.2429 | -5.1907 | 2.1612 | 75.0113  | 22.4309 | 2.16135 |
| 7900  | 5.2570 | -5.2016 | 2.1886 | 75.7465  | 22.8776 | 2.18874 |
| 8000  | 5.2722 | -5.2132 | 2.2194 | 76.5557  | 23.3959 | 2.21962 |
| 8100  | 5.2885 | -5.2253 | 2.2540 | 77.4432  | 23.9893 | 2.25426 |
| 8200  | 5.3058 | -5.2380 | 2.2926 | 78.4141  | 24.6619 | 2.29294 |
| 8300  | 5.3242 | -5.2513 | 2.3355 | 79.4719  | 25.4164 | 2.33590 |
| 8400  | 5.3435 | -5.2653 | 2.3829 | 80.6200  | 26.2551 | 2.38337 |
| 8500  | 5.3636 | -5.2798 | 2.4350 | 81.8591  | 27.1781 | 2.43546 |
| 8600  | 5.3845 | -5.2949 | 2.4917 | 83.1891  | 28.1844 | 2.49228 |
| 8700  | 5.4060 | -5.3104 | 2.5531 | 84.6076  | 29.2710 | 2.55378 |
| 8800  | 5.4278 | -5.3265 | 2.6191 | 86.1101  | 30.4322 | 2.61983 |
| 8900  | 5.4499 | -5.3429 | 2.6892 | 87.6874  | 31.6586 | 2.69009 |
| 9000  | 5.4720 | -5.3595 | 2.7631 | 89.3289  | 32.9392 | 2.76411 |
| 9100  | 5.4938 | -5.3762 | 2.8402 | 91.0204  | 34.2595 | 2.84127 |
| 9200  | 5.5152 | -5.3929 | 2.9195 | 92.7428  | 35.6005 | 2.92068 |
| 9300  | 5.5360 | -5.4095 | 3.0002 | 94.4777  | 36.9431 | 3.00148 |
| 9400  | 5.5560 | -5.4257 | 3.0811 | 96.2035  | 38.2664 | 3.08258 |
| 9500  | 5.5748 | -5.4414 | 3.1612 | 97.8961  | 39.5471 | 3.16278 |
| 9600  | 5.5926 | -5.4566 | 3.2394 | 99.5362  | 40.7867 | 3.24106 |
| 9700  | 5.6090 | -5.4711 | 3.3146 | 101.1035 | 41.9056 | 3.31633 |
| 9800  | 5.6242 | -5.4848 | 3.3859 | 102.5827 | 42.9499 | 3.38775 |
| 9900  | 5.6380 | -5.4977 | 3.4527 | 103.9625 | 43.8890 | 3.45461 |
| 10000 | 5.6505 | -5.5097 | 3.5145 | 105.2353 | 44.7165 | 3.51645 |
| 10100 | 5.6617 | -5.5210 | 3.5709 | 106.3963 | 45.4292 | 3.57290 |
| 10200 | 5.6716 | -5.5314 | 3.6219 | 107.4478 | 46.0302 | 3.62398 |
| 10300 | 5.6805 | -5.5411 | 3.6676 | 108.3914 | 46.5224 | 3.66969 |
| 10400 | 5.6883 | -5.5501 | 3.7082 | 109.2347 | 46.9141 | 3.71032 |
| 10500 | 5.6953 | -5.5584 | 3.7440 | 109.9837 | 47.2127 | 3.74613 |
| 10600 | 5.7013 | -5.5661 | 3.7754 | 110.6476 | 47.4280 | 3.77753 |
| 10700 | 5.7067 | -5.5733 | 3.8028 | 111.2348 | 47.5691 | 3.80491 |
| 10800 | 5.7114 | -5.5801 | 3.8266 | 111.7540 | 47.6452 | 3.82871 |
| 10900 | 5.7156 | -5.5864 | 3.8472 | 112.2131 | 47.6650 | 3.84930 |
| 11000 | 5.7193 | -5.5924 | 3.8650 | 112.6201 | 47.6367 | 3.86710 |
| 11100 | 5.7226 | -5.5981 | 3.8804 | 112.9819 | 47.5677 | 3.88247 |
| 11200 | 5.7256 | -5.6034 | 3.8936 | 113.3049 | 47.4644 | 3.89570 |
| 11300 | 5.7282 | -5.6086 | 3.9051 | 113.5940 | 47.3323 | 3.90710 |
| 11400 | 5.7306 | -5.6135 | 3.9149 | 113.8543 | 47.1763 | 3.91692 |
| 11500 | 5.7328 | -5.6182 | 3.9234 | 114.0903 | 47.0010 | 3.92538 |
| 11600 | 5.7348 | -5.6228 | 3.9307 | 114.3050 | 46.8096 | 3.93267 |
| 11700 | 5.7366 | -5.6272 | 3.9370 | 114.5017 | 46.6053 | 3.93896 |
| 11800 | 5.7383 | -5.6315 | 3.9425 | 114.6827 | 46.3907 | 3.94439 |
| 11900 | 5.7399 | -5.6357 | 3.9472 | 114.8506 | 46.1681 | 3.94908 |
| 12000 | 5.7414 | -5.6398 | 3.9513 | 115.0074 | 45.9393 | 3.95314 |
| 12100 | 5.7428 | -5.6438 | 3.9548 | 115.1541 | 45.7058 | 3.95667 |
| 12200 | 5.7441 | -5.6477 | 3.9579 | 115.2925 | 45.4690 | 3.95972 |
| 12300 | 5.7453 | -5.6515 | 3.9606 | 115.4237 | 45.2299 | 3.96238 |
| 12400 | 5.7465 | -5.6553 | 3.9629 | 115.5485 | 44.9896 | 3.96469 |
| 12500 | 5.7477 | -5.6590 | 3.9650 | 115.6680 | 44.7487 | 3.96672 |
| 12600 | 5.7488 | -5.6627 | 3.9668 | 115.7828 | 44.5079 | 3.96850 |
| 12700 | 5.7499 | -5.6663 | 3.9684 | 115.8937 | 44.2678 | 3.97005 |
| 12800 | 5.7510 | -5.6698 | 3.9698 | 116.0009 | 44.0288 | 3.97142 |
| 12900 | 5.7520 | -5.6733 | 3.9710 | 116.1051 | 43.7912 | 3.97264 |
| 13000 | 5.7530 | -5.6768 | 3.9721 | 116.2067 | 43.5554 | 3.97371 |
| 13100 | 5.7540 | -5.6803 | 3.9731 | 116.3057 | 43.3219 | 3.97468 |
| 13200 | 5.7550 | -5.6837 | 3.9740 | 116.4031 | 43.0906 | 3.97555 |
| 13300 | 5.7559 | -5.6870 | 3.9748 | 116.4988 | 42.8619 | 3.97633 |
| 13400 | 5.7569 | -5.6904 | 3.9755 | 116.5930 | 42.6359 | 3.97706 |
| 13500 | 5.7578 | -5.6937 | 3.9762 | 116.6861 | 42.4130 | 3.97773 |
| 13600 | 5.7588 | -5.6969 | 3.9769 | 116.7786 | 42.1930 | 3.97837 |
| 13700 | 5.7597 | -5.7002 | 3.9775 | 116.8702 | 41.9764 | 3.97898 |
| 13800 | 5.7607 | -5.7034 | 3.9781 | 116.9616 | 41.7632 | 3.97958 |
| 13900 | 5.7616 | -5.7066 | 3.9788 | 117.0528 | 41.5537 | 3.98018 |
| 14000 | 5.7628 | -5.7098 | 3.9794 | 117.1640 | 41.3679 | 3.98078 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 14100 | 5.7636 | -5.7130 | 3.9800 | 117.2362 | 41.1464 | 3.98142 |
| 14200 | 5.7645 | -5.7161 | 3.9807 | 117.3290 | 40.9492 | 3.98210 |
| 14300 | 5.7655 | -5.7192 | 3.9815 | 117.4228 | 40.7563 | 3.98283 |
| 14400 | 5.7666 | -5.7224 | 3.9823 | 117.5184 | 40.5685 | 3.98363 |
| 14500 | 5.7676 | -5.7255 | 3.9832 | 117.6158 | 40.3858 | 3.98452 |
| 14600 | 5.7687 | -5.7286 | 3.9842 | 117.7155 | 40.2087 | 3.98531 |
| 14700 | 5.7698 | -5.7316 | 3.9854 | 117.8185 | 40.0376 | 3.98665 |
| 14800 | 5.7709 | -5.7347 | 3.9867 | 117.9249 | 39.8730 | 3.98793 |
| 14900 | 5.7722 | -5.7378 | 3.9882 | 118.0353 | 39.7155 | 3.98941 |
| 15000 | 5.7734 | -5.7409 | 3.9899 | 118.1506 | 39.5657 | 3.99109 |

LOG P=-3.3

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/R1    | Z*      |
|------|---------|---------|--------|---------|---------|---------|
| 100  | 2.5417  | -2.8636 | 1.0000 | 27.6816 | 3.4806  | 1.00000 |
| 200  | 2.8434  | -3.1646 | 1.0000 | 30.1006 | 3.4862  | 1.00000 |
| 300  | 3.0198  | -3.3407 | 1.0000 | 31.5176 | 3.4891  | 1.00000 |
| 400  | 3.1455  | -3.4657 | 1.0000 | 32.5280 | 3.4952  | 1.00000 |
| 500  | 3.2440  | -3.5626 | 1.0000 | 33.3219 | 3.5074  | 1.00000 |
| 600  | 3.3256  | -3.6417 | 1.0000 | 33.9820 | 3.5270  | 1.00000 |
| 700  | 3.3955  | -3.7087 | 1.0000 | 34.5530 | 3.5516  | 1.00000 |
| 800  | 3.4572  | -3.7667 | 1.0000 | 35.0582 | 3.5817  | 1.00000 |
| 900  | 3.5121  | -3.8178 | 1.0000 | 35.5140 | 3.6129  | 1.00000 |
| 1000 | 3.5619  | -3.8636 | 1.0000 | 35.9286 | 3.6467  | 1.00000 |
| 1100 | 3.6071  | -3.9050 | 1.0000 | 36.3110 | 3.6791  | 1.00000 |
| 1200 | 3.6488  | -3.9428 | 1.0000 | 36.6671 | 3.7122  | 1.00000 |
| 1300 | 3.6874  | -3.9775 | 1.0000 | 36.9982 | 3.7452  | 1.00000 |
| 1400 | 3.7234  | -4.0097 | 1.0000 | 37.3084 | 3.7779  | 1.00000 |
| 1500 | 3.7571  | -4.0400 | 1.0000 | 37.5926 | 3.8106  | 1.00000 |
| 1500 | 3.7572  | -4.0400 | 1.0000 | 37.6053 | 3.8112  | 1.00004 |
| 1600 | 3.7893  | -4.0680 | 1.0002 | 37.8843 | 3.8474  | 1.00015 |
| 1700 | 3.8204  | -4.0945 | 1.0005 | 38.1651 | 3.8900  | 1.00045 |
| 1800 | 3.8515  | -4.1197 | 1.0012 | 38.4459 | 3.9465  | 1.00122 |
| 1900 | 3.8844  | -4.1439 | 1.0030 | 38.7477 | 4.0328  | 1.00299 |
| 2000 | 3.9213  | -4.1678 | 1.0066 | 39.0962 | 4.1714  | 1.00664 |
| 2100 | 3.9651  | -4.1919 | 1.0136 | 39.5280 | 4.3945  | 1.01357 |
| 2200 | 4.0185  | -4.2173 | 1.0256 | 40.0879 | 4.7430  | 1.02563 |
| 2300 | 4.0818  | -4.2446 | 1.0447 | 40.8156 | 5.2490  | 1.04472 |
| 2400 | 4.1522  | -4.2742 | 1.0718 | 41.7197 | 5.9159  | 1.07178 |
| 2500 | 4.2225  | -4.3051 | 1.1049 | 42.7372 | 6.6769  | 1.10490 |
| 2600 | 4.2834  | -4.3352 | 1.1385 | 43.7233 | 7.3870  | 1.13853 |
| 2700 | 4.3289  | -4.3619 | 1.1659 | 44.5237 | 7.8980  | 1.16588 |
| 2800 | 4.3595  | -4.3844 | 1.1841 | 45.0904 | 8.1722  | 1.18411 |
| 2900 | 4.3798  | -4.4035 | 1.1948 | 45.4744 | 8.2674  | 1.19477 |
| 3000 | 4.3942  | -4.4204 | 1.2008 | 45.7503 | 8.2625  | 1.20075 |
| 3100 | 4.4058  | -4.4359 | 1.2043 | 45.9701 | 8.2125  | 1.20425 |
| 3200 | 4.4161  | -4.4506 | 1.2066 | 46.1642 | 8.1466  | 1.20656 |
| 3300 | 4.4261  | -4.4646 | 1.2084 | 46.3499 | 8.0827  | 1.20843 |
| 3400 | 4.4363  | -4.4782 | 1.2103 | 46.5390 | 8.0317  | 1.21034 |
| 3500 | 4.4472  | -4.4917 | 1.2127 | 46.7413 | 8.0013  | 1.21268 |
| 3600 | 4.4595  | -4.5050 | 1.2158 | 46.9673 | 8.0021  | 1.21583 |
| 3700 | 4.4737  | -4.5185 | 1.2202 | 47.2289 | 8.0436  | 1.22023 |
| 3800 | 4.4904  | -4.5323 | 1.2264 | 47.5407 | 8.1402  | 1.22643 |
| 3900 | 4.5104  | -4.5466 | 1.2351 | 47.9194 | 8.3055  | 1.23506 |
| 4000 | 4.5344  | -4.5618 | 1.2469 | 48.3853 | 8.5577  | 1.24693 |
| 4100 | 4.5631  | -4.5781 | 1.2630 | 48.9620 | 8.9190  | 1.26302 |
| 4200 | 4.5969  | -4.5958 | 1.2844 | 49.6744 | 9.4108  | 1.28438 |
| 4300 | 4.6360  | -4.6154 | 1.3123 | 50.5508 | 10.0589 | 1.31227 |
| 4400 | 4.6801  | -4.6369 | 1.3477 | 51.6124 | 10.8799 | 1.34773 |
| 4500 | 4.7285  | -4.6607 | 1.3919 | 52.8807 | 11.8931 | 1.39189 |
| 4600 | 4.7798  | -4.6865 | 1.4450 | 54.3540 | 13.0919 | 1.44501 |
| 4700 | 4.8321  | -4.7140 | 1.5066 | 56.0122 | 14.4539 | 1.50660 |
| 4800 | 4.8833  | -4.7423 | 1.5748 | 57.8017 | 15.9234 | 1.57478 |
| 4900 | 4.9310  | -4.7705 | 1.6460 | 59.6317 | 17.4103 | 1.64602 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 5000  | 4.9734 | -4.7973 | 1.7159 | 61.3988  | 18.8121 | 1.71590 |
| 5100  | 5.0088 | -4.8217 | 1.7793 | 62.9808  | 20.0095 | 1.77928 |
| 5200  | 5.0372 | -4.8431 | 1.8332 | 64.3184  | 20.9494 | 1.83316 |
| 5300  | 5.0591 | -4.8614 | 1.8763 | 65.3933  | 21.6190 | 1.87632 |
| 5400  | 5.0757 | -4.8771 | 1.9092 | 66.2248  | 22.0424 | 1.90921 |
| 5500  | 5.0881 | -4.8906 | 1.9335 | 66.8573  | 22.2684 | 1.93349 |
| 5600  | 5.0974 | -4.9023 | 1.9510 | 67.3369  | 22.3459 | 1.95099 |
| 5700  | 5.1046 | -4.9128 | 1.9636 | 67.7084  | 22.3218 | 1.96360 |
| 5800  | 5.1104 | -4.9224 | 1.9727 | 68.0045  | 22.2301 | 1.97273 |
| 5900  | 5.1152 | -4.9313 | 1.9795 | 68.2508  | 22.0971 | 1.97951 |
| 6000  | 5.1194 | -4.9397 | 1.9847 | 68.4647  | 21.9403 | 1.98470 |
| 6100  | 5.1233 | -4.9478 | 1.9889 | 68.6591  | 21.7735 | 1.98893 |
| 6200  | 5.1270 | -4.9557 | 1.9926 | 68.8437  | 21.6055 | 1.99260 |
| 6300  | 5.1306 | -4.9634 | 1.9960 | 69.0252  | 21.4426 | 1.99603 |
| 6400  | 5.1344 | -4.9710 | 1.9995 | 69.2089  | 21.2898 | 1.99946 |
| 6500  | 5.1383 | -4.9785 | 2.0031 | 69.3993  | 21.1511 | 2.00310 |
| 6600  | 5.1424 | -4.9860 | 2.0071 | 69.5999  | 21.0298 | 2.00711 |
| 6700  | 5.1468 | -4.9935 | 2.0116 | 69.8143  | 20.9287 | 2.01164 |
| 6800  | 5.1516 | -5.0010 | 2.0168 | 70.0457  | 20.8506 | 2.01686 |
| 6900  | 5.1569 | -5.0087 | 2.0229 | 70.2973  | 20.7982 | 2.02289 |
| 7000  | 5.1626 | -5.0164 | 2.0299 | 70.5724  | 20.7744 | 2.02991 |
| 7100  | 5.1689 | -5.0243 | 2.0380 | 70.8746  | 20.7818 | 2.03805 |
| 7200  | 5.1759 | -5.0324 | 2.0475 | 71.2075  | 20.8239 | 2.04751 |
| 7300  | 5.1835 | -5.0407 | 2.0584 | 71.5750  | 20.9036 | 2.05846 |
| 7400  | 5.1920 | -5.0493 | 2.0710 | 71.9809  | 21.0244 | 2.07110 |
| 7500  | 5.2012 | -5.0581 | 2.0855 | 72.4297  | 21.1899 | 2.08562 |
| 7600  | 5.2113 | -5.0673 | 2.1022 | 72.9259  | 21.4042 | 2.10228 |
| 7700  | 5.2224 | -5.0769 | 2.1212 | 73.4738  | 21.6707 | 2.12130 |
| 7800  | 5.2344 | -5.0869 | 2.1428 | 74.0787  | 21.9939 | 2.14293 |
| 7900  | 5.2474 | -5.0974 | 2.1672 | 74.7448  | 22.3776 | 2.16741 |
| 8000  | 5.2615 | -5.1084 | 2.1948 | 75.4777  | 22.8262 | 2.19505 |
| 8100  | 5.2767 | -5.1198 | 2.2258 | 76.2813  | 23.3432 | 2.22608 |
| 8200  | 5.2928 | -5.1319 | 2.2605 | 77.1608  | 23.9328 | 2.26078 |
| 8300  | 5.3100 | -5.1445 | 2.2991 | 78.1200  | 24.5980 | 2.29941 |
| 8400  | 5.3281 | -5.1577 | 2.3418 | 79.1624  | 25.3414 | 2.34218 |
| 8500  | 5.3471 | -5.1715 | 2.3888 | 80.2902  | 26.1645 | 2.38927 |
| 8600  | 5.3669 | -5.1858 | 2.4403 | 81.5043  | 27.0674 | 2.44084 |
| 8700  | 5.3874 | -5.2007 | 2.4963 | 82.8045  | 28.0491 | 2.49691 |
| 8800  | 5.4085 | -5.2160 | 2.5567 | 84.1889  | 29.1068 | 2.55748 |
| 8900  | 5.4299 | -5.2318 | 2.6215 | 85.6513  | 30.2340 | 2.62238 |
| 9000  | 5.4515 | -5.2479 | 2.6903 | 87.1848  | 31.4229 | 2.69130 |
| 9100  | 5.4731 | -5.2642 | 2.7628 | 88.7793  | 32.6630 | 2.76384 |
| 9200  | 5.4945 | -5.2807 | 2.8381 | 90.4192  | 33.9389 | 2.83931 |
| 9300  | 5.5155 | -5.2971 | 2.9157 | 92.0894  | 35.2350 | 2.91699 |
| 9400  | 5.5358 | -5.3133 | 2.9946 | 93.7718  | 36.5335 | 2.99601 |
| 9500  | 5.5554 | -5.3292 | 3.0737 | 95.4447  | 37.8132 | 3.07530 |
| 9600  | 5.5740 | -5.3447 | 3.1522 | 97.0895  | 39.0555 | 3.15389 |
| 9700  | 5.5914 | -5.3597 | 3.2289 | 98.6852  | 40.2406 | 3.23070 |
| 9800  | 5.6077 | -5.3740 | 3.3029 | 100.2145 | 41.3518 | 3.30478 |
| 9900  | 5.6228 | -5.3876 | 3.3733 | 101.6629 | 42.3753 | 3.37530 |
| 10000 | 5.6365 | -5.4004 | 3.4395 | 103.0188 | 43.3007 | 3.44159 |
| 10100 | 5.6490 | -5.4124 | 3.5009 | 104.2724 | 44.1195 | 3.50303 |
| 10200 | 5.6602 | -5.4236 | 3.5573 | 105.4224 | 44.8313 | 3.55945 |
| 10300 | 5.6702 | -5.4340 | 3.6084 | 106.4665 | 45.4352 | 3.61065 |
| 10400 | 5.6792 | -5.4437 | 3.6545 | 107.4092 | 45.9365 | 3.65676 |
| 10500 | 5.6871 | -5.4527 | 3.6956 | 108.2540 | 46.3399 | 3.69790 |
| 10600 | 5.6942 | -5.4611 | 3.7320 | 109.0084 | 46.6534 | 3.73436 |
| 10700 | 5.7004 | -5.4689 | 3.7642 | 109.6795 | 46.8852 | 3.76648 |
| 10800 | 5.7059 | -5.4762 | 3.7923 | 110.2753 | 47.0441 | 3.79464 |
| 10900 | 5.7108 | -5.4830 | 3.8169 | 110.8036 | 47.1383 | 3.81921 |
| 11000 | 5.7151 | -5.4894 | 3.8383 | 111.2724 | 47.1764 | 3.84059 |
| 11100 | 5.7190 | -5.4954 | 3.8569 | 111.6891 | 47.1660 | 3.85916 |
| 11200 | 5.7224 | -5.5011 | 3.8729 | 112.0602 | 47.1143 | 3.87523 |
| 11300 | 5.7254 | -5.5065 | 3.8869 | 112.3917 | 47.0274 | 3.88914 |
| 11400 | 5.7282 | -5.5117 | 3.8989 | 112.6890 | 46.9109 | 3.90117 |
| 11500 | 5.7307 | -5.5167 | 3.9093 | 112.9573 | 46.7701 | 3.91157 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 11600 | 5.7329 | -5.5214 | 3.9183 | 113.1997 | 46.6081 | 3.92055 |
| 11700 | 5.7350 | -5.5260 | 3.9261 | 113.4206 | 46.4296 | 3.92832 |
| 11800 | 5.7369 | -5.5305 | 3.9329 | 113.6226 | 46.2373 | 3.93504 |
| 11900 | 5.7386 | -5.5348 | 3.9387 | 113.8086 | 46.0341 | 3.94086 |
| 12000 | 5.7403 | -5.5390 | 3.9438 | 113.9811 | 45.8220 | 3.94591 |
| 12100 | 5.7418 | -5.5430 | 3.9482 | 114.1414 | 45.6030 | 3.95029 |
| 12200 | 5.7432 | -5.5470 | 3.9521 | 114.2916 | 45.3788 | 3.95409 |
| 12300 | 5.7446 | -5.5510 | 3.9554 | 114.4330 | 45.1506 | 3.95740 |
| 12400 | 5.7459 | -5.5548 | 3.9583 | 114.5666 | 44.9197 | 3.96029 |
| 12500 | 5.7471 | -5.5586 | 3.9609 | 114.6938 | 44.6870 | 3.96281 |
| 12600 | 5.7483 | -5.5623 | 3.9631 | 114.8152 | 44.4533 | 3.96502 |
| 12700 | 5.7494 | -5.5659 | 3.9651 | 114.9318 | 44.2193 | 3.96696 |
| 12800 | 5.7505 | -5.5695 | 3.9668 | 115.0440 | 43.9856 | 3.96866 |
| 12900 | 5.7516 | -5.5731 | 3.9683 | 115.1525 | 43.7526 | 3.97017 |
| 13000 | 5.7526 | -5.5766 | 3.9697 | 115.2577 | 43.5209 | 3.97149 |
| 13100 | 5.7537 | -5.5800 | 3.9709 | 115.3598 | 43.2905 | 3.97268 |
| 13200 | 5.7547 | -5.5834 | 3.9720 | 115.4598 | 43.0621 | 3.97374 |
| 13300 | 5.7557 | -5.5868 | 3.9730 | 115.5577 | 42.8358 | 3.97469 |
| 13400 | 5.7566 | -5.5902 | 3.9738 | 115.6536 | 42.6118 | 3.97555 |
| 13500 | 5.7576 | -5.5935 | 3.9747 | 115.7481 | 42.3903 | 3.97634 |
| 13600 | 5.7586 | -5.5968 | 3.9754 | 115.8415 | 42.1716 | 3.97708 |
| 13700 | 5.7595 | -5.6000 | 3.9761 | 115.9338 | 41.9557 | 3.97776 |
| 13800 | 5.7605 | -5.6033 | 3.9768 | 116.0254 | 41.7430 | 3.97842 |
| 13900 | 5.7614 | -5.6065 | 3.9775 | 116.1164 | 41.5335 | 3.97906 |
| 14000 | 5.7626 | -5.6097 | 3.9781 | 116.2272 | 41.3472 | 3.97968 |
| 14100 | 5.7633 | -5.6128 | 3.9788 | 116.2983 | 41.1249 | 3.98032 |
| 14200 | 5.7643 | -5.6160 | 3.9794 | 116.3897 | 40.9263 | 3.98096 |
| 14300 | 5.7653 | -5.6191 | 3.9801 | 116.4816 | 40.7317 | 3.98164 |
| 14400 | 5.7663 | -5.6222 | 3.9809 | 116.5746 | 40.5415 | 3.98238 |
| 14500 | 5.7673 | -5.6253 | 3.9817 | 116.6689 | 40.3558 | 3.98317 |
| 14600 | 5.7683 | -5.6284 | 3.9826 | 116.7647 | 40.1750 | 3.98403 |
| 14700 | 5.7694 | -5.6315 | 3.9836 | 116.8629 | 39.9995 | 3.98501 |
| 14800 | 5.7705 | -5.6345 | 3.9847 | 116.9637 | 39.8297 | 3.98609 |
| 14900 | 5.7716 | -5.6376 | 3.9859 | 117.0676 | 39.6659 | 3.98732 |
| 15000 | 5.7728 | -5.6406 | 3.9873 | 117.1752 | 39.5087 | 3.98872 |

LOG P=-3.2

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5417  | -2.7636 | 1.0000 | 27.4512 | 3.4806 | 1.00000 |
| 200  | 2.8434  | -3.0646 | 1.0000 | 29.8707 | 3.4862 | 1.00000 |
| 300  | 3.0198  | -3.2407 | 1.0000 | 31.2877 | 3.4891 | 1.00000 |
| 400  | 3.1455  | -3.3657 | 1.0000 | 32.2978 | 3.4952 | 1.00000 |
| 500  | 3.2440  | -3.4626 | 1.0000 | 33.0919 | 3.5074 | 1.00000 |
| 600  | 3.3256  | -3.5418 | 1.0000 | 33.7517 | 3.5270 | 1.00000 |
| 700  | 3.3955  | -3.6087 | 1.0000 | 34.3230 | 3.5516 | 1.00000 |
| 800  | 3.4572  | -3.6667 | 1.0000 | 34.8277 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -3.7178 | 1.0000 | 35.2836 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -3.7636 | 1.0000 | 35.6983 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -3.8050 | 1.0000 | 36.0805 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -3.8428 | 1.0000 | 36.4366 | 3.7122 | 1.00000 |
| 1300 | 3.6874  | -3.8775 | 1.0000 | 36.7677 | 3.7452 | 1.00000 |
| 1400 | 3.7234  | -3.9097 | 1.0000 | 37.0784 | 3.7779 | 1.00000 |
| 1500 | 3.7571  | -3.9397 | 1.0000 | 37.3764 | 3.8106 | 1.00000 |
| 1500 | 3.7571  | -3.9400 | 1.0000 | 37.3748 | 3.8110 | 1.00004 |
| 1600 | 3.7892  | -3.9680 | 1.0001 | 37.6574 | 3.8468 | 1.00013 |
| 1700 | 3.8202  | -3.9945 | 1.0004 | 37.9330 | 3.8882 | 1.00041 |
| 1800 | 3.8510  | -4.0196 | 1.0011 | 38.2109 | 3.9420 | 1.00109 |
| 1900 | 3.8832  | -4.0438 | 1.0027 | 38.5064 | 4.0224 | 1.00267 |
| 2000 | 3.9190  | -4.0675 | 1.0059 | 38.8426 | 4.1496 | 1.00593 |
| 2100 | 3.9610  | -4.0913 | 1.0121 | 39.2529 | 4.3525 | 1.01213 |
| 2200 | 4.0117  | -4.1161 | 1.0230 | 39.7784 | 4.6695 | 1.02298 |
| 2300 | 4.0720  | -4.1428 | 1.0403 | 40.4586 | 5.1320 | 1.04031 |
| 2400 | 4.1400  | -4.1715 | 1.0653 | 41.3093 | 5.7516 | 1.06530 |

|      |        |         |        |         |         |         |
|------|--------|---------|--------|---------|---------|---------|
| 2500 | 4.2096 | -4.2019 | 1.0968 | 42.2873 | 6.4806  | 1.09682 |
| 2600 | 4.2721 | -4.2320 | 1.1303 | 43.2714 | 7.1963  | 1.13033 |
| 2700 | 4.3206 | -4.2594 | 1.1592 | 44.1076 | 7.7495  | 1.15919 |
| 2800 | 4.3543 | -4.2827 | 1.1795 | 44.7216 | 8.0756  | 1.17953 |
| 2900 | 4.3768 | -4.3025 | 1.1919 | 45.1425 | 8.2103  | 1.19192 |
| 3000 | 4.3925 | -4.3198 | 1.1990 | 45.4405 | 8.2290  | 1.19900 |
| 3100 | 4.4047 | -4.3355 | 1.2031 | 45.6718 | 8.1914  | 1.20311 |
| 3200 | 4.4153 | -4.3503 | 1.2057 | 45.8710 | 8.1311  | 1.20574 |
| 3300 | 4.4253 | -4.3643 | 1.2078 | 46.0577 | 8.0686  | 1.20775 |
| 3400 | 4.4354 | -4.3780 | 1.2097 | 46.2444 | 8.0158  | 1.20967 |
| 3500 | 4.4461 | -4.3914 | 1.2119 | 46.4413 | 7.9804  | 1.21189 |
| 3600 | 4.4579 | -4.4047 | 1.2148 | 46.6582 | 7.9729  | 1.21480 |
| 3700 | 4.4714 | -4.4180 | 1.2188 | 46.9060 | 8.0015  | 1.21879 |
| 3800 | 4.4872 | -4.4315 | 1.2244 | 47.1980 | 8.0798  | 1.22437 |
| 3900 | 4.5059 | -4.4456 | 1.2321 | 47.5493 | 8.2195  | 1.23211 |
| 4000 | 4.5283 | -4.4603 | 1.2427 | 47.9782 | 8.4373  | 1.24274 |
| 4100 | 4.5550 | -4.4760 | 1.2572 | 48.5061 | 8.7533  | 1.25715 |
| 4200 | 4.5864 | -4.4931 | 1.2763 | 49.1559 | 9.1871  | 1.27629 |
| 4300 | 4.6231 | -4.5117 | 1.3013 | 49.9540 | 9.7630  | 1.30134 |
| 4400 | 4.6646 | -4.5322 | 1.3333 | 50.9214 | 10.4977 | 1.33332 |
| 4500 | 4.7106 | -4.5549 | 1.3734 | 52.0813 | 11.4120 | 1.37337 |
| 4600 | 4.7599 | -4.5795 | 1.4220 | 53.4382 | 12.5062 | 1.42199 |
| 4700 | 4.8110 | -4.6060 | 1.4791 | 54.9834 | 13.7691 | 1.47913 |
| 4800 | 4.8620 | -4.6336 | 1.5436 | 56.6804 | 15.1616 | 1.54361 |
| 4900 | 4.9106 | -4.6616 | 1.6127 | 58.4580 | 16.6117 | 1.61271 |
| 5000 | 4.9550 | -4.6888 | 1.6826 | 60.2253 | 18.0295 | 1.68263 |
| 5100 | 4.9930 | -4.7140 | 1.7483 | 61.8600 | 19.2945 | 1.74830 |
| 5200 | 5.0243 | -4.7366 | 1.8062 | 63.2890 | 20.3389 | 1.80622 |
| 5300 | 5.0491 | -4.7563 | 1.8542 | 64.4719 | 21.1270 | 1.85423 |
| 5400 | 5.0681 | -4.7732 | 1.8919 | 65.4078 | 21.6629 | 1.89189 |
| 5500 | 5.0825 | -4.7876 | 1.9203 | 66.1299 | 21.9845 | 1.92033 |
| 5600 | 5.0933 | -4.8001 | 1.9412 | 66.6796 | 22.1365 | 1.94116 |
| 5700 | 5.1016 | -4.8112 | 1.9563 | 67.1033 | 22.1680 | 1.95631 |
| 5800 | 5.1081 | -4.8212 | 1.9673 | 67.4367 | 22.1159 | 1.96729 |
| 5900 | 5.1135 | -4.8304 | 1.9754 | 67.7087 | 22.0103 | 1.97539 |
| 6000 | 5.1180 | -4.8390 | 1.9815 | 67.9393 | 21.8715 | 1.98148 |
| 6100 | 5.1221 | -4.8472 | 1.9863 | 68.1439 | 21.7160 | 1.98631 |
| 6200 | 5.1259 | -4.8552 | 1.9903 | 68.3335 | 21.5537 | 1.99032 |
| 6300 | 5.1296 | -4.8629 | 1.9939 | 68.5161 | 21.3928 | 1.99393 |
| 6400 | 5.1333 | -4.8705 | 1.9974 | 68.6976 | 21.2387 | 1.99738 |
| 6500 | 5.1371 | -4.8780 | 2.0009 | 68.8829 | 21.0957 | 2.00091 |
| 6600 | 5.1411 | -4.8855 | 2.0047 | 69.0758 | 20.9676 | 2.00470 |
| 6700 | 5.1453 | -4.8929 | 2.0089 | 69.2798 | 20.8571 | 2.00889 |
| 6800 | 5.1499 | -4.9004 | 2.0136 | 69.4981 | 20.7671 | 2.01366 |
| 6900 | 5.1548 | -4.9079 | 2.0191 | 69.7339 | 20.7002 | 2.01912 |
| 7000 | 5.1602 | -4.9155 | 2.0254 | 69.9902 | 20.6591 | 2.02544 |
| 7100 | 5.1661 | -4.9232 | 2.0327 | 70.2702 | 20.6461 | 2.03275 |
| 7200 | 5.1726 | -4.9311 | 2.0412 | 70.5774 | 20.6644 | 2.04123 |
| 7300 | 5.1797 | -4.9391 | 2.0510 | 70.9151 | 20.7168 | 2.05102 |
| 7400 | 5.1874 | -4.9474 | 2.0623 | 71.2870 | 20.8063 | 2.06231 |
| 7500 | 5.1960 | -4.9560 | 2.0752 | 71.6970 | 20.9362 | 2.07529 |
| 7600 | 5.2053 | -4.9648 | 2.0901 | 72.1492 | 21.1100 | 2.09017 |
| 7700 | 5.2155 | -4.9740 | 2.1070 | 72.6476 | 21.3311 | 2.10715 |
| 7800 | 5.2266 | -4.9836 | 2.1263 | 73.1968 | 21.6034 | 2.12647 |
| 7900 | 5.2387 | -4.9936 | 2.1482 | 73.8010 | 21.9305 | 2.14835 |
| 8000 | 5.2517 | -5.0040 | 2.1729 | 74.4651 | 22.3163 | 2.17307 |
| 8100 | 5.2657 | -5.0149 | 2.2006 | 75.1931 | 22.7644 | 2.20085 |
| 8200 | 5.2808 | -5.0263 | 2.2317 | 75.9896 | 23.2785 | 2.23194 |
| 8300 | 5.2968 | -5.0382 | 2.2663 | 76.8587 | 23.8621 | 2.26660 |
| 8400 | 5.3138 | -5.0507 | 2.3047 | 77.8043 | 24.5181 | 2.30507 |
| 8500 | 5.3317 | -5.0638 | 2.3471 | 78.8288 | 25.2484 | 2.34753 |
| 8600 | 5.3504 | -5.0774 | 2.3936 | 79.9345 | 26.0541 | 2.39417 |
| 8700 | 5.3699 | -5.0916 | 2.4445 | 81.1224 | 26.9358 | 2.44508 |
| 8800 | 5.3900 | -5.1062 | 2.4996 | 82.3919 | 27.8921 | 2.50035 |
| 8900 | 5.4106 | -5.1213 | 2.5590 | 83.7397 | 28.9189 | 2.55988 |
| 9000 | 5.4315 | -5.1368 | 2.6226 | 85.1615 | 30.0115 | 2.62353 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 9100  | 5.4527 | -5.1527 | 2.6900 | 86.6508  | 31.1625 | 2.69105 |
| 9200  | 5.4738 | -5.1687 | 2.7608 | 88.1957  | 32.3605 | 2.76196 |
| 9300  | 5.4947 | -5.1848 | 2.8344 | 89.7845  | 33.5930 | 2.83571 |
| 9400  | 5.5153 | -5.2009 | 2.9102 | 91.4031  | 34.8456 | 2.91162 |
| 9500  | 5.5352 | -5.2169 | 2.9873 | 93.0332  | 36.1000 | 2.98883 |
| 9600  | 5.5544 | -5.2325 | 3.0647 | 94.6569  | 37.3390 | 3.06644 |
| 9700  | 5.5727 | -5.2478 | 3.1416 | 96.2546  | 38.5433 | 3.14342 |
| 9800  | 5.5900 | -5.2625 | 3.2169 | 97.8079  | 39.6954 | 3.21882 |
| 9900  | 5.6061 | -5.2766 | 3.2897 | 99.3009  | 40.7800 | 3.29174 |
| 10000 | 5.6210 | -5.2901 | 3.3592 | 100.7189 | 41.7832 | 3.36137 |
| 10100 | 5.6347 | -5.3028 | 3.4248 | 102.0499 | 42.6941 | 3.42699 |
| 10200 | 5.6472 | -5.3148 | 3.4859 | 103.2879 | 43.5074 | 3.48820 |
| 10300 | 5.6584 | -5.3260 | 3.5422 | 104.4262 | 44.2181 | 3.54456 |
| 10400 | 5.6686 | -5.3364 | 3.5936 | 105.4664 | 44.8281 | 3.59686 |
| 10500 | 5.6777 | -5.3462 | 3.6401 | 106.4084 | 45.3387 | 3.64259 |
| 10600 | 5.6858 | -5.3552 | 3.6818 | 107.2569 | 45.7554 | 3.68434 |
| 10700 | 5.6929 | -5.3637 | 3.7190 | 108.0174 | 46.0847 | 3.72152 |
| 10800 | 5.6993 | -5.3715 | 3.7519 | 108.6968 | 46.3340 | 3.75444 |
| 10900 | 5.7050 | -5.3789 | 3.7809 | 109.3018 | 46.5110 | 3.78342 |
| 11000 | 5.7100 | -5.3858 | 3.8063 | 109.8401 | 46.6241 | 3.80882 |
| 11100 | 5.7145 | -5.3922 | 3.8285 | 110.3194 | 46.6810 | 3.83105 |
| 11200 | 5.7184 | -5.3983 | 3.8479 | 110.7464 | 46.6891 | 3.85040 |
| 11300 | 5.7220 | -5.4041 | 3.8647 | 111.1273 | 46.6552 | 3.86724 |
| 11400 | 5.7252 | -5.4095 | 3.8794 | 111.4681 | 46.5855 | 3.88187 |
| 11500 | 5.7280 | -5.4147 | 3.8921 | 111.7747 | 46.4855 | 3.89458 |
| 11600 | 5.7306 | -5.4197 | 3.9031 | 112.0506 | 46.3594 | 3.90559 |
| 11700 | 5.7329 | -5.4245 | 3.9127 | 112.3008 | 46.2123 | 3.91516 |
| 11800 | 5.7351 | -5.4291 | 3.9211 | 112.5283 | 46.0473 | 3.92344 |
| 11900 | 5.7371 | -5.4336 | 3.9283 | 112.7365 | 45.8677 | 3.93064 |
| 12000 | 5.7389 | -5.4379 | 3.9346 | 112.9284 | 45.6763 | 3.93691 |
| 12100 | 5.7406 | -5.4421 | 3.9400 | 113.1054 | 45.4753 | 3.94234 |
| 12200 | 5.7421 | -5.4462 | 3.9448 | 113.2702 | 45.2665 | 3.94707 |
| 12300 | 5.7436 | -5.4502 | 3.9490 | 113.4242 | 45.0520 | 3.95119 |
| 12400 | 5.7450 | -5.4542 | 3.9526 | 113.5688 | 44.8328 | 3.95479 |
| 12500 | 5.7463 | -5.4580 | 3.9558 | 113.7056 | 44.6103 | 3.95793 |
| 12600 | 5.7476 | -5.4618 | 3.9585 | 113.8353 | 44.3854 | 3.96068 |
| 12700 | 5.7488 | -5.4655 | 3.9610 | 113.9591 | 44.1592 | 3.96311 |
| 12800 | 5.7500 | -5.4691 | 3.9631 | 114.0775 | 43.9321 | 3.96522 |
| 12900 | 5.7511 | -5.4727 | 3.9650 | 114.1915 | 43.7049 | 3.96709 |
| 13000 | 5.7522 | -5.4762 | 3.9667 | 114.3013 | 43.4782 | 3.96875 |
| 13100 | 5.7533 | -5.4797 | 3.9682 | 114.4076 | 43.2523 | 3.97021 |
| 13200 | 5.7543 | -5.4832 | 3.9695 | 114.5109 | 43.0276 | 3.97151 |
| 13300 | 5.7553 | -5.4866 | 3.9707 | 114.6117 | 42.8044 | 3.97268 |
| 13400 | 5.7563 | -5.4899 | 3.9718 | 114.7101 | 42.5831 | 3.97372 |
| 13500 | 5.7573 | -5.4933 | 3.9728 | 114.8067 | 42.3639 | 3.97467 |
| 13600 | 5.7583 | -5.4966 | 3.9737 | 114.9017 | 42.1469 | 3.97554 |
| 13700 | 5.7593 | -5.4999 | 3.9745 | 114.9951 | 41.9324 | 3.97634 |
| 13800 | 5.7602 | -5.5031 | 3.9753 | 115.0876 | 41.7207 | 3.97708 |
| 13900 | 5.7612 | -5.5063 | 3.9760 | 115.1791 | 41.5117 | 3.97779 |
| 14000 | 5.7624 | -5.5095 | 3.9767 | 115.2899 | 41.3257 | 3.97847 |
| 14100 | 5.7631 | -5.5127 | 3.9774 | 115.3606 | 41.1033 | 3.97913 |
| 14200 | 5.7641 | -5.5158 | 3.9781 | 115.4512 | 40.9039 | 3.97978 |
| 14300 | 5.7650 | -5.5189 | 3.9788 | 115.5419 | 40.7083 | 3.98045 |
| 14400 | 5.7660 | -5.5220 | 3.9795 | 115.6333 | 40.5165 | 3.98115 |
| 14500 | 5.7670 | -5.5251 | 3.9802 | 115.7253 | 40.3288 | 3.98188 |
| 14600 | 5.7680 | -5.5282 | 3.9810 | 115.8182 | 40.1454 | 3.98267 |
| 14700 | 5.7690 | -5.5313 | 3.9819 | 115.9129 | 39.9665 | 3.98352 |
| 14800 | 5.7701 | -5.5343 | 3.9829 | 116.0095 | 39.7926 | 3.98446 |
| 14900 | 5.7712 | -5.5374 | 3.9840 | 116.1082 | 39.6241 | 3.98551 |
| 15000 | 5.7723 | -5.5404 | 3.9851 | 116.2098 | 39.4612 | 3.98668 |

LOG P=-3.1

| T   | LOG H/R | LOG RHC | Z      | S/R     | H/RT   | Z*      |
|-----|---------|---------|--------|---------|--------|---------|
| 100 | 2.5417  | -2.6636 | 1.0000 | 27.2213 | 3.4806 | 1.00000 |

|      |        |         |        |         |         |         |
|------|--------|---------|--------|---------|---------|---------|
| 200  | 2.8434 | -2.9646 | 1.0000 | 29.6405 | 3.4862  | 1.00000 |
| 300  | 3.0198 | -3.1407 | 1.0000 | 31.0574 | 3.4891  | 1.00000 |
| 400  | 3.1455 | -3.2657 | 1.0000 | 32.0673 | 3.4952  | 1.00000 |
| 500  | 3.2440 | -3.3626 | 1.0000 | 32.8618 | 3.5074  | 1.00000 |
| 600  | 3.3256 | -3.4418 | 1.0000 | 33.5212 | 3.5270  | 1.00000 |
| 700  | 3.3955 | -3.5087 | 1.0000 | 34.0925 | 3.5516  | 1.00000 |
| 800  | 3.4572 | -3.5667 | 1.0000 | 34.5974 | 3.5817  | 1.00000 |
| 900  | 3.5121 | -3.6178 | 1.0000 | 35.0531 | 3.6129  | 1.00000 |
| 1000 | 3.5619 | -3.6636 | 1.0000 | 35.4683 | 3.6467  | 1.00000 |
| 1100 | 3.6071 | -3.7050 | 1.0000 | 35.8504 | 3.6791  | 1.00000 |
| 1200 | 3.6488 | -3.7428 | 1.0000 | 36.2063 | 3.7122  | 1.00000 |
| 1300 | 3.6874 | -3.7775 | 1.0000 | 36.5373 | 3.7452  | 1.00000 |
| 1400 | 3.7234 | -3.8097 | 1.0000 | 36.8484 | 3.7779  | 1.00000 |
| 1500 | 3.7571 | -3.8397 | 1.0000 | 37.1450 | 3.8106  | 1.00000 |
|      |        |         |        |         |         |         |
| 1500 | 3.7571 | -3.8400 | 1.0000 | 37.1444 | 3.8108  | 1.00003 |
| 1600 | 3.7892 | -3.8680 | 1.0001 | 37.4266 | 3.8463  | 1.00012 |
| 1700 | 3.8200 | -3.8945 | 1.0004 | 37.7010 | 3.8866  | 1.00036 |
| 1800 | 3.8506 | -3.9196 | 1.0010 | 37.9764 | 3.9380  | 1.00098 |
| 1900 | 3.8822 | -3.9436 | 1.0024 | 38.2662 | 4.0131  | 1.00238 |
| 2000 | 3.9170 | -3.9672 | 1.0053 | 38.5915 | 4.1301  | 1.00529 |
| 2100 | 3.9572 | -3.9908 | 1.0109 | 38.9824 | 4.3150  | 1.01085 |
| 2200 | 4.0055 | -4.0151 | 1.0206 | 39.4767 | 4.6031  | 1.02059 |
| 2300 | 4.0629 | -4.0411 | 1.0363 | 40.1128 | 5.0253  | 1.03629 |
| 2400 | 4.1283 | -4.0691 | 1.0593 | 40.9116 | 5.5985  | 1.05927 |
| 2500 | 4.1967 | -4.0988 | 1.0890 | 41.8462 | 6.2911  | 1.08903 |
| 2600 | 4.2602 | -4.1288 | 1.1220 | 42.8181 | 7.0023  | 1.12199 |
| 2700 | 4.3116 | -4.1567 | 1.1520 | 43.6813 | 7.5892  | 1.15197 |
| 2800 | 4.3484 | -4.1808 | 1.1744 | 44.3410 | 7.9660  | 1.17436 |
| 2900 | 4.3732 | -4.2013 | 1.1886 | 44.8015 | 8.1433  | 1.18860 |
| 3000 | 4.3904 | -4.2190 | 1.1969 | 45.1249 | 8.1893  | 1.19692 |
| 3100 | 4.4034 | -4.2350 | 1.2018 | 45.3703 | 8.1667  | 1.20177 |
| 3200 | 4.4144 | -4.2499 | 1.2048 | 45.5762 | 8.1139  | 1.20481 |
| 3300 | 4.4245 | -4.2641 | 1.2070 | 45.7649 | 8.0539  | 1.20701 |
| 3400 | 4.4346 | -4.2778 | 1.2090 | 45.9503 | 8.0001  | 1.20897 |
| 3500 | 4.4450 | -4.2911 | 1.2111 | 46.1428 | 7.9608  | 1.21112 |
| 3600 | 4.4565 | -4.3043 | 1.2138 | 46.3518 | 7.9461  | 1.21382 |
| 3700 | 4.4693 | -4.3175 | 1.2175 | 46.5875 | 7.9635  | 1.21746 |
| 3800 | 4.4843 | -4.3309 | 1.2225 | 46.8620 | 8.0253  | 1.22249 |
| 3900 | 4.5018 | -4.3446 | 1.2294 | 47.1888 | 8.1424  | 1.22944 |
| 4000 | 4.5227 | -4.3590 | 1.2390 | 47.5847 | 8.3295  | 1.23897 |
| 4100 | 4.5475 | -4.3742 | 1.2519 | 48.0689 | 8.6049  | 1.25188 |
| 4200 | 4.5768 | -4.3906 | 1.2690 | 48.6623 | 8.9865  | 1.26903 |
| 4300 | 4.6111 | -4.4084 | 1.2915 | 49.3895 | 9.4969  | 1.29151 |
| 4400 | 4.6500 | -4.4280 | 1.3203 | 50.2707 | 10.1524 | 1.32030 |
| 4500 | 4.6936 | -4.4495 | 1.3565 | 51.3298 | 10.9748 | 1.35654 |
| 4600 | 4.7408 | -4.4730 | 1.4009 | 52.5757 | 11.9686 | 1.40086 |
| 4700 | 4.7904 | -4.4984 | 1.4536 | 54.0081 | 13.1312 | 1.45355 |
| 4800 | 4.8407 | -4.5252 | 1.5140 | 55.6039 | 14.4370 | 1.51396 |
| 4900 | 4.8897 | -4.5528 | 1.5802 | 57.3100 | 15.8313 | 1.58015 |
| 5000 | 4.9355 | -4.5801 | 1.6490 | 59.0521 | 17.2401 | 1.64903 |
| 5100 | 4.9759 | -4.6059 | 1.7159 | 60.7139 | 18.5475 | 1.71591 |
| 5200 | 5.0100 | -4.6296 | 1.7770 | 62.2149 | 19.6774 | 1.77702 |
| 5300 | 5.0376 | -4.6505 | 1.8295 | 63.4963 | 20.5756 | 1.82946 |
| 5400 | 5.0593 | -4.6685 | 1.8719 | 64.5370 | 21.2256 | 1.87191 |
| 5500 | 5.0758 | -4.6841 | 1.9048 | 65.3551 | 21.6504 | 1.90482 |
| 5600 | 5.0884 | -4.6975 | 1.9294 | 65.9841 | 21.8870 | 1.92941 |
| 5700 | 5.0980 | -4.7092 | 1.9475 | 66.4692 | 21.9833 | 1.94751 |
| 5800 | 5.1054 | -4.7197 | 1.9607 | 66.8475 | 21.9791 | 1.96072 |
| 5900 | 5.1114 | -4.7293 | 1.9704 | 67.1512 | 21.9071 | 1.97043 |
| 6000 | 5.1164 | -4.7382 | 1.9777 | 67.4033 | 21.7914 | 1.97767 |
| 6100 | 5.1208 | -4.7466 | 1.9833 | 67.6217 | 21.6508 | 1.98326 |
| 6200 | 5.1248 | -4.7546 | 1.9878 | 67.8193 | 21.4976 | 1.98777 |
| 6300 | 5.1286 | -4.7624 | 1.9917 | 68.0054 | 21.3409 | 1.99166 |
| 6400 | 5.1323 | -4.7700 | 1.9952 | 68.1867 | 21.1874 | 1.99523 |
| 6500 | 5.1360 | -4.7775 | 1.9987 | 68.3688 | 21.0422 | 1.99873 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 6600  | 5.1399 | -4.7850 | 2.0024 | 68.5558  | 20.9090 | 2.00238 |
| 6700  | 5.1440 | -4.7923 | 2.0063 | 68.7513  | 20.7909 | 2.00631 |
| 6800  | 5.1483 | -4.7997 | 2.0107 | 68.9586  | 20.6909 | 2.01070 |
| 6900  | 5.1530 | -4.8071 | 2.0157 | 69.1807  | 20.6115 | 2.01569 |
| 7000  | 5.1580 | -4.8146 | 2.0214 | 69.4205  | 20.5551 | 2.02140 |
| 7100  | 5.1635 | -4.8222 | 2.0280 | 69.6809  | 20.5243 | 2.02798 |
| 7200  | 5.1696 | -4.8299 | 2.0356 | 69.9653  | 20.5216 | 2.03559 |
| 7300  | 5.1761 | -4.8377 | 2.0443 | 70.2766  | 20.5498 | 2.04436 |
| 7400  | 5.1833 | -4.8458 | 2.0544 | 70.6182  | 20.6114 | 2.05446 |
| 7500  | 5.1912 | -4.8541 | 2.0660 | 70.9936  | 20.7095 | 2.06606 |
| 7600  | 5.1999 | -4.8626 | 2.0793 | 71.4065  | 20.8473 | 2.07935 |
| 7700  | 5.2093 | -4.8714 | 2.0944 | 71.8606  | 21.0279 | 2.09451 |
| 7800  | 5.2196 | -4.8806 | 2.1116 | 72.3601  | 21.2546 | 2.11176 |
| 7900  | 5.2307 | -4.8901 | 2.1312 | 72.9087  | 21.5308 | 2.13131 |
| 8000  | 5.2428 | -4.9000 | 2.1532 | 73.5110  | 21.8603 | 2.15340 |
| 8100  | 5.2557 | -4.9104 | 2.1780 | 74.1708  | 22.2463 | 2.17824 |
| 8200  | 5.2697 | -4.9212 | 2.2058 | 74.8924  | 22.6924 | 2.20608 |
| 8300  | 5.2846 | -4.9326 | 2.2368 | 75.6799  | 23.2017 | 2.23715 |
| 8400  | 5.3005 | -4.9444 | 2.2713 | 76.5370  | 23.7776 | 2.27169 |
| 8500  | 5.3172 | -4.9568 | 2.3094 | 77.4666  | 24.4221 | 2.30988 |
| 8600  | 5.3348 | -4.9697 | 2.3514 | 78.4715  | 25.1372 | 2.35194 |
| 8700  | 5.3532 | -4.9831 | 2.3974 | 79.5536  | 25.9242 | 2.39801 |
| 8800  | 5.3723 | -4.9971 | 2.4475 | 80.7135  | 26.7830 | 2.44820 |
| 8900  | 5.3921 | -5.0115 | 2.5017 | 81.9500  | 27.7117 | 2.50252 |
| 9000  | 5.4122 | -5.0263 | 2.5600 | 83.2609  | 28.7075 | 2.56093 |
| 9100  | 5.4328 | -5.0416 | 2.6223 | 84.6423  | 29.7657 | 2.62331 |
| 9200  | 5.4534 | -5.0571 | 2.6882 | 86.0860  | 30.8779 | 2.68934 |
| 9300  | 5.4741 | -5.0728 | 2.7574 | 87.5831  | 32.0349 | 2.75864 |
| 9400  | 5.4946 | -5.0887 | 2.8293 | 89.1228  | 33.2254 | 2.83071 |
| 9500  | 5.5147 | -5.1045 | 2.9033 | 90.6894  | 34.4339 | 2.90482 |
| 9600  | 5.5343 | -5.1201 | 2.9786 | 92.2689  | 35.6463 | 2.98025 |
| 9700  | 5.5532 | -5.1355 | 3.0543 | 93.8431  | 36.8450 | 3.05611 |
| 9800  | 5.5712 | -5.1506 | 3.1295 | 95.3947  | 38.0128 | 3.13150 |
| 9900  | 5.5882 | -5.1651 | 3.2034 | 96.9075  | 39.1341 | 3.20553 |
| 10000 | 5.6042 | -5.1791 | 3.2751 | 98.3654  | 40.1937 | 3.27734 |
| 10100 | 5.6190 | -5.1924 | 3.3438 | 99.7540  | 41.1776 | 3.34610 |
| 10200 | 5.6327 | -5.2051 | 3.4088 | 101.0638 | 42.0773 | 3.41122 |
| 10300 | 5.6451 | -5.2170 | 3.4696 | 102.2842 | 42.8834 | 3.47210 |
| 10400 | 5.6565 | -5.2282 | 3.5259 | 103.4136 | 43.5949 | 3.52853 |
| 10500 | 5.6667 | -5.2386 | 3.5776 | 104.4485 | 44.2098 | 3.58023 |
| 10600 | 5.6759 | -5.2484 | 3.6245 | 105.3905 | 44.7303 | 3.62723 |
| 10700 | 5.6841 | -5.2575 | 3.6669 | 106.2426 | 45.1605 | 3.66959 |
| 10800 | 5.6915 | -5.2660 | 3.7048 | 107.0099 | 45.5059 | 3.70753 |
| 10900 | 5.6980 | -5.2740 | 3.7385 | 107.6976 | 45.7729 | 3.74126 |
| 11000 | 5.7039 | -5.2814 | 3.7683 | 108.3126 | 45.9690 | 3.77111 |
| 11100 | 5.7090 | -5.2864 | 3.7946 | 108.8622 | 46.1019 | 3.79743 |
| 11200 | 5.7137 | -5.2949 | 3.8178 | 109.3528 | 46.1787 | 3.82054 |
| 11300 | 5.7178 | -5.3010 | 3.8380 | 109.7908 | 46.2062 | 3.84077 |
| 11400 | 5.7215 | -5.3069 | 3.8557 | 110.1826 | 46.1909 | 3.85845 |
| 11500 | 5.7248 | -5.3124 | 3.8711 | 110.5343 | 46.1390 | 3.87387 |
| 11600 | 5.7277 | -5.3177 | 3.8846 | 110.8500 | 46.0557 | 3.88730 |
| 11700 | 5.7304 | -5.3227 | 3.8963 | 111.1352 | 45.9459 | 3.89901 |
| 11800 | 5.7329 | -5.3275 | 3.9065 | 111.3933 | 45.8137 | 3.90918 |
| 11900 | 5.7351 | -5.3322 | 3.9154 | 111.6283 | 45.6626 | 3.91804 |
| 12000 | 5.7372 | -5.3367 | 3.9232 | 111.8436 | 45.4964 | 3.92577 |
| 12100 | 5.7391 | -5.3410 | 3.9299 | 112.0411 | 45.3170 | 3.93249 |
| 12200 | 5.7408 | -5.3453 | 3.9358 | 112.2237 | 45.1274 | 3.93835 |
| 12300 | 5.7424 | -5.3494 | 3.9410 | 112.3932 | 44.9294 | 3.94347 |
| 12400 | 5.7440 | -5.3534 | 3.9455 | 112.5514 | 44.7246 | 3.94794 |
| 12500 | 5.7454 | -5.3573 | 3.9494 | 112.7000 | 44.5147 | 3.95185 |
| 12600 | 5.7468 | -5.3611 | 3.9529 | 112.8399 | 44.3009 | 3.95527 |
| 12700 | 5.7481 | -5.3649 | 3.9559 | 112.9727 | 44.0842 | 3.95829 |
| 12800 | 5.7493 | -5.3686 | 3.9586 | 113.0989 | 43.8655 | 3.96092 |
| 12900 | 5.7505 | -5.3723 | 3.9610 | 113.2197 | 43.6457 | 3.96325 |
| 13000 | 5.7517 | -5.3758 | 3.9630 | 113.3354 | 43.4253 | 3.96531 |
| 13100 | 5.7528 | -5.3794 | 3.9649 | 113.4469 | 43.2048 | 3.96712 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 13200 | 5.7539 | -5.3828 | 3.9665 | 113.5546 | 42.9849 | 3.96874 |
| 13300 | 5.7550 | -5.3863 | 3.9680 | 113.6592 | 42.7658 | 3.97018 |
| 13400 | 5.7560 | -5.3897 | 3.9693 | 113.7609 | 42.5481 | 3.97146 |
| 13500 | 5.7570 | -5.3930 | 3.9705 | 113.8602 | 42.3319 | 3.97261 |
| 13600 | 5.7580 | -5.3964 | 3.9716 | 113.9575 | 42.1175 | 3.97365 |
| 13700 | 5.7590 | -5.3996 | 3.9726 | 114.0529 | 41.9051 | 3.97461 |
| 13800 | 5.7600 | -5.4029 | 3.9735 | 114.1468 | 41.6950 | 3.97548 |
| 13900 | 5.7609 | -5.4061 | 3.9743 | 114.2394 | 41.4873 | 3.97630 |
| 14000 | 5.7621 | -5.4093 | 3.9751 | 114.3509 | 41.3022 | 3.97706 |
| 14100 | 5.7629 | -5.4125 | 3.9758 | 114.4220 | 41.0802 | 3.97779 |
| 14200 | 5.7638 | -5.4157 | 3.9766 | 114.5125 | 40.8810 | 3.97849 |
| 14300 | 5.7648 | -5.4188 | 3.9773 | 114.6026 | 40.6850 | 3.97918 |
| 14400 | 5.7657 | -5.4219 | 3.9780 | 114.6930 | 40.4924 | 3.97988 |
| 14500 | 5.7667 | -5.4250 | 3.9787 | 114.7836 | 40.3034 | 3.98059 |
| 14600 | 5.7677 | -5.4280 | 3.9795 | 114.8746 | 40.1182 | 3.98134 |
| 14700 | 5.7687 | -5.4311 | 3.9803 | 114.9668 | 39.9370 | 3.98212 |
| 14800 | 5.7697 | -5.4341 | 3.9812 | 115.0602 | 39.7602 | 3.98296 |
| 14900 | 5.7708 | -5.4372 | 3.9821 | 115.1551 | 39.5881 | 3.98388 |
| 15000 | 5.7718 | -5.4402 | 3.9832 | 115.2520 | 39.4209 | 3.98489 |

## LOG P=-3.0

| T    | LOG H/R | LOG RHC | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5417  | -2.5636 | 1.0000 | 26.9911 | 3.4806 | 1.00000 |
| 200  | 2.8434  | -2.8646 | 1.0000 | 29.4099 | 3.4862 | 1.00000 |
| 300  | 3.0198  | -3.0407 | 1.0000 | 30.8268 | 3.4891 | 1.00000 |
| 400  | 3.1455  | -3.1657 | 1.0000 | 31.8370 | 3.4952 | 1.00000 |
| 500  | 3.2440  | -3.2625 | 1.0000 | 32.6312 | 3.5074 | 1.00000 |
| 600  | 3.3256  | -3.3417 | 1.0000 | 33.2910 | 3.5270 | 1.00000 |
| 700  | 3.3955  | -3.4087 | 1.0000 | 33.8620 | 3.5516 | 1.00000 |
| 800  | 3.4572  | -3.4667 | 1.0000 | 34.3674 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -3.5178 | 1.0000 | 34.8230 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -3.5636 | 1.0000 | 35.2381 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -3.6050 | 1.0000 | 35.6204 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -3.6428 | 1.0000 | 35.9763 | 3.7122 | 1.00000 |
| 1300 | 3.6874  | -3.6775 | 1.0000 | 36.3073 | 3.7452 | 1.00000 |
| 1400 | 3.7234  | -3.7097 | 1.0000 | 36.6179 | 3.7779 | 1.00000 |
| 1500 | 3.7571  | -3.7402 | 1.0000 | 36.9131 | 3.8106 | 1.00000 |
| 1500 | 3.7571  | -3.7400 | 1.0000 | 36.9140 | 3.8107 | 1.00003 |
| 1600 | 3.7891  | -3.7680 | 1.0001 | 37.1958 | 3.8458 | 1.00011 |
| 1700 | 3.8199  | -3.7944 | 1.0003 | 37.4693 | 3.8853 | 1.00032 |
| 1800 | 3.8502  | -3.8195 | 1.0009 | 37.7423 | 3.9344 | 1.00087 |
| 1900 | 3.8813  | -3.8435 | 1.0021 | 38.0271 | 4.0048 | 1.00212 |
| 2000 | 3.9152  | -3.8669 | 1.0047 | 38.3427 | 4.1126 | 1.00472 |
| 2100 | 3.9538  | -3.8903 | 1.0097 | 38.7161 | 4.2813 | 1.00969 |
| 2200 | 3.9998  | -3.9142 | 1.0184 | 39.1822 | 4.5432 | 1.01843 |
| 2300 | 4.0544  | -3.9395 | 1.0326 | 39.7775 | 4.9283 | 1.03263 |
| 2400 | 4.1171  | -3.9668 | 1.0537 | 40.5264 | 5.4566 | 1.05368 |
| 2500 | 4.1840  | -3.9959 | 1.0816 | 41.4149 | 6.1099 | 1.08158 |
| 2600 | 4.2480  | -4.0256 | 1.1136 | 42.3661 | 6.8077 | 1.11363 |
| 2700 | 4.3017  | -4.0538 | 1.1443 | 43.2465 | 7.4188 | 1.14431 |
| 2800 | 4.3416  | -4.0787 | 1.1686 | 43.9480 | 7.8427 | 1.16855 |
| 2900 | 4.3690  | -4.0999 | 1.1847 | 44.4502 | 8.0653 | 1.18473 |
| 3000 | 4.3879  | -4.1182 | 1.1945 | 44.8027 | 8.1424 | 1.19448 |
| 3100 | 4.4019  | -4.1345 | 1.2002 | 45.0648 | 8.1378 | 1.20020 |
| 3200 | 4.4133  | -4.1495 | 1.2037 | 45.2792 | 8.0942 | 1.20373 |
| 3300 | 4.4237  | -4.1638 | 1.2062 | 45.4713 | 8.0381 | 1.20618 |
| 3400 | 4.4337  | -4.1775 | 1.2082 | 45.6564 | 7.9845 | 1.20823 |
| 3500 | 4.4440  | -4.1908 | 1.2104 | 45.8454 | 7.9422 | 1.21035 |
| 3600 | 4.4551  | -4.2040 | 1.2129 | 46.0476 | 7.9213 | 1.21289 |
| 3700 | 4.4674  | -4.2171 | 1.2162 | 46.2727 | 7.9289 | 1.21622 |
| 3800 | 4.4816  | -4.2303 | 1.2208 | 46.5317 | 7.9764 | 1.22078 |
| 3900 | 4.4981  | -4.2438 | 1.2270 | 46.8368 | 8.0732 | 1.22703 |
| 4000 | 4.5176  | -4.2578 | 1.2356 | 47.2032 | 8.2329 | 1.23558 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 4100  | 4.5408 | -4.2726 | 1.2471 | 47.6482  | 8.4720  | 1.24714 |
| 4200  | 4.5681 | -4.2883 | 1.2625 | 48.1910  | 8.8067  | 1.26251 |
| 4300  | 4.6000 | -4.3054 | 1.2827 | 48.8541  | 9.2579  | 1.28266 |
| 4400  | 4.6365 | -4.3241 | 1.3086 | 49.6569  | 9.8413  | 1.30856 |
| 4500  | 4.6776 | -4.3446 | 1.3413 | 50.6229  | 10.5785 | 1.34127 |
| 4600  | 4.7226 | -4.3670 | 1.3815 | 51.7638  | 11.4770 | 1.38153 |
| 4700  | 4.7704 | -4.3912 | 1.4299 | 53.0854  | 12.5405 | 1.42985 |
| 4800  | 4.8197 | -4.4171 | 1.4860 | 54.5757  | 13.7543 | 1.48602 |
| 4900  | 4.8686 | -4.4440 | 1.5488 | 56.1972  | 15.0788 | 1.54875 |
| 5000  | 4.9153 | -4.4712 | 1.6157 | 57.8923  | 16.4558 | 1.61567 |
| 5100  | 4.9575 | -4.4974 | 1.6826 | 59.5549  | 17.7793 | 1.68263 |
| 5200  | 4.9941 | -4.5219 | 1.7459 | 61.1048  | 18.9726 | 1.74592 |
| 5300  | 5.0246 | -4.5439 | 1.8022 | 62.4709  | 19.9681 | 1.80217 |
| 5400  | 5.0490 | -4.5632 | 1.8492 | 63.6125  | 20.7294 | 1.84924 |
| 5500  | 5.0680 | -4.5799 | 1.8868 | 64.5303  | 21.2620 | 1.88679 |
| 5600  | 5.0825 | -4.5943 | 1.9155 | 65.2460  | 21.5913 | 1.91548 |
| 5700  | 5.0936 | -4.6069 | 1.9370 | 65.8008  | 21.7621 | 1.93695 |
| 5800  | 5.1022 | -4.6179 | 1.9528 | 66.2321  | 21.8141 | 1.95278 |
| 5900  | 5.1090 | -4.6279 | 1.9644 | 66.5745  | 21.7834 | 1.96444 |
| 6000  | 5.1145 | -4.6372 | 1.9731 | 66.8536  | 21.6965 | 1.97308 |
| 6100  | 5.1193 | -4.6458 | 1.9797 | 67.0902  | 21.5755 | 1.97966 |
| 6200  | 5.1235 | -4.6540 | 1.9848 | 67.2992  | 21.4349 | 1.98484 |
| 6300  | 5.1274 | -4.6619 | 1.9891 | 67.4916  | 21.2854 | 1.98914 |
| 6400  | 5.1312 | -4.6695 | 1.9929 | 67.6750  | 21.1349 | 1.99294 |
| 6500  | 5.1349 | -4.6770 | 1.9965 | 67.8560  | 20.9893 | 1.99651 |
| 6600  | 5.1387 | -4.6845 | 2.0001 | 68.0389  | 20.8528 | 2.00009 |
| 6700  | 5.1427 | -4.6918 | 2.0038 | 68.2277  | 20.7289 | 2.00385 |
| 6800  | 5.1468 | -4.6991 | 2.0079 | 68.4258  | 20.6207 | 2.00794 |
| 6900  | 5.1513 | -4.7064 | 2.0125 | 68.6361  | 20.5307 | 2.01253 |
| 7000  | 5.1560 | -4.7138 | 2.0177 | 68.8615  | 20.4613 | 2.01772 |
| 7100  | 5.1612 | -4.7212 | 2.0237 | 69.1049  | 20.4147 | 2.02367 |
| 7200  | 5.1668 | -4.7288 | 2.0305 | 69.3691  | 20.3936 | 2.03052 |
| 7300  | 5.1730 | -4.7365 | 2.0383 | 69.6570  | 20.4002 | 2.03838 |
| 7400  | 5.1797 | -4.7443 | 2.0474 | 69.9717  | 20.4372 | 2.04742 |
| 7500  | 5.1870 | -4.7523 | 2.0577 | 70.3164  | 20.5071 | 2.05780 |
| 7600  | 5.1950 | -4.7606 | 2.0696 | 70.6944  | 20.6128 | 2.06967 |
| 7700  | 5.2037 | -4.7691 | 2.0831 | 71.1090  | 20.7571 | 2.08321 |
| 7800  | 5.2131 | -4.7779 | 2.0985 | 71.5640  | 20.9432 | 2.09883 |
| 7900  | 5.2234 | -4.7870 | 2.1159 | 72.0630  | 21.1739 | 2.11610 |
| 8000  | 5.2346 | -4.7965 | 2.1357 | 72.6100  | 21.4528 | 2.13583 |
| 8100  | 5.2466 | -4.8064 | 2.1578 | 73.2084  | 21.7828 | 2.15803 |
| 8200  | 5.2595 | -4.8167 | 2.1827 | 73.8626  | 22.1675 | 2.18294 |
| 8300  | 5.2734 | -4.8274 | 2.2105 | 74.5760  | 22.6097 | 2.21076 |
| 8400  | 5.2881 | -4.8387 | 2.2414 | 75.3528  | 23.1128 | 2.24172 |
| 8500  | 5.3038 | -4.8504 | 2.2756 | 76.1956  | 23.6789 | 2.27603 |
| 8600  | 5.3203 | -4.8626 | 2.3134 | 77.1078  | 24.3105 | 2.31387 |
| 8700  | 5.3376 | -4.8753 | 2.3549 | 78.0917  | 25.0095 | 2.35544 |
| 8800  | 5.3557 | -4.8886 | 2.4002 | 79.1488  | 25.7764 | 2.40086 |
| 8900  | 5.3745 | -4.9023 | 2.4494 | 80.2791  | 26.6109 | 2.45020 |
| 9000  | 5.3938 | -4.9165 | 2.5026 | 81.4820  | 27.5114 | 2.50351 |
| 9100  | 5.4135 | -4.9311 | 2.5598 | 82.7557  | 28.4758 | 2.56076 |
| 9200  | 5.4336 | -4.9461 | 2.6206 | 84.0945  | 29.4978 | 2.62174 |
| 9300  | 5.4538 | -4.9613 | 2.6850 | 85.4925  | 30.5713 | 2.68623 |
| 9400  | 5.4740 | -4.9767 | 2.7525 | 86.9420  | 31.6878 | 2.75388 |
| 9500  | 5.4941 | -4.9922 | 2.8226 | 88.4304  | 32.8350 | 2.82413 |
| 9600  | 5.5138 | -5.0077 | 2.8948 | 89.9475  | 34.0019 | 2.89648 |
| 9700  | 5.5330 | -5.0231 | 2.9683 | 91.4770  | 35.1727 | 2.97012 |
| 9800  | 5.5515 | -5.0383 | 3.0423 | 93.0035  | 36.3324 | 3.04429 |
| 9900  | 5.5693 | -5.0531 | 3.1160 | 94.5113  | 37.4654 | 3.11814 |
| 10000 | 5.5861 | -5.0675 | 3.1886 | 95.9846  | 38.5564 | 3.19083 |
| 10100 | 5.6019 | -5.0813 | 3.2591 | 97.4070  | 39.5901 | 3.26146 |
| 10200 | 5.6167 | -5.0945 | 3.3269 | 98.7680  | 40.5563 | 3.32941 |
| 10300 | 5.6303 | -5.1071 | 3.3913 | 100.0543 | 41.4430 | 3.39392 |
| 10400 | 5.6428 | -5.1189 | 3.4519 | 101.2607 | 42.2452 | 3.45462 |
| 10500 | 5.6542 | -5.1301 | 3.5083 | 102.3803 | 42.9573 | 3.51106 |
| 10600 | 5.6646 | -5.1406 | 3.5602 | 103.4115 | 43.5783 | 3.56307 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 10700 | 5.6739 | -5.1505 | 3.6076 | 104.3543 | 44.1095 | 3.61057 |
| 10800 | 5.6823 | -5.1597 | 3.6507 | 105.2114 | 44.5541 | 3.65363 |
| 10900 | 5.6898 | -5.1682 | 3.6893 | 105.9856 | 44.9160 | 3.69234 |
| 11000 | 5.6966 | -5.1762 | 3.7239 | 106.6827 | 45.2016 | 3.72695 |
| 11100 | 5.7026 | -5.1838 | 3.7547 | 107.3090 | 45.4177 | 3.75775 |
| 11200 | 5.7079 | -5.1908 | 3.7820 | 107.8701 | 45.5707 | 3.78502 |
| 11300 | 5.7127 | -5.1974 | 3.8060 | 108.3725 | 45.6675 | 3.80907 |
| 11400 | 5.7170 | -5.2036 | 3.8272 | 108.8223 | 45.7148 | 3.83021 |
| 11500 | 5.7208 | -5.2095 | 3.8458 | 109.2260 | 45.7190 | 3.84877 |
| 11600 | 5.7242 | -5.2151 | 3.8620 | 109.5881 | 45.6856 | 3.86502 |
| 11700 | 5.7273 | -5.2205 | 3.8763 | 109.9145 | 45.6201 | 3.87925 |
| 11800 | 5.7302 | -5.2255 | 3.8887 | 110.2090 | 45.5258 | 3.89167 |
| 11900 | 5.7327 | -5.2304 | 3.8996 | 110.4762 | 45.4103 | 3.90253 |
| 12000 | 5.7350 | -5.2351 | 3.9091 | 110.7197 | 45.2741 | 3.91203 |
| 12100 | 5.7372 | -5.2396 | 3.9175 | 110.9420 | 45.1215 | 3.92031 |
| 12200 | 5.7391 | -5.2440 | 3.9247 | 111.1463 | 44.9550 | 3.92756 |
| 12300 | 5.7410 | -5.2483 | 3.9311 | 111.3349 | 44.7774 | 3.93389 |
| 12400 | 5.7427 | -5.2524 | 3.9367 | 111.5097 | 44.5905 | 3.93943 |
| 12500 | 5.7443 | -5.2564 | 3.9416 | 111.6729 | 44.3962 | 3.94429 |
| 12600 | 5.7458 | -5.2604 | 3.9459 | 111.8256 | 44.1960 | 3.94855 |
| 12700 | 5.7472 | -5.2642 | 3.9496 | 111.9695 | 43.9912 | 3.95229 |
| 12800 | 5.7485 | -5.2680 | 3.9530 | 112.1055 | 43.7829 | 3.95558 |
| 12900 | 5.7498 | -5.2717 | 3.9559 | 112.2347 | 43.5723 | 3.95848 |
| 13000 | 5.7510 | -5.2753 | 3.9585 | 112.3579 | 43.3598 | 3.96104 |
| 13100 | 5.7522 | -5.2789 | 3.9608 | 112.4758 | 43.1464 | 3.96330 |
| 13200 | 5.7534 | -5.2824 | 3.9628 | 112.5893 | 42.9325 | 3.96530 |
| 13300 | 5.7545 | -5.2859 | 3.9646 | 112.6987 | 42.7188 | 3.96708 |
| 13400 | 5.7556 | -5.2893 | 3.9663 | 112.8047 | 42.5056 | 3.96866 |
| 13500 | 5.7566 | -5.2927 | 3.9677 | 112.9076 | 42.2932 | 3.97008 |
| 13600 | 5.7576 | -5.2961 | 3.9690 | 113.0081 | 42.0823 | 3.97136 |
| 13700 | 5.7587 | -5.2994 | 3.9702 | 113.1061 | 41.8727 | 3.97252 |
| 13800 | 5.7597 | -5.3027 | 3.9713 | 113.2022 | 41.6650 | 3.97356 |
| 13900 | 5.7606 | -5.3059 | 3.9723 | 113.2965 | 41.4594 | 3.97452 |
| 14000 | 5.7618 | -5.3091 | 3.9732 | 113.4093 | 41.2756 | 3.97541 |
| 14100 | 5.7626 | -5.3123 | 3.9741 | 113.4813 | 41.0548 | 3.97624 |
| 14200 | 5.7636 | -5.3155 | 3.9749 | 113.5723 | 40.8564 | 3.97702 |
| 14300 | 5.7645 | -5.3186 | 3.9756 | 113.6626 | 40.6606 | 3.97777 |
| 14400 | 5.7655 | -5.3217 | 3.9764 | 113.7528 | 40.4680 | 3.97851 |
| 14500 | 5.7664 | -5.3248 | 3.9772 | 113.8426 | 40.2784 | 3.97923 |
| 14600 | 5.7674 | -5.3279 | 3.9779 | 113.9325 | 40.0922 | 3.97997 |
| 14700 | 5.7684 | -5.3309 | 3.9787 | 114.0230 | 39.9097 | 3.98073 |
| 14800 | 5.7694 | -5.3340 | 3.9795 | 114.1142 | 39.7308 | 3.98152 |
| 14900 | 5.7704 | -5.3370 | 3.9804 | 114.2063 | 39.5561 | 3.98235 |
| 15000 | 5.7714 | -5.3400 | 3.9813 | 114.2999 | 39.3856 | 3.98325 |

LOG P=-2.9

| 1    | LOG F/R | LOG RHC | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5417  | -2.4636 | 1.0000 | 26.7605 | 3.4806 | 1.00000 |
| 200  | 2.8434  | -2.7646 | 1.0000 | 29.1796 | 3.4862 | 1.00000 |
| 300  | 3.0198  | -2.9407 | 1.0000 | 30.5966 | 3.4891 | 1.00000 |
| 400  | 3.1455  | -3.0657 | 1.0000 | 31.6070 | 3.4952 | 1.00000 |
| 500  | 3.2440  | -3.1625 | 1.0000 | 32.4006 | 3.5074 | 1.00000 |
| 600  | 3.3256  | -3.2417 | 1.0000 | 33.0610 | 3.5270 | 1.00000 |
| 700  | 3.3955  | -3.3087 | 1.0000 | 33.6320 | 3.5516 | 1.00000 |
| 800  | 3.4572  | -3.3667 | 1.0000 | 34.1372 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -3.4178 | 1.0000 | 34.5930 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -3.4636 | 1.0000 | 35.0075 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -3.5050 | 1.0000 | 35.3900 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -3.5428 | 1.0000 | 35.7464 | 3.7122 | 1.00000 |
| 1300 | 3.6874  | -3.5775 | 1.0000 | 36.0772 | 3.7452 | 1.00000 |
| 1400 | 3.7234  | -3.6097 | 1.0000 | 36.3874 | 3.7779 | 1.00000 |
| 1500 | 3.7571  | -3.6402 | 1.0000 | 36.6825 | 3.8106 | 1.00000 |
| 1500 | 3.7571  | -3.6400 | 1.0000 | 36.6836 | 3.8106 | 1.00002 |

|      |        |         |        |         |         |         |
|------|--------|---------|--------|---------|---------|---------|
| 1600 | 3.7891 | -3.6680 | 1.0001 | 36.9651 | 3.8454  | 1.00010 |
| 1700 | 3.8197 | -3.6944 | 1.0003 | 37.2377 | 3.8840  | 1.00029 |
| 1800 | 3.8498 | -3.7195 | 1.0008 | 37.5086 | 3.9312  | 1.00077 |
| 1900 | 3.8805 | -3.7434 | 1.0019 | 37.7890 | 3.9974  | 1.00189 |
| 2000 | 3.9135 | -3.7667 | 1.0042 | 38.0958 | 4.0970  | 1.00422 |
| 2100 | 3.9507 | -3.7898 | 1.0087 | 38.4536 | 4.2511  | 1.00865 |
| 2200 | 3.9946 | -3.8134 | 1.0165 | 38.8941 | 4.4895  | 1.01650 |
| 2300 | 4.0466 | -3.8361 | 1.0293 | 39.4520 | 4.8401  | 1.02932 |
| 2400 | 4.1066 | -3.8647 | 1.0485 | 40.1536 | 5.3258  | 1.04854 |
| 2500 | 4.1716 | -3.8930 | 1.0745 | 40.9950 | 5.9381  | 1.07452 |
| 2600 | 4.2355 | -3.9223 | 1.1054 | 41.9182 | 6.6152  | 1.10537 |
| 2700 | 4.2911 | -3.9507 | 1.1363 | 42.8057 | 7.2406  | 1.13632 |
| 2800 | 4.3340 | -3.9763 | 1.1622 | 43.5437 | 7.7067  | 1.16217 |
| 2900 | 4.3642 | -3.9982 | 1.1803 | 44.0881 | 7.9755  | 1.18030 |
| 3000 | 4.3849 | -4.0171 | 1.1916 | 44.4728 | 8.0872  | 1.19161 |
| 3100 | 4.4001 | -4.0338 | 1.1984 | 44.7546 | 8.1038  | 1.19835 |
| 3200 | 4.4121 | -4.0491 | 1.2025 | 44.9796 | 8.0716  | 1.20248 |
| 3300 | 4.4227 | -4.0635 | 1.2053 | 45.1764 | 8.0208  | 1.20525 |
| 3400 | 4.4329 | -4.0772 | 1.2074 | 45.3622 | 7.9684  | 1.20745 |
| 3500 | 4.4430 | -4.0906 | 1.2096 | 45.5488 | 7.9242  | 1.20956 |
| 3600 | 4.4538 | -4.1037 | 1.2120 | 45.7454 | 7.8982  | 1.21198 |
| 3700 | 4.4657 | -4.1167 | 1.2151 | 45.9613 | 7.8973  | 1.21506 |
| 3800 | 4.4792 | -4.1297 | 1.2192 | 46.2065 | 7.9321  | 1.21921 |
| 3900 | 4.4948 | -4.1430 | 1.2249 | 46.4924 | 8.0110  | 1.22485 |
| 4000 | 4.5130 | -4.1567 | 1.2325 | 46.8325 | 8.1463  | 1.23252 |
| 4100 | 4.5346 | -4.1711 | 1.2429 | 47.2425 | 8.3529  | 1.24288 |
| 4200 | 4.5600 | -4.1863 | 1.2567 | 47.7399 | 8.6456  | 1.25665 |
| 4300 | 4.5898 | -4.2027 | 1.2747 | 48.3453 | 9.0435  | 1.27472 |
| 4400 | 4.6240 | -4.2206 | 1.2980 | 49.0769 | 9.5613  | 1.29798 |
| 4500 | 4.6627 | -4.2401 | 1.3275 | 49.9574 | 10.2202 | 1.32745 |
| 4600 | 4.7053 | -4.2614 | 1.3639 | 51.0003 | 11.0297 | 1.36393 |
| 4700 | 4.7512 | -4.2846 | 1.4081 | 52.2156 | 11.9975 | 1.40806 |
| 4800 | 4.7991 | -4.3094 | 1.4599 | 53.5994 | 13.1171 | 1.45994 |
| 4900 | 4.8474 | -4.3356 | 1.5188 | 55.1269 | 14.3617 | 1.51882 |
| 5000 | 4.8946 | -4.3623 | 1.5830 | 56.7566 | 15.6885 | 1.58301 |
| 5100 | 4.9381 | -4.3887 | 1.6490 | 58.3961 | 17.0045 | 1.64902 |
| 5200 | 4.9770 | -4.4137 | 1.7134 | 59.9707 | 18.2370 | 1.71343 |
| 5300 | 5.0101 | -4.4368 | 1.7727 | 61.4026 | 19.3114 | 1.77266 |
| 5400 | 5.0372 | -4.4573 | 1.8239 | 62.6353 | 20.1752 | 1.82390 |
| 5500 | 5.0588 | -4.4751 | 1.8661 | 63.6521 | 20.8159 | 1.86605 |
| 5600 | 5.0754 | -4.4906 | 1.8991 | 64.4599 | 21.2446 | 1.89911 |
| 5700 | 5.0883 | -4.5040 | 1.9244 | 65.0929 | 21.4991 | 1.92436 |
| 5800 | 5.0982 | -4.5158 | 1.9432 | 65.5859 | 21.6166 | 1.94321 |
| 5900 | 5.1060 | -4.5263 | 1.9572 | 65.9746 | 21.6351 | 1.95720 |
| 6000 | 5.1123 | -4.5359 | 1.9676 | 66.2870 | 21.5837 | 1.96756 |
| 6100 | 5.1175 | -4.5448 | 1.9754 | 66.5467 | 21.4875 | 1.97537 |
| 6200 | 5.1221 | -4.5532 | 1.9814 | 66.7711 | 21.3635 | 1.98142 |
| 6300 | 5.1262 | -4.5612 | 1.9863 | 66.9728 | 21.2244 | 1.98629 |
| 6400 | 5.1300 | -4.5690 | 1.9904 | 67.1610 | 21.0794 | 1.99043 |
| 6500 | 5.1338 | -4.5765 | 1.9942 | 67.3429 | 20.9357 | 1.99418 |
| 6600 | 5.1376 | -4.5840 | 1.9978 | 67.5238 | 20.7980 | 1.99778 |
| 6700 | 5.1414 | -4.5913 | 2.0014 | 67.7077 | 20.6701 | 2.00144 |
| 6800 | 5.1454 | -4.5985 | 2.0053 | 67.8984 | 20.5554 | 2.00532 |
| 6900 | 5.1497 | -4.6058 | 2.0096 | 68.0988 | 20.4565 | 2.00958 |
| 7000 | 5.1542 | -4.6131 | 2.0143 | 68.3120 | 20.3759 | 2.01435 |
| 7100 | 5.1591 | -4.6204 | 2.0197 | 68.5404 | 20.3157 | 2.01976 |
| 7200 | 5.1644 | -4.6278 | 2.0259 | 68.7869 | 20.2783 | 2.02594 |
| 7300 | 5.1701 | -4.6353 | 2.0330 | 69.0542 | 20.2661 | 2.03300 |
| 7400 | 5.1763 | -4.6429 | 2.0411 | 69.3450 | 20.2812 | 2.04111 |
| 7500 | 5.1831 | -4.6507 | 2.0503 | 69.6623 | 20.3259 | 2.05040 |
| 7600 | 5.1905 | -4.6587 | 2.0609 | 70.0093 | 20.4032 | 2.06102 |
| 7700 | 5.1986 | -4.6670 | 2.0730 | 70.3885 | 20.5151 | 2.07312 |
| 7800 | 5.2073 | -4.6754 | 2.0868 | 70.8039 | 20.6649 | 2.08689 |
| 7900 | 5.2168 | -4.6842 | 2.1023 | 71.2584 | 20.8550 | 2.10249 |
| 8000 | 5.2271 | -4.6933 | 2.1200 | 71.7558 | 21.0888 | 2.12011 |
| 8100 | 5.2383 | -4.7027 | 2.1398 | 72.2993 | 21.3686 | 2.13996 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 8200  | 5.2502 | -4.7125 | 2.1620 | 72.8928  | 21.6980 | 2.16223 |
| 8300  | 5.2631 | -4.7228 | 2.1868 | 73.5397  | 22.0796 | 2.18712 |
| 8400  | 5.2768 | -4.7334 | 2.2145 | 74.2437  | 22.5167 | 2.21485 |
| 8500  | 5.2914 | -4.7445 | 2.2452 | 75.0078  | 23.0115 | 2.24562 |
| 8600  | 5.3068 | -4.7561 | 2.2791 | 75.8351  | 23.5665 | 2.27961 |
| 8700  | 5.3231 | -4.7682 | 2.3165 | 76.7285  | 24.1839 | 2.31702 |
| 8800  | 5.3401 | -4.7808 | 2.3574 | 77.6898  | 24.8650 | 2.35800 |
| 8900  | 5.3578 | -4.7938 | 2.4019 | 78.7201  | 25.6101 | 2.40266 |
| 9000  | 5.3762 | -4.8073 | 2.4502 | 79.8199  | 26.4194 | 2.45109 |
| 9100  | 5.3951 | -4.8213 | 2.5024 | 80.9890  | 27.2917 | 2.50335 |
| 9200  | 5.4144 | -4.8356 | 2.5582 | 82.2238  | 28.2232 | 2.55932 |
| 9300  | 5.4340 | -4.8503 | 2.6177 | 83.5206  | 29.2096 | 2.618d9 |
| 9400  | 5.4538 | -4.8652 | 2.6805 | 84.8743  | 30.2453 | 2.68186 |
| 9500  | 5.4736 | -4.8803 | 2.7463 | 86.2755  | 31.3206 | 2.74779 |
| 9600  | 5.4932 | -4.8956 | 2.8146 | 87.7159  | 32.4270 | 2.81633 |
| 9700  | 5.5125 | -4.9108 | 2.8850 | 89.1827  | 33.5517 | 2.88683 |
| 9800  | 5.5313 | -4.9259 | 2.9567 | 90.6627  | 34.6819 | 2.95868 |
| 9900  | 5.5496 | -4.9408 | 3.0290 | 92.1424  | 35.8038 | 3.03114 |
| 10000 | 5.5671 | -4.9554 | 3.1011 | 93.6069  | 36.9030 | 3.10345 |
| 10100 | 5.5837 | -4.9695 | 3.1723 | 95.0398  | 37.9638 | 3.17472 |
| 10200 | 5.5994 | -4.9832 | 3.2417 | 96.4299  | 38.9749 | 3.24431 |
| 10300 | 5.6141 | -4.9964 | 3.3087 | 97.7623  | 39.9227 | 3.31138 |
| 10400 | 5.6277 | -5.0089 | 3.3726 | 99.0286  | 40.7990 | 3.37542 |
| 10500 | 5.6402 | -5.0207 | 3.4329 | 100.2192 | 41.5953 | 3.43584 |
| 10600 | 5.6517 | -5.0319 | 3.4893 | 101.3295 | 42.3081 | 3.49232 |
| 10700 | 5.6622 | -5.0424 | 3.5415 | 102.3568 | 42.9352 | 3.54461 |
| 10800 | 5.6717 | -5.0523 | 3.5894 | 103.3005 | 43.4769 | 3.59262 |
| 10900 | 5.6802 | -5.0616 | 3.6331 | 104.1613 | 43.9350 | 3.63631 |
| 11000 | 5.6879 | -5.0702 | 3.6726 | 104.9430 | 44.3139 | 3.67584 |
| 11100 | 5.6948 | -5.0783 | 3.7081 | 105.6503 | 44.6187 | 3.71138 |
| 11200 | 5.7010 | -5.0859 | 3.7398 | 106.2878 | 44.8549 | 3.74315 |
| 11300 | 5.7066 | -5.0931 | 3.7681 | 106.8610 | 45.0287 | 3.77141 |
| 11400 | 5.7115 | -5.0998 | 3.7931 | 107.3761 | 45.1465 | 3.79645 |
| 11500 | 5.7160 | -5.1061 | 3.8153 | 107.8397 | 45.2142 | 3.81860 |
| 11600 | 5.7200 | -5.1121 | 3.8348 | 108.2550 | 45.2390 | 3.83811 |
| 11700 | 5.7236 | -5.1177 | 3.8520 | 108.6295 | 45.2252 | 3.85528 |
| 11800 | 5.7268 | -5.1231 | 3.8671 | 108.9668 | 45.1777 | 3.87034 |
| 11900 | 5.7297 | -5.1283 | 3.8803 | 109.2720 | 45.1020 | 3.88356 |
| 12000 | 5.7324 | -5.1332 | 3.8920 | 109.5493 | 45.0021 | 3.89517 |
| 12100 | 5.7349 | -5.1379 | 3.9022 | 109.8013 | 44.8812 | 3.90532 |
| 12200 | 5.7371 | -5.1425 | 3.9111 | 110.0318 | 44.7428 | 3.91424 |
| 12300 | 5.7391 | -5.1469 | 3.9189 | 110.2434 | 44.5898 | 3.92205 |
| 12400 | 5.7410 | -5.1512 | 3.9258 | 110.4385 | 44.4245 | 3.92889 |
| 12500 | 5.7428 | -5.1554 | 3.9319 | 110.6194 | 44.2492 | 3.93490 |
| 12600 | 5.7445 | -5.1594 | 3.9372 | 110.7878 | 44.0658 | 3.94018 |
| 12700 | 5.7460 | -5.1634 | 3.9419 | 110.9453 | 43.8756 | 3.94483 |
| 12800 | 5.7475 | -5.1672 | 3.9460 | 111.0933 | 43.6803 | 3.94891 |
| 12900 | 5.7489 | -5.1710 | 3.9496 | 111.2331 | 43.4808 | 3.95252 |
| 13000 | 5.7502 | -5.1747 | 3.9529 | 111.3655 | 43.2782 | 3.95570 |
| 13100 | 5.7515 | -5.1784 | 3.9557 | 111.4915 | 43.0735 | 3.95851 |
| 13200 | 5.7527 | -5.1819 | 3.9582 | 111.6120 | 42.8673 | 3.96100 |
| 13300 | 5.7539 | -5.1855 | 3.9605 | 111.7277 | 42.6602 | 3.96321 |
| 13400 | 5.7550 | -5.1889 | 3.9625 | 111.8391 | 42.4528 | 3.96517 |
| 13500 | 5.7561 | -5.1924 | 3.9643 | 111.9467 | 42.2455 | 3.96693 |
| 13600 | 5.7572 | -5.1957 | 3.9659 | 112.0513 | 42.0389 | 3.96850 |
| 13700 | 5.7582 | -5.1991 | 3.9673 | 112.1528 | 41.8332 | 3.96991 |
| 13800 | 5.7593 | -5.2024 | 3.9686 | 112.2519 | 41.6289 | 3.97118 |
| 13900 | 5.7603 | -5.2056 | 3.9698 | 112.3487 | 41.4259 | 3.97235 |
| 14000 | 5.7615 | -5.2089 | 3.9709 | 112.4635 | 41.2445 | 3.97340 |
| 14100 | 5.7623 | -5.2121 | 3.9719 | 112.5372 | 41.0255 | 3.97438 |
| 14200 | 5.7633 | -5.2153 | 3.9729 | 112.6295 | 40.8285 | 3.97528 |
| 14300 | 5.7642 | -5.2184 | 3.9738 | 112.7206 | 40.6338 | 3.97613 |
| 14400 | 5.7652 | -5.2215 | 3.9746 | 112.8112 | 40.4417 | 3.97695 |
| 14500 | 5.7662 | -5.2246 | 3.9754 | 112.9010 | 40.2525 | 3.97773 |
| 14600 | 5.7671 | -5.2277 | 3.9762 | 112.9905 | 40.0660 | 3.97850 |
| 14700 | 5.7681 | -5.2307 | 3.9770 | 113.0802 | 39.8827 | 3.97926 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 14800 | 5.7691 | -5.2338 | 3.9778 | 113.1701 | 39.7028 | 3.98005 |
| 14900 | 5.7701 | -5.2368 | 3.9786 | 113.2603 | 39.5264 | 3.98084 |
| 15000 | 5.7711 | -5.2398 | 3.9795 | 113.3515 | 39.3537 | 3.98168 |

LOG P=-2.8

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT    | Z*      |
|------|---------|---------|--------|---------|---------|---------|
| 100  | 2.5417  | -2.3636 | 1.0000 | 26.5302 | 3.4806  | 1.00000 |
| 200  | 2.8434  | -2.6646 | 1.0000 | 28.9496 | 3.4862  | 1.00000 |
| 300  | 3.0198  | -2.8407 | 1.0000 | 30.3666 | 3.4891  | 1.00000 |
| 400  | 3.1455  | -2.9657 | 1.0000 | 31.3769 | 3.4952  | 1.00000 |
| 500  | 3.2440  | -3.0626 | 1.0000 | 32.1701 | 3.5074  | 1.00000 |
| 600  | 3.3256  | -3.1417 | 1.0000 | 32.8307 | 3.5270  | 1.00000 |
| 700  | 3.3955  | -3.2087 | 1.0000 | 33.4020 | 3.5516  | 1.00000 |
| 800  | 3.4572  | -3.2667 | 1.0000 | 33.9067 | 3.5817  | 1.00000 |
| 900  | 3.5121  | -3.3178 | 1.0000 | 34.3626 | 3.6129  | 1.00000 |
| 1000 | 3.5619  | -3.3636 | 1.0000 | 34.7772 | 3.6467  | 1.00000 |
| 1100 | 3.6071  | -3.4050 | 1.0000 | 35.1595 | 3.6791  | 1.00000 |
| 1200 | 3.6488  | -3.4428 | 1.0000 | 35.5164 | 3.7122  | 1.00000 |
| 1300 | 3.6874  | -3.4775 | 1.0000 | 35.8467 | 3.7452  | 1.00000 |
| 1400 | 3.7234  | -3.5097 | 1.0000 | 36.1573 | 3.7779  | 1.00000 |
| 1500 | 3.7571  | -3.5363 | 1.0000 | 36.4540 | 3.8106  | 1.00000 |
| 1500 | 3.7571  | -3.5400 | 1.0000 | 36.4533 | 3.8105  | 1.00002 |
| 1600 | 3.7890  | -3.5680 | 1.0001 | 36.7344 | 3.8450  | 1.00009 |
| 1700 | 3.8196  | -3.5944 | 1.0003 | 37.0063 | 3.8829  | 1.00026 |
| 1800 | 3.8495  | -3.6194 | 1.0007 | 37.2754 | 3.9283  | 1.00069 |
| 1900 | 3.8798  | -3.6433 | 1.0017 | 37.5517 | 3.9908  | 1.00168 |
| 2000 | 3.9120  | -3.6665 | 1.0038 | 37.8507 | 4.0831  | 1.00376 |
| 2100 | 3.9480  | -3.6894 | 1.0077 | 38.1944 | 4.2241  | 1.00772 |
| 2200 | 3.9899  | -3.7126 | 1.0148 | 38.6119 | 4.4411  | 1.01476 |
| 2300 | 4.0394  | -3.7369 | 1.0263 | 39.1356 | 4.7603  | 1.02631 |
| 2400 | 4.0967  | -3.7627 | 1.0438 | 39.7926 | 5.2057  | 1.04381 |
| 2500 | 4.1596  | -3.7903 | 1.0679 | 40.5867 | 5.7764  | 1.06787 |
| 2600 | 4.2230  | -3.8192 | 1.0973 | 41.4763 | 6.4269  | 1.09729 |
| 2700 | 4.2800  | -3.8476 | 1.1281 | 42.3615 | 7.0571  | 1.12810 |
| 2800 | 4.3256  | -3.8737 | 1.1552 | 43.1287 | 7.5585  | 1.15522 |
| 2900 | 4.3585  | -3.8964 | 1.1753 | 43.7144 | 7.8730  | 1.17526 |
| 3000 | 4.3814  | -3.9159 | 1.1883 | 44.1342 | 8.0226  | 1.18827 |
| 3100 | 4.3979  | -3.9330 | 1.1962 | 44.4389 | 8.0637  | 1.19618 |
| 3200 | 4.4107  | -3.9486 | 1.2010 | 44.6768 | 8.0456  | 1.20103 |
| 3300 | 4.4217  | -3.9631 | 1.2042 | 44.8799 | 8.0017  | 1.20419 |
| 3400 | 4.4319  | -3.9769 | 1.2066 | 45.0676 | 7.9517  | 1.20658 |
| 3500 | 4.4421  | -3.9903 | 1.2088 | 45.2527 | 7.9065  | 1.20875 |
| 3600 | 4.4526  | -4.0033 | 1.2111 | 45.4447 | 7.8765  | 1.21109 |
| 3700 | 4.4641  | -4.0163 | 1.2140 | 45.6526 | 7.8683  | 1.21396 |
| 3800 | 4.4770  | -4.0292 | 1.2178 | 45.8859 | 7.8920  | 1.21775 |
| 3900 | 4.4917  | -4.0423 | 1.2229 | 46.1546 | 7.9551  | 1.22286 |
| 4000 | 4.5069  | -4.0557 | 1.2298 | 46.4713 | 8.0686  | 1.22975 |
| 4100 | 4.5290  | -4.0697 | 1.2390 | 46.8501 | 8.2462  | 1.23904 |
| 4200 | 4.5527  | -4.0845 | 1.2514 | 47.3068 | 8.5011  | 1.25137 |
| 4300 | 4.5805  | -4.1003 | 1.2676 | 47.8602 | 8.8511  | 1.26757 |
| 4400 | 4.6124  | -4.1174 | 1.2885 | 48.5274 | 9.3096  | 1.28845 |
| 4500 | 4.6487  | -4.1360 | 1.3150 | 49.3299 | 9.8969  | 1.31497 |
| 4600 | 4.6890  | -4.1563 | 1.3479 | 50.2820 | 10.6235 | 1.34794 |
| 4700 | 4.7328  | -4.1784 | 1.3881 | 51.3962 | 11.5000 | 1.38808 |
| 4800 | 4.7791  | -4.2022 | 1.4357 | 52.6749 | 12.5260 | 1.43573 |
| 4900 | 4.8264  | -4.2274 | 1.4906 | 54.1037 | 13.6850 | 1.49056 |
| 5000 | 4.8736  | -4.2536 | 1.5515 | 55.6551 | 14.9478 | 1.55148 |
| 5100 | 4.9180  | -4.2798 | 1.6157 | 57.2509 | 16.2346 | 1.61565 |
| 5200 | 4.9586  | -4.3052 | 1.6801 | 58.8252 | 17.4818 | 1.68010 |
| 5300 | 4.9941  | -4.3290 | 1.7413 | 60.3008 | 18.6140 | 1.74132 |
| 5400 | 5.0239  | -4.3506 | 1.7961 | 61.6108 | 19.5674 | 1.79611 |
| 5500 | 5.0481  | -4.3697 | 1.8427 | 62.7216 | 20.3124 | 1.84265 |
| 5600 | 5.0672  | -4.3862 | 1.8802 | 63.6240 | 20.8438 | 1.88019 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 5700  | 5.0820 | -4.4007 | 1.9095 | 64.3417  | 21.1890 | 1.90951 |
| 5800  | 5.0935 | -4.4132 | 1.9318 | 64.9040  | 21.3808 | 1.93177 |
| 5900  | 5.1024 | -4.4244 | 1.9485 | 65.3469  | 21.4570 | 1.94847 |
| 6000  | 5.1096 | -4.4345 | 1.9609 | 65.6995  | 21.4485 | 1.96038 |
| 6100  | 5.1154 | -4.4437 | 1.9702 | 65.9881  | 21.3831 | 1.97022 |
| 6200  | 5.1204 | -4.4523 | 1.9774 | 66.2324  | 21.2805 | 1.97736 |
| 6300  | 5.1248 | -4.4605 | 1.9830 | 66.4471  | 21.1557 | 1.98299 |
| 6400  | 5.1286 | -4.4684 | 1.9876 | 66.6429  | 21.0193 | 1.98763 |
| 6500  | 5.1326 | -4.4760 | 1.9917 | 66.8283  | 20.8799 | 1.99167 |
| 6600  | 5.1364 | -4.4834 | 1.9954 | 67.0091  | 20.7430 | 1.99540 |
| 6700  | 5.1402 | -4.4908 | 1.9990 | 67.1901  | 20.6131 | 1.99904 |
| 6800  | 5.1441 | -4.4980 | 2.0028 | 67.3752  | 20.4937 | 2.00279 |
| 6900  | 5.1482 | -4.5052 | 2.0068 | 67.5676  | 20.3877 | 2.00681 |
| 7000  | 5.1526 | -4.5124 | 2.0112 | 67.7703  | 20.2977 | 2.01122 |
| 7100  | 5.1572 | -4.5196 | 2.0161 | 67.9859  | 20.2258 | 2.01617 |
| 7200  | 5.1621 | -4.5269 | 2.0217 | 68.2169  | 20.1744 | 2.02177 |
| 7300  | 5.1675 | -4.5343 | 2.0281 | 68.4661  | 20.1455 | 2.02815 |
| 7400  | 5.1733 | -4.5417 | 2.0354 | 68.7358  | 20.1413 | 2.03543 |
| 7500  | 5.1796 | -4.5493 | 2.0437 | 69.0289  | 20.1639 | 2.04376 |
| 7600  | 5.1865 | -4.5571 | 2.0532 | 69.3482  | 20.2157 | 2.05327 |
| 7700  | 5.1940 | -4.5651 | 2.0640 | 69.6962  | 20.2990 | 2.06409 |
| 7800  | 5.2021 | -4.5732 | 2.0763 | 70.0763  | 20.4164 | 2.07640 |
| 7900  | 5.2109 | -4.5817 | 2.0902 | 70.4911  | 20.5703 | 2.09033 |
| 8000  | 5.2204 | -4.5904 | 2.1059 | 70.9442  | 20.7635 | 2.10608 |
| 8100  | 5.2307 | -4.5994 | 2.1236 | 71.4385  | 20.9984 | 2.12381 |
| 8200  | 5.2418 | -4.6088 | 2.1435 | 71.9776  | 21.2782 | 2.14372 |
| 8300  | 5.2536 | -4.6185 | 2.1657 | 72.5645  | 21.6053 | 2.16598 |
| 8400  | 5.2664 | -4.6287 | 2.1905 | 73.2029  | 21.9829 | 2.19079 |
| 8500  | 5.2799 | -4.6392 | 2.2180 | 73.8956  | 22.4130 | 2.21835 |
| 8600  | 5.2943 | -4.6502 | 2.2484 | 74.6458  | 22.8983 | 2.24884 |
| 8700  | 5.3095 | -4.6617 | 2.2819 | 75.4563  | 23.4410 | 2.28245 |
| 8800  | 5.3255 | -4.6736 | 2.3187 | 76.3294  | 24.0430 | 2.31934 |
| 8900  | 5.3422 | -4.6860 | 2.3589 | 77.2668  | 24.7050 | 2.35966 |
| 9000  | 5.3596 | -4.6988 | 2.4027 | 78.2697  | 25.4280 | 2.40351 |
| 9100  | 5.3775 | -4.7121 | 2.4501 | 79.3388  | 26.2117 | 2.45099 |
| 9200  | 5.3960 | -4.7258 | 2.5010 | 80.4721  | 27.0540 | 2.50207 |
| 9300  | 5.4149 | -4.7398 | 2.5555 | 81.6679  | 27.9525 | 2.55672 |
| 9400  | 5.4341 | -4.7542 | 2.6135 | 82.9229  | 28.9034 | 2.61484 |
| 9500  | 5.4534 | -4.7688 | 2.6746 | 84.2304  | 29.8999 | 2.67614 |
| 9600  | 5.4727 | -4.7837 | 2.7387 | 85.5844  | 30.9355 | 2.74037 |
| 9700  | 5.4919 | -4.7986 | 2.8053 | 86.9755  | 32.0005 | 2.80707 |
| 9800  | 5.5109 | -4.8135 | 2.8738 | 88.3931  | 33.0842 | 2.87576 |
| 9900  | 5.5294 | -4.8284 | 2.9437 | 89.8258  | 34.1752 | 2.94585 |
| 10000 | 5.5473 | -4.8430 | 3.0143 | 91.2602  | 35.2603 | 3.01666 |
| 10100 | 5.5645 | -4.8574 | 3.0849 | 92.6810  | 36.3249 | 3.08736 |
| 10200 | 5.5810 | -4.8714 | 3.1547 | 94.0769  | 37.3577 | 3.15734 |
| 10300 | 5.5965 | -4.8849 | 3.2229 | 95.4322  | 38.3439 | 3.22574 |
| 10400 | 5.6112 | -4.8980 | 3.2891 | 96.7381  | 39.2748 | 3.29201 |
| 10500 | 5.6248 | -4.9104 | 3.3524 | 97.9824  | 40.1394 | 3.35546 |
| 10600 | 5.6374 | -4.9222 | 3.4125 | 99.1583  | 40.9312 | 3.41565 |
| 10700 | 5.6490 | -4.9334 | 3.4689 | 100.2599 | 41.6452 | 3.47217 |
| 10800 | 5.6596 | -4.9440 | 3.5214 | 101.2838 | 42.2787 | 3.52478 |
| 10900 | 5.6692 | -4.9539 | 3.5698 | 102.2279 | 42.8307 | 3.57328 |
| 11000 | 5.6779 | -4.9633 | 3.6142 | 103.0939 | 43.3035 | 3.61770 |
| 11100 | 5.6858 | -4.9720 | 3.6545 | 103.8840 | 43.6998 | 3.65810 |
| 11200 | 5.6929 | -4.9802 | 3.6910 | 104.6015 | 44.0239 | 3.69458 |
| 11300 | 5.6993 | -4.9879 | 3.7237 | 105.2507 | 44.2805 | 3.72735 |
| 11400 | 5.7050 | -4.9951 | 3.7530 | 105.8368 | 44.4755 | 3.75665 |
| 11500 | 5.7102 | -5.0019 | 3.7791 | 106.3656 | 44.6150 | 3.78275 |
| 11600 | 5.7148 | -5.0084 | 3.8023 | 106.8413 | 44.7043 | 3.80591 |
| 11700 | 5.7190 | -5.0144 | 3.8228 | 107.2704 | 44.7494 | 3.82643 |
| 11800 | 5.7227 | -5.0202 | 3.8409 | 107.6570 | 44.7553 | 3.84453 |
| 11900 | 5.7261 | -5.0256 | 3.8569 | 108.0065 | 44.7272 | 3.86050 |
| 12000 | 5.7292 | -5.0309 | 3.8710 | 108.3233 | 44.6698 | 3.87459 |
| 12100 | 5.7320 | -5.0359 | 3.8835 | 108.6106 | 44.5868 | 3.88697 |
| 12200 | 5.7346 | -5.0407 | 3.8944 | 108.8724 | 44.4821 | 3.89787 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 12300 | 5.7369 | -5.0453 | 3.9040 | 109.1117 | 44.3587 | 3.90745 |
| 12400 | 5.7390 | -5.0497 | 3.9125 | 109.3313 | 44.2198 | 3.91588 |
| 12500 | 5.7410 | -5.0540 | 3.9199 | 109.5338 | 44.0678 | 3.92330 |
| 12600 | 5.7429 | -5.0582 | 3.9265 | 109.7212 | 43.9046 | 3.92982 |
| 12700 | 5.7446 | -5.0623 | 3.9323 | 109.8957 | 43.7326 | 3.93558 |
| 12800 | 5.7462 | -5.0663 | 3.9374 | 110.0585 | 43.5530 | 3.94064 |
| 12900 | 5.7478 | -5.0702 | 3.9419 | 110.2113 | 43.3676 | 3.94512 |
| 13000 | 5.7492 | -5.0739 | 3.9459 | 110.3551 | 43.1773 | 3.94906 |
| 13100 | 5.7506 | -5.0777 | 3.9494 | 110.4911 | 42.9833 | 3.95256 |
| 13200 | 5.7519 | -5.0813 | 3.9526 | 110.6205 | 42.7865 | 3.95566 |
| 13300 | 5.7531 | -5.0849 | 3.9554 | 110.7440 | 42.5878 | 3.95841 |
| 13400 | 5.7544 | -5.0884 | 3.9578 | 110.8623 | 42.3878 | 3.96085 |
| 13500 | 5.7555 | -5.0919 | 3.9601 | 110.9759 | 42.1871 | 3.96302 |
| 13600 | 5.7566 | -5.0953 | 3.9620 | 111.0857 | 41.9860 | 3.96497 |
| 13700 | 5.7577 | -5.0987 | 3.9638 | 111.1917 | 41.7854 | 3.96671 |
| 13800 | 5.7588 | -5.1020 | 3.9654 | 111.2947 | 41.5851 | 3.96827 |
| 13900 | 5.7599 | -5.1053 | 3.9669 | 111.3949 | 41.3858 | 3.96969 |
| 14000 | 5.7611 | -5.1086 | 3.9682 | 111.5125 | 41.2076 | 3.97097 |
| 14100 | 5.7619 | -5.1118 | 3.9694 | 111.5887 | 40.9913 | 3.97214 |
| 14200 | 5.7629 | -5.1150 | 3.9705 | 111.6829 | 40.7964 | 3.97321 |
| 14300 | 5.7639 | -5.1182 | 3.9715 | 111.7755 | 40.6035 | 3.97420 |
| 14400 | 5.7649 | -5.1213 | 3.9725 | 111.8672 | 40.4128 | 3.97513 |
| 14500 | 5.7659 | -5.1244 | 3.9734 | 111.9578 | 40.2243 | 3.97601 |
| 14600 | 5.7668 | -5.1275 | 3.9743 | 112.0475 | 40.0383 | 3.97685 |
| 14700 | 5.7678 | -5.1305 | 3.9751 | 112.1370 | 39.8551 | 3.97767 |
| 14800 | 5.7688 | -5.1336 | 3.9760 | 112.2263 | 39.6748 | 3.97847 |
| 14900 | 5.7698 | -5.1366 | 3.9768 | 112.3156 | 39.4976 | 3.97928 |
| 15000 | 5.7708 | -5.1396 | 3.9777 | 112.4053 | 39.3237 | 3.98010 |

LOG P=-2.7

| T    | LOG H/R | LOG RHC | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5417  | -2.2636 | 1.0000 | 26.3003 | 3.4806 | 1.00000 |
| 200  | 2.8434  | -2.5646 | 1.0000 | 28.7195 | 3.4862 | 1.00000 |
| 300  | 3.0198  | -2.7407 | 1.0000 | 30.1363 | 3.4891 | 1.00000 |
| 400  | 3.1455  | -2.8657 | 1.0000 | 31.1463 | 3.4952 | 1.00000 |
| 500  | 3.2440  | -2.9626 | 1.0000 | 31.9399 | 3.5074 | 1.00000 |
| 600  | 3.3256  | -3.0417 | 1.0000 | 32.6002 | 3.5270 | 1.00000 |
| 700  | 3.3955  | -3.1087 | 1.0000 | 33.1715 | 3.5516 | 1.00000 |
| 800  | 3.4572  | -3.1667 | 1.0000 | 33.6762 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -3.2178 | 1.0000 | 34.1321 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -3.2636 | 1.0000 | 34.5473 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -3.3050 | 1.0000 | 34.9295 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -3.3428 | 1.0000 | 35.2861 | 3.7122 | 1.00000 |
| 1300 | 3.6874  | -3.3775 | 1.0000 | 35.6163 | 3.7452 | 1.00000 |
| 1400 | 3.7234  | -3.4097 | 1.0000 | 35.9274 | 3.7779 | 1.00000 |
| 1500 | 3.7571  | -3.4308 | 1.0000 | 36.2232 | 3.8106 | 1.00000 |
| 1500 | 3.7571  | -3.4400 | 1.0000 | 36.2229 | 3.8104 | 1.00002 |
| 1600 | 3.7890  | -3.4680 | 1.0001 | 36.5038 | 3.8447 | 1.00008 |
| 1700 | 3.8195  | -3.4944 | 1.0002 | 36.7750 | 3.8819 | 1.00023 |
| 1800 | 3.8492  | -3.5194 | 1.0006 | 37.0424 | 3.9258 | 1.00061 |
| 1900 | 3.8792  | -3.5433 | 1.0015 | 37.3152 | 3.9849 | 1.00150 |
| 2000 | 3.9107  | -3.5663 | 1.0034 | 37.6072 | 4.0707 | 1.00335 |
| 2100 | 3.9455  | -3.5891 | 1.0069 | 37.9384 | 4.2000 | 1.00669 |
| 2200 | 3.9857  | -3.6120 | 1.0132 | 38.3351 | 4.3977 | 1.01320 |
| 2300 | 4.0327  | -3.6357 | 1.0236 | 38.8275 | 4.6883 | 1.02360 |
| 2400 | 4.0874  | -3.6609 | 1.0395 | 39.4429 | 5.0958 | 1.03948 |
| 2500 | 4.1481  | -3.6878 | 1.0617 | 40.1906 | 5.6255 | 1.06167 |
| 2600 | 4.2105  | -3.7161 | 1.0895 | 41.0427 | 6.2450 | 1.08950 |
| 2700 | 4.2684  | -3.7444 | 1.1198 | 41.9167 | 6.8710 | 1.11978 |
| 2800 | 4.3164  | -3.7709 | 1.1478 | 42.7049 | 7.3998 | 1.14780 |
| 2900 | 4.3522  | -3.7943 | 1.1696 | 43.3295 | 7.7581 | 1.16963 |
| 3000 | 4.3774  | -3.8145 | 1.1844 | 43.7861 | 7.9477 | 1.18441 |
| 3100 | 4.3954  | -3.8321 | 1.1936 | 44.1166 | 8.0166 | 1.19364 |

|      |        |         |        |         |         |         |
|------|--------|---------|--------|---------|---------|---------|
| 3200 | 4.4091 | -3.8479 | 1.1993 | 44.3700 | 8.0151  | 1.19932 |
| 3300 | 4.4205 | -3.8626 | 1.2030 | 44.5812 | 7.9801  | 1.20297 |
| 3400 | 4.4310 | -3.8765 | 1.2056 | 44.7720 | 7.9339  | 1.20562 |
| 3500 | 4.4411 | -3.8900 | 1.2079 | 44.9567 | 7.8888  | 1.20789 |
| 3600 | 4.4515 | -3.9030 | 1.2102 | 45.1452 | 7.8558  | 1.21019 |
| 3700 | 4.4626 | -3.9159 | 1.2129 | 45.3464 | 7.8415  | 1.21291 |
| 3800 | 4.4750 | -3.9287 | 1.2164 | 45.5691 | 7.8554  | 1.21639 |
| 3900 | 4.4889 | -3.9416 | 1.2210 | 45.8228 | 7.9046  | 1.22103 |
| 4000 | 4.5051 | -3.9548 | 1.2272 | 46.1186 | 7.9988  | 1.22724 |
| 4100 | 4.5240 | -3.9685 | 1.2356 | 46.4696 | 8.1506  | 1.23558 |
| 4200 | 4.5461 | -3.9828 | 1.2466 | 46.8899 | 8.3718  | 1.24663 |
| 4300 | 4.5719 | -3.9981 | 1.2612 | 47.3966 | 8.6787  | 1.26116 |
| 4400 | 4.6017 | -4.0145 | 1.2799 | 48.0057 | 9.0835  | 1.27988 |
| 4500 | 4.6357 | -4.0323 | 1.3037 | 48.7373 | 9.6057  | 1.30372 |
| 4600 | 4.6737 | -4.0516 | 1.3335 | 49.6058 | 10.2560 | 1.33347 |
| 4700 | 4.7153 | -4.0726 | 1.3699 | 50.6254 | 11.0466 | 1.36986 |
| 4800 | 4.7598 | -4.0954 | 1.4134 | 51.8026 | 11.9817 | 1.41344 |
| 4900 | 4.8059 | -4.1196 | 1.4642 | 53.1310 | 13.0524 | 1.46415 |
| 5000 | 4.8525 | -4.1451 | 1.5214 | 54.5946 | 14.2411 | 1.52139 |
| 5100 | 4.8974 | -4.1709 | 1.5830 | 56.1293 | 15.4815 | 1.58297 |
| 5200 | 4.9393 | -4.1964 | 1.6465 | 57.6808 | 16.7208 | 1.64647 |
| 5300 | 4.9768 | -4.2208 | 1.7087 | 59.1773 | 17.8878 | 1.70866 |
| 5400 | 5.0091 | -4.2433 | 1.7662 | 60.5458 | 18.9125 | 1.76615 |
| 5500 | 5.0360 | -4.2635 | 1.8166 | 61.7402 | 19.7523 | 1.81659 |
| 5600 | 5.0575 | -4.2812 | 1.8585 | 62.7352 | 20.3856 | 1.85852 |
| 5700 | 5.0745 | -4.2967 | 1.8921 | 63.5417 | 20.8270 | 1.89213 |
| 5800 | 5.0877 | -4.3102 | 1.9182 | 64.1812 | 21.1015 | 1.91817 |
| 5900 | 5.0981 | -4.3221 | 1.9380 | 64.6865 | 21.2442 | 1.93799 |
| 6000 | 5.1063 | -4.3327 | 1.9528 | 65.0868 | 21.2865 | 1.95284 |
| 6100 | 5.1129 | -4.3423 | 1.9640 | 65.4107 | 21.2587 | 1.96402 |
| 6200 | 5.1184 | -4.3513 | 1.9725 | 65.6800 | 21.1829 | 1.97251 |
| 6300 | 5.1231 | -4.3597 | 1.9791 | 65.9119 | 21.0767 | 1.97912 |
| 6400 | 5.1274 | -4.3677 | 1.9844 | 66.1186 | 20.9524 | 1.98441 |
| 6500 | 5.1314 | -4.3754 | 1.9889 | 66.3102 | 20.8201 | 1.98888 |
| 6600 | 5.1352 | -4.3829 | 1.9928 | 66.4933 | 20.6864 | 1.99285 |
| 6700 | 5.1390 | -4.3902 | 1.9966 | 66.6734 | 20.5564 | 1.99658 |
| 6800 | 5.1429 | -4.3975 | 2.0003 | 66.8549 | 20.4343 | 2.00029 |
| 6900 | 5.1468 | -4.4046 | 2.0041 | 67.0411 | 20.3229 | 2.00414 |
| 7000 | 5.1510 | -4.4118 | 2.0083 | 67.2353 | 20.2254 | 2.00828 |
| 7100 | 5.1554 | -4.4189 | 2.0128 | 67.4399 | 20.1437 | 2.01285 |
| 7200 | 5.1601 | -4.4261 | 2.0179 | 67.6576 | 20.0801 | 2.01796 |
| 7300 | 5.1652 | -4.4333 | 2.0237 | 67.8909 | 20.0368 | 2.02375 |
| 7400 | 5.1706 | -4.4406 | 2.0303 | 68.1421 | 20.0156 | 2.03032 |
| 7500 | 5.1765 | -4.4481 | 2.0377 | 68.4138 | 20.0186 | 2.03780 |
| 7600 | 5.1829 | -4.4556 | 2.0463 | 68.7085 | 20.0480 | 2.04632 |
| 7700 | 5.1898 | -4.4634 | 2.0559 | 69.0286 | 20.1058 | 2.05601 |
| 7800 | 5.1973 | -4.4713 | 2.0669 | 69.3772 | 20.1944 | 2.06701 |
| 7900 | 5.2055 | -4.4794 | 2.0793 | 69.7566 | 20.3159 | 2.07946 |
| 8000 | 5.2143 | -4.4878 | 2.0934 | 70.1702 | 20.4729 | 2.09354 |
| 8100 | 5.2238 | -4.4965 | 2.1092 | 70.6204 | 20.6677 | 2.10937 |
| 8200 | 5.2340 | -4.5054 | 2.1269 | 71.1107 | 20.9030 | 2.12716 |
| 8300 | 5.2450 | -4.5147 | 2.1468 | 71.6439 | 21.1813 | 2.14705 |
| 8400 | 5.2568 | -4.5244 | 2.1689 | 72.2233 | 21.5051 | 2.16925 |
| 8500 | 5.2694 | -4.5344 | 2.1935 | 72.8516 | 21.8768 | 2.19392 |
| 8600 | 5.2828 | -4.5449 | 2.2208 | 73.5320 | 22.2989 | 2.22124 |
| 8700 | 5.2970 | -4.5557 | 2.2509 | 74.2671 | 22.7736 | 2.25138 |
| 8800 | 5.3119 | -4.5670 | 2.2840 | 75.0595 | 23.3027 | 2.28454 |
| 8900 | 5.3276 | -4.5788 | 2.3202 | 75.9111 | 23.8878 | 2.32084 |
| 9000 | 5.3439 | -4.5909 | 2.3596 | 76.8237 | 24.5299 | 2.36042 |
| 9100 | 5.3610 | -4.6036 | 2.4025 | 77.7986 | 25.2299 | 2.40340 |
| 9200 | 5.3785 | -4.6166 | 2.4488 | 78.8351 | 25.9867 | 2.44981 |
| 9300 | 5.3966 | -4.6300 | 2.4985 | 79.9329 | 26.7992 | 2.49970 |
| 9400 | 5.4151 | -4.6438 | 2.5517 | 81.0902 | 27.6652 | 2.55301 |
| 9500 | 5.4338 | -4.6579 | 2.6081 | 82.3024 | 28.5799 | 2.60960 |
| 9600 | 5.4527 | -4.6723 | 2.6677 | 83.5656 | 29.5388 | 2.66929 |
| 9700 | 5.4716 | -4.6868 | 2.7300 | 84.8730 | 30.5347 | 2.73179 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 9800  | 5.4904 | -4.7014 | 2.7947 | 86.2158  | 31.5590 | 2.79668 |
| 9900  | 5.5089 | -4.7161 | 2.8614 | 87.5854  | 32.6028 | 2.86356 |
| 10000 | 5.5271 | -4.7307 | 2.9295 | 88.9708  | 33.6551 | 2.93156 |
| 10100 | 5.5447 | -4.7451 | 2.9984 | 90.3585  | 34.7028 | 3.00089 |
| 10200 | 5.5617 | -4.7592 | 3.0674 | 91.7382  | 35.7355 | 3.07007 |
| 10300 | 5.5780 | -4.7730 | 3.1358 | 93.0945  | 36.7387 | 3.13861 |
| 10400 | 5.5934 | -4.7864 | 3.2029 | 94.4184  | 37.7030 | 3.20595 |
| 10500 | 5.6080 | -4.7993 | 3.2682 | 95.6966  | 38.6163 | 3.27134 |
| 10600 | 5.6216 | -4.8117 | 3.3309 | 96.9203  | 39.4697 | 3.33425 |
| 10700 | 5.6342 | -4.8235 | 3.3907 | 98.0812  | 40.2563 | 3.39418 |
| 10800 | 5.6459 | -4.8347 | 3.4472 | 99.1734  | 40.9707 | 3.45072 |
| 10900 | 5.6566 | -4.8453 | 3.4999 | 100.1923 | 41.6092 | 3.50354 |
| 11000 | 5.6664 | -4.8553 | 3.5488 | 101.1370 | 42.1714 | 3.55255 |
| 11100 | 5.6753 | -4.8647 | 3.5939 | 102.0078 | 42.6584 | 3.59767 |
| 11200 | 5.6834 | -4.8736 | 3.6350 | 102.8055 | 43.0717 | 3.63888 |
| 11300 | 5.6907 | -4.8819 | 3.6724 | 103.5329 | 43.4148 | 3.67631 |
| 11400 | 5.6973 | -4.8897 | 3.7062 | 104.1941 | 43.6923 | 3.71011 |
| 11500 | 5.7033 | -4.8970 | 3.7366 | 104.7939 | 43.9094 | 3.74051 |
| 11600 | 5.7086 | -4.9039 | 3.7637 | 105.3361 | 44.0707 | 3.76771 |
| 11700 | 5.7134 | -4.9105 | 3.7880 | 105.8266 | 44.1823 | 3.79198 |
| 11800 | 5.7178 | -4.9166 | 3.8096 | 106.2692 | 44.2467 | 3.81354 |
| 11900 | 5.7217 | -4.9225 | 3.8287 | 106.6696 | 44.2755 | 3.83269 |
| 12000 | 5.7253 | -4.9280 | 3.8457 | 107.0325 | 44.2677 | 3.84965 |
| 12100 | 5.7285 | -4.9333 | 3.8608 | 107.3610 | 44.2291 | 3.86464 |
| 12200 | 5.7314 | -4.9384 | 3.8740 | 107.6598 | 44.1640 | 3.87788 |
| 12300 | 5.7341 | -4.9432 | 3.8857 | 107.9320 | 44.0761 | 3.88957 |
| 12400 | 5.7366 | -4.9479 | 3.8961 | 108.1809 | 43.9685 | 3.89989 |
| 12500 | 5.7388 | -4.9524 | 3.9052 | 108.4094 | 43.8443 | 3.90899 |
| 12600 | 5.7409 | -4.9568 | 3.9133 | 108.6198 | 43.7058 | 3.91702 |
| 12700 | 5.7429 | -4.9610 | 3.9204 | 108.8147 | 43.5557 | 3.92412 |
| 12800 | 5.7447 | -4.9651 | 3.9267 | 108.9954 | 43.3954 | 3.93038 |
| 12900 | 5.7464 | -4.9691 | 3.9323 | 109.1641 | 43.2270 | 3.93592 |
| 13000 | 5.7479 | -4.9730 | 3.9373 | 109.3220 | 43.0518 | 3.94081 |
| 13100 | 5.7494 | -4.9768 | 3.9416 | 109.4704 | 42.8711 | 3.94515 |
| 13200 | 5.7509 | -4.9805 | 3.9455 | 109.6103 | 42.6861 | 3.94900 |
| 13300 | 5.7522 | -4.9842 | 3.9490 | 109.7440 | 42.4978 | 3.95241 |
| 13400 | 5.7535 | -4.9878 | 3.9521 | 109.8707 | 42.3069 | 3.95544 |
| 13500 | 5.7548 | -4.9913 | 3.9548 | 109.9919 | 42.1143 | 3.95814 |
| 13600 | 5.7560 | -4.9948 | 3.9573 | 110.1082 | 41.9204 | 3.96056 |
| 13700 | 5.7571 | -4.9982 | 3.9595 | 110.2200 | 41.7259 | 3.96271 |
| 13800 | 5.7583 | -5.0016 | 3.9615 | 110.3281 | 41.5312 | 3.96464 |
| 13900 | 5.7594 | -5.0049 | 3.9632 | 110.4328 | 41.3367 | 3.96638 |
| 14000 | 5.7606 | -5.0082 | 3.9648 | 110.5342 | 41.1627 | 3.96796 |
| 14100 | 5.7615 | -5.0115 | 3.9663 | 110.6337 | 40.9499 | 3.96937 |
| 14200 | 5.7625 | -5.0147 | 3.9676 | 110.7307 | 40.7582 | 3.97067 |
| 14300 | 5.7635 | -5.0179 | 3.9689 | 110.8257 | 40.5678 | 3.97186 |
| 14400 | 5.7645 | -5.0210 | 3.9700 | 110.9192 | 40.3791 | 3.97295 |
| 14500 | 5.7655 | -5.0241 | 3.9711 | 111.0113 | 40.1924 | 3.97397 |
| 14600 | 5.7665 | -5.0272 | 3.9721 | 111.1020 | 40.0077 | 3.97493 |
| 14700 | 5.7675 | -5.0303 | 3.9730 | 111.1921 | 39.8254 | 3.97584 |
| 14800 | 5.7685 | -5.0333 | 3.9739 | 111.2817 | 39.6454 | 3.97671 |
| 14900 | 5.7694 | -5.0364 | 3.9748 | 111.3707 | 39.4681 | 3.97756 |
| 15000 | 5.7704 | -5.0394 | 3.9757 | 111.4597 | 39.2937 | 3.97841 |

LOG P=-2.6

| T   | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|-----|---------|---------|--------|---------|--------|---------|
| 100 | 2.5417  | -2.1636 | 1.0000 | 26.0701 | 3.4806 | 1.00000 |
| 200 | 2.8434  | -2.4646 | 1.0000 | 28.4889 | 3.4862 | 1.00000 |
| 300 | 3.0198  | -2.6407 | 1.0000 | 29.9058 | 3.4891 | 1.00000 |
| 400 | 3.1455  | -2.7657 | 1.0000 | 30.9160 | 3.4952 | 1.00000 |
| 500 | 3.2440  | -2.8626 | 1.0000 | 31.7099 | 3.5074 | 1.00000 |
| 600 | 3.3256  | -2.9417 | 1.0000 | 32.3700 | 3.5270 | 1.00000 |
| 700 | 3.3955  | -3.0087 | 1.0000 | 32.9410 | 3.5516 | 1.00000 |
| 800 | 3.4572  | -3.0667 | 1.0000 | 33.4457 | 3.5817 | 1.00000 |

|      |        |         |        |         |         |         |
|------|--------|---------|--------|---------|---------|---------|
| 900  | 3.5121 | -3.1178 | 1.0000 | 33.9020 | 3.6129  | 1.00000 |
| 1000 | 3.5619 | -3.1636 | 1.0000 | 34.3171 | 3.6467  | 1.00000 |
| 1100 | 3.6071 | -3.2050 | 1.0000 | 34.6995 | 3.6791  | 1.00000 |
| 1200 | 3.6488 | -3.2428 | 1.0000 | 35.0556 | 3.7122  | 1.00000 |
| 1300 | 3.6874 | -3.2775 | 1.0000 | 35.3864 | 3.7452  | 1.00000 |
| 1400 | 3.7234 | -3.3097 | 1.0000 | 35.6969 | 3.7779  | 1.00000 |
| 1500 | 3.7571 | -3.3321 | 1.0000 | 35.9720 | 3.8106  | 1.00000 |
| 1500 | 3.7571 | -3.3400 | 1.0000 | 35.9925 | 3.8103  | 1.00002 |
| 1600 | 3.7889 | -3.3680 | 1.0001 | 36.2732 | 3.8444  | 1.00007 |
| 1700 | 3.8194 | -3.3944 | 1.0002 | 36.5438 | 3.8810  | 1.00020 |
| 1800 | 3.8490 | -3.4194 | 1.0006 | 36.8097 | 3.9235  | 1.00055 |
| 1900 | 3.8786 | -3.4432 | 1.0014 | 37.0794 | 3.9797  | 1.00134 |
| 2000 | 3.9095 | -3.4662 | 1.0030 | 37.3651 | 4.0596  | 1.00299 |
| 2100 | 3.9432 | -3.4887 | 1.0062 | 37.6850 | 4.1784  | 1.00616 |
| 2200 | 3.9818 | -3.5114 | 1.0118 | 38.0630 | 4.3588  | 1.01180 |
| 2300 | 4.0267 | -3.5347 | 1.0212 | 38.5270 | 4.6231  | 1.02116 |
| 2400 | 4.0788 | -3.5592 | 1.0355 | 39.1037 | 4.9955  | 1.03554 |
| 2500 | 4.1371 | -3.5854 | 1.0559 | 39.8065 | 5.4852  | 1.05591 |
| 2600 | 4.1982 | -3.6131 | 1.0820 | 40.6184 | 6.0708  | 1.08203 |
| 2700 | 4.2565 | -3.6411 | 1.1115 | 41.4737 | 6.6850  | 1.11147 |
| 2800 | 4.3065 | -3.6679 | 1.1400 | 42.2742 | 7.2325  | 1.13999 |
| 2900 | 4.3449 | -3.6920 | 1.1634 | 42.9332 | 7.6303  | 1.16338 |
| 3000 | 4.3726 | -3.7129 | 1.1800 | 43.4274 | 7.8613  | 1.17997 |
| 3100 | 4.3924 | -3.7310 | 1.1907 | 43.7868 | 7.9613  | 1.19066 |
| 3200 | 4.4071 | -3.7472 | 1.1973 | 44.0585 | 7.9794  | 1.19731 |
| 3300 | 4.4192 | -3.7621 | 1.2016 | 44.2797 | 7.9555  | 1.20157 |
| 3400 | 4.4299 | -3.7762 | 1.2046 | 44.4751 | 7.9144  | 1.20454 |
| 3500 | 4.4401 | -3.7896 | 1.2070 | 44.6605 | 7.8706  | 1.20696 |
| 3600 | 4.4504 | -3.8027 | 1.2093 | 44.8465 | 7.8356  | 1.20927 |
| 3700 | 4.4612 | -3.8155 | 1.2119 | 45.0421 | 7.8164  | 1.21188 |
| 3800 | 4.4731 | -3.8283 | 1.2151 | 45.2557 | 7.8220  | 1.21511 |
| 3900 | 4.4864 | -3.8410 | 1.2193 | 45.4961 | 7.8588  | 1.21933 |
| 4000 | 4.5017 | -3.8540 | 1.2250 | 45.7735 | 7.9360  | 1.22496 |
| 4100 | 4.5194 | -3.8674 | 1.2325 | 46.0996 | 8.0647  | 1.23244 |
| 4200 | 4.5400 | -3.8814 | 1.2424 | 46.4873 | 8.2558  | 1.24237 |
| 4300 | 4.5641 | -3.8961 | 1.2554 | 46.9523 | 8.5240  | 1.25538 |
| 4400 | 4.5919 | -3.9119 | 1.2722 | 47.5090 | 8.8806  | 1.27217 |
| 4500 | 4.6237 | -3.9289 | 1.2936 | 48.1762 | 9.3437  | 1.29359 |
| 4600 | 4.6594 | -3.9473 | 1.3204 | 48.9683 | 9.9240  | 1.32037 |
| 4700 | 4.6988 | -3.9674 | 1.3533 | 49.8999 | 10.6346 | 1.35330 |
| 4800 | 4.7413 | -3.9890 | 1.3930 | 50.9803 | 11.4825 | 1.39298 |
| 4900 | 4.7859 | -4.0123 | 1.4396 | 52.2092 | 12.4650 | 1.43961 |
| 5000 | 4.8317 | -4.0369 | 1.4930 | 53.5803 | 13.5739 | 1.49297 |
| 5100 | 4.8765 | -4.0622 | 1.5514 | 55.0416 | 14.7545 | 1.55144 |
| 5200 | 4.9192 | -4.0875 | 1.6131 | 56.5510 | 15.9657 | 1.61313 |
| 5300 | 4.9584 | -4.1122 | 1.6752 | 58.0446 | 17.1443 | 1.67524 |
| 5400 | 4.9930 | -4.1354 | 1.7345 | 59.4506 | 18.2202 | 1.73448 |
| 5500 | 5.0223 | -4.1566 | 1.7882 | 60.7144 | 19.1414 | 1.78817 |
| 5600 | 5.0464 | -4.1755 | 1.8342 | 61.7959 | 19.8713 | 1.83420 |
| 5700 | 5.0657 | -4.1921 | 1.8722 | 62.6923 | 20.4108 | 1.87215 |
| 5800 | 5.0810 | -4.2065 | 1.9022 | 63.4140 | 20.7740 | 1.90222 |
| 5900 | 5.0929 | -4.2193 | 1.9255 | 63.9888 | 20.9913 | 1.92551 |
| 6000 | 5.1023 | -4.2305 | 1.9432 | 64.4444 | 21.0926 | 1.94318 |
| 6100 | 5.1098 | -4.2407 | 1.9566 | 64.8104 | 21.1098 | 1.95655 |
| 6200 | 5.1160 | -4.2500 | 1.9667 | 65.1107 | 21.0671 | 1.96669 |
| 6300 | 5.1212 | -4.2587 | 1.9745 | 65.3645 | 20.9845 | 1.97450 |
| 6400 | 5.1258 | -4.2669 | 1.9807 | 65.5861 | 20.8763 | 1.98066 |
| 6500 | 5.1300 | -4.2747 | 1.9857 | 65.7869 | 20.7545 | 1.98572 |
| 6600 | 5.1340 | -4.2823 | 1.9901 | 65.9750 | 20.6267 | 1.99007 |
| 6700 | 5.1378 | -4.2897 | 1.9940 | 66.1564 | 20.4988 | 1.99399 |
| 6800 | 5.1416 | -4.2969 | 1.9977 | 66.3362 | 20.3758 | 1.99775 |
| 6900 | 5.1455 | -4.3041 | 2.0015 | 66.5181 | 20.2611 | 2.00152 |
| 7000 | 5.1495 | -4.3112 | 2.0055 | 66.7055 | 20.1577 | 2.00547 |
| 7100 | 5.1538 | -4.3183 | 2.0097 | 66.9010 | 20.0679 | 2.00974 |
| 7200 | 5.1582 | -4.3253 | 2.0144 | 67.1074 | 19.9942 | 2.01446 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 7300  | 5.1630 | -4.3325 | 2.0197 | 67.3269  | 19.9383 | 2.01973 |
| 7400  | 5.1681 | -4.3397 | 2.0256 | 67.5619  | 19.9023 | 2.02568 |
| 7500  | 5.1737 | -4.3469 | 2.0324 | 67.8147  | 19.8881 | 2.03242 |
| 7600  | 5.1796 | -4.3543 | 2.0400 | 68.0877  | 19.8976 | 2.04007 |
| 7700  | 5.1861 | -4.3618 | 2.0487 | 68.3832  | 19.9329 | 2.04876 |
| 7800  | 5.1930 | -4.3695 | 2.0585 | 68.7037  | 19.9959 | 2.05861 |
| 7900  | 5.2006 | -4.3774 | 2.0696 | 69.0517  | 20.0886 | 2.06974 |
| 8000  | 5.2087 | -4.3855 | 2.0822 | 69.4300  | 20.2134 | 2.08233 |
| 8100  | 5.2175 | -4.3938 | 2.0963 | 69.8410  | 20.3723 | 2.09648 |
| 8200  | 5.2270 | -4.4024 | 2.1122 | 70.2877  | 20.5678 | 2.11236 |
| 8300  | 5.2372 | -4.4113 | 2.1299 | 70.7727  | 20.8022 | 2.13015 |
| 8400  | 5.2481 | -4.4205 | 2.1497 | 71.2990  | 21.0779 | 2.14999 |
| 8500  | 5.2598 | -4.4301 | 2.1717 | 71.8694  | 21.3970 | 2.17206 |
| 8600  | 5.2722 | -4.4400 | 2.1961 | 72.4866  | 21.7619 | 2.19651 |
| 8700  | 5.2854 | -4.4503 | 2.2230 | 73.1533  | 22.1748 | 2.22352 |
| 8800  | 5.2993 | -4.4610 | 2.2527 | 73.8722  | 22.6378 | 2.25327 |
| 8900  | 5.3140 | -4.4722 | 2.2852 | 74.6454  | 23.1523 | 2.28590 |
| 9000  | 5.3294 | -4.4837 | 2.3208 | 75.4747  | 23.7199 | 2.32153 |
| 9100  | 5.3454 | -4.4957 | 2.3595 | 76.3621  | 24.3419 | 2.36034 |
| 9200  | 5.3620 | -4.5081 | 2.4014 | 77.3075  | 25.0176 | 2.40236 |
| 9300  | 5.3792 | -4.5209 | 2.4466 | 78.3117  | 25.7474 | 2.44769 |
| 9400  | 5.3969 | -4.5341 | 2.4951 | 79.3738  | 26.5300 | 2.49632 |
| 9500  | 5.4149 | -4.5476 | 2.5468 | 80.4911  | 27.3621 | 2.54820 |
| 9600  | 5.4332 | -4.5614 | 2.6017 | 81.6613  | 28.2413 | 2.60325 |
| 9700  | 5.4516 | -4.5754 | 2.6595 | 82.8796  | 29.1622 | 2.66125 |
| 9800  | 5.4701 | -4.5897 | 2.7200 | 84.1398  | 30.1184 | 2.72195 |
| 9900  | 5.4884 | -4.6040 | 2.7829 | 85.4353  | 31.1033 | 2.78504 |
| 10000 | 5.5066 | -4.6184 | 2.8478 | 86.7580  | 32.1081 | 2.85011 |
| 10100 | 5.5244 | -4.6327 | 2.9141 | 88.0961  | 33.1213 | 2.91658 |
| 10200 | 5.5415 | -4.6469 | 2.9813 | 89.4404  | 34.1340 | 2.98395 |
| 10300 | 5.5586 | -4.6608 | 3.0486 | 90.7773  | 35.1329 | 3.05151 |
| 10400 | 5.5747 | -4.6744 | 3.1157 | 92.0976  | 36.1088 | 3.11873 |
| 10500 | 5.5900 | -4.6877 | 3.1816 | 93.3879  | 37.0492 | 3.18488 |
| 10600 | 5.6045 | -4.7005 | 3.2460 | 94.6389  | 37.9450 | 3.24939 |
| 10700 | 5.6181 | -4.7128 | 3.3081 | 95.8412  | 38.7871 | 3.31171 |
| 10800 | 5.6308 | -4.7246 | 3.3676 | 96.9866  | 39.5681 | 3.37132 |
| 10900 | 5.6425 | -4.7358 | 3.4240 | 98.0685  | 40.2822 | 3.42781 |
| 11000 | 5.6534 | -4.7465 | 3.4770 | 99.0832  | 40.9263 | 3.48091 |
| 11100 | 5.6634 | -4.7565 | 3.5264 | 100.0290 | 41.4990 | 3.53044 |
| 11200 | 5.6725 | -4.7660 | 3.5721 | 100.9041 | 41.9999 | 3.57623 |
| 11300 | 5.6808 | -4.7749 | 3.6141 | 101.7096 | 42.4300 | 3.61830 |
| 11400 | 5.6883 | -4.7834 | 3.6525 | 102.4474 | 42.7925 | 3.65671 |
| 11500 | 5.6951 | -4.7913 | 3.6873 | 103.1213 | 43.0912 | 3.69160 |
| 11600 | 5.7013 | -4.7987 | 3.7188 | 103.7343 | 43.3300 | 3.72309 |
| 11700 | 5.7068 | -4.8057 | 3.7471 | 104.2911 | 43.5140 | 3.75143 |
| 11800 | 5.7118 | -4.8124 | 3.7725 | 104.7953 | 43.6474 | 3.77680 |
| 11900 | 5.7164 | -4.8186 | 3.7952 | 105.2526 | 43.7361 | 3.79948 |
| 12000 | 5.7205 | -4.8246 | 3.8154 | 105.6676 | 43.7847 | 3.81971 |
| 12100 | 5.7242 | -4.8302 | 3.8334 | 106.0434 | 43.7971 | 3.83768 |
| 12200 | 5.7276 | -4.8356 | 3.8494 | 106.3850 | 43.7783 | 3.85365 |
| 12300 | 5.7307 | -4.8408 | 3.8636 | 106.6957 | 43.7320 | 3.86781 |
| 12400 | 5.7335 | -4.8457 | 3.8761 | 106.9792 | 43.6615 | 3.88035 |
| 12500 | 5.7361 | -4.8504 | 3.8873 | 107.2386 | 43.5707 | 3.89147 |
| 12600 | 5.7385 | -4.8550 | 3.8972 | 107.4766 | 43.4620 | 3.90130 |
| 12700 | 5.7407 | -4.8594 | 3.9059 | 107.6960 | 43.3381 | 3.91002 |
| 12800 | 5.7427 | -4.8637 | 3.9137 | 107.8986 | 43.2013 | 3.91773 |
| 12900 | 5.7446 | -4.8678 | 3.9206 | 108.0866 | 43.0537 | 3.92456 |
| 13000 | 5.7464 | -4.8718 | 3.9267 | 108.2617 | 42.8970 | 3.93061 |
| 13100 | 5.7480 | -4.8757 | 3.9321 | 108.4254 | 42.7327 | 3.93598 |
| 13200 | 5.7496 | -4.8796 | 3.9369 | 108.5793 | 42.5622 | 3.94074 |
| 13300 | 5.7511 | -4.8833 | 3.9412 | 108.7244 | 42.3867 | 3.94498 |
| 13400 | 5.7525 | -4.8870 | 3.9450 | 108.8617 | 42.2072 | 3.94874 |
| 13500 | 5.7538 | -4.8906 | 3.9484 | 108.9922 | 42.0246 | 3.95210 |
| 13600 | 5.7551 | -4.8942 | 3.9514 | 109.1168 | 41.8395 | 3.95510 |
| 13700 | 5.7564 | -4.8976 | 3.9542 | 109.2359 | 41.6529 | 3.95777 |
| 13800 | 5.7576 | -4.9011 | 3.9566 | 109.3504 | 41.4651 | 3.96016 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 13900 | 5.7587 | -4.9044 | 3.9588 | 109.4607 | 41.2768 | 3.96231 |
| 14000 | 5.7601 | -4.9078 | 3.9608 | 109.5870 | 41.1080 | 3.96425 |
| 14100 | 5.7609 | -4.9111 | 3.9626 | 109.6709 | 40.8999 | 3.96599 |
| 14200 | 5.7620 | -4.9143 | 3.9642 | 109.7716 | 40.7122 | 3.96757 |
| 14300 | 5.7631 | -4.9175 | 3.9657 | 109.8697 | 40.5254 | 3.96901 |
| 14400 | 5.7641 | -4.9207 | 3.9670 | 109.9659 | 40.3398 | 3.97032 |
| 14500 | 5.7651 | -4.9238 | 3.9683 | 110.0602 | 40.1554 | 3.97153 |
| 14600 | 5.7661 | -4.9269 | 3.9694 | 110.1527 | 39.9728 | 3.97266 |
| 14700 | 5.7671 | -4.9300 | 3.9705 | 110.2442 | 39.7920 | 3.97370 |
| 14800 | 5.7681 | -4.9331 | 3.9716 | 110.3347 | 39.6132 | 3.97469 |
| 14900 | 5.7691 | -4.9361 | 3.9725 | 110.4242 | 39.4366 | 3.97563 |
| 15000 | 5.7701 | -4.9391 | 3.9735 | 110.5133 | 39.2625 | 3.97654 |

LOG P=-2.5

| Y    | LOG H/R | LOG RHO | Z      | S/R     | H/RT    | Z*      |
|------|---------|---------|--------|---------|---------|---------|
| 100  | 2.5417  | -2.0636 | 1.0000 | 25.8396 | 3.4806  | 1.00000 |
| 200  | 2.8434  | -2.3646 | 1.0000 | 28.2586 | 3.4862  | 1.00000 |
| 300  | 3.0198  | -2.5407 | 1.0000 | 29.6756 | 3.4891  | 1.00000 |
| 400  | 3.1455  | -2.6657 | 1.0000 | 30.6860 | 3.4952  | 1.00000 |
| 500  | 3.2440  | -2.7626 | 1.0000 | 31.4797 | 3.5074  | 1.00000 |
| 600  | 3.3256  | -2.8417 | 1.0000 | 32.1400 | 3.5270  | 1.00000 |
| 700  | 3.3955  | -2.9087 | 1.0000 | 32.7110 | 3.5516  | 1.00000 |
| 800  | 3.4572  | -2.9667 | 1.0000 | 33.2154 | 3.5817  | 1.00000 |
| 900  | 3.5121  | -3.0178 | 1.0000 | 33.6720 | 3.6129  | 1.00000 |
| 1000 | 3.5619  | -3.0636 | 1.0000 | 34.0866 | 3.6467  | 1.00000 |
| 1100 | 3.6071  | -3.1050 | 1.0000 | 34.4690 | 3.6791  | 1.00000 |
| 1200 | 3.6488  | -3.1428 | 1.0000 | 34.8251 | 3.7122  | 1.00000 |
| 1300 | 3.6874  | -3.1775 | 1.0000 | 35.1563 | 3.7452  | 1.00000 |
| 1400 | 3.7234  | -3.2097 | 1.0000 | 35.4664 | 3.7779  | 1.00000 |
| 1500 | 3.7571  | -3.2376 | 1.0000 | 35.7158 | 3.8106  | 1.00000 |
| 1500 | 3.7570  | -3.2400 | 1.0000 | 35.7622 | 3.8102  | 1.00002 |
| 1600 | 3.7889  | -3.2680 | 1.0001 | 36.0427 | 3.8441  | 1.00006 |
| 1700 | 3.8193  | -3.2944 | 1.0002 | 36.3127 | 3.8802  | 1.00018 |
| 1800 | 3.8487  | -3.3193 | 1.0005 | 36.5773 | 3.9215  | 1.00049 |
| 1900 | 3.8781  | -3.3431 | 1.0012 | 36.8441 | 3.9750  | 1.00120 |
| 2000 | 3.9085  | -3.3660 | 1.0027 | 37.1243 | 4.0497  | 1.00266 |
| 2100 | 3.9412  | -3.3885 | 1.0055 | 37.4341 | 4.1591  | 1.00550 |
| 2200 | 3.9783  | -3.4108 | 1.0106 | 37.7953 | 4.3239  | 1.01055 |
| 2300 | 4.0211  | -3.4337 | 1.0190 | 38.2335 | 4.5645  | 1.01895 |
| 2400 | 4.0708  | -3.4577 | 1.0320 | 38.7746 | 4.9044  | 1.03196 |
| 2500 | 4.1268  | -3.4832 | 1.0506 | 39.4344 | 5.3557  | 1.05059 |
| 2600 | 4.1862  | -3.5102 | 1.0750 | 40.2049 | 5.9056  | 1.07496 |
| 2700 | 4.2444  | -3.5379 | 1.1033 | 41.0352 | 6.5014  | 1.10327 |
| 2800 | 4.2959  | -3.5648 | 1.1319 | 41.8391 | 7.0589  | 1.13189 |
| 2900 | 4.3369  | -3.5894 | 1.1566 | 42.5269 | 7.4911  | 1.15659 |
| 3000 | 4.3672  | -3.6110 | 1.1750 | 43.0583 | 7.7632  | 1.17496 |
| 3100 | 4.3888  | -3.6297 | 1.1872 | 43.4487 | 7.8970  | 1.18720 |
| 3200 | 4.4049  | -3.6464 | 1.1950 | 43.7413 | 7.9377  | 1.19497 |
| 3300 | 4.4176  | -3.6615 | 1.1999 | 43.9748 | 7.9271  | 1.19994 |
| 3400 | 4.4287  | -3.6757 | 1.2033 | 44.1765 | 7.8930  | 1.20332 |
| 3500 | 4.4390  | -3.6893 | 1.2060 | 44.3637 | 7.8517  | 1.20595 |
| 3600 | 4.4493  | -3.7023 | 1.2083 | 44.5484 | 7.8158  | 1.20832 |
| 3700 | 4.4599  | -3.7152 | 1.2109 | 44.7394 | 7.7926  | 1.21086 |
| 3800 | 4.4714  | -3.7278 | 1.2139 | 44.9452 | 7.7912  | 1.21389 |
| 3900 | 4.4841  | -3.7405 | 1.2178 | 45.1740 | 7.8173  | 1.21776 |
| 4000 | 4.4986  | -3.7533 | 1.2229 | 45.4350 | 7.8793  | 1.22286 |
| 4100 | 4.5152  | -3.7664 | 1.2296 | 45.7391 | 7.9876  | 1.22960 |
| 4200 | 4.5345  | -3.7800 | 1.2385 | 46.0978 | 8.1519  | 1.23852 |
| 4300 | 4.5570  | -3.7943 | 1.2502 | 46.5253 | 8.3854  | 1.25019 |
| 4400 | 4.5829  | -3.8095 | 1.2653 | 47.0349 | 8.6986  | 1.26525 |
| 4500 | 4.6127  | -3.8258 | 1.2845 | 47.6440 | 9.1082  | 1.28447 |
| 4600 | 4.6462  | -3.8434 | 1.3086 | 48.3664 | 9.6247  | 1.30856 |
| 4700 | 4.6833  | -3.8625 | 1.3383 | 49.2168 | 10.2614 | 1.33828 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 4800  | 4.7237 | -3.8832 | 1.3743 | 50.2064 | 11.0272 | 1.37431 |
| 4900  | 4.7666 | -3.9054 | 1.4170 | 51.3390 | 11.9236 | 1.41698 |
| 5000  | 4.8112 | -3.9291 | 1.4664 | 52.6153 | 12.9495 | 1.46637 |
| 5100  | 4.8556 | -3.9537 | 1.5213 | 53.9940 | 14.0608 | 1.52133 |
| 5200  | 4.8986 | -3.9787 | 1.5805 | 55.4450 | 15.2279 | 1.58051 |
| 5300  | 4.9390 | -4.0034 | 1.6416 | 56.9148 | 16.3970 | 1.64161 |
| 5400  | 4.9755 | -4.0271 | 1.7016 | 58.3365 | 17.5018 | 1.70159 |
| 5500  | 5.0072 | -4.0492 | 1.7577 | 59.6512 | 18.4865 | 1.75769 |
| 5600  | 5.0338 | -4.0691 | 1.8073 | 60.8079 | 19.3027 | 1.80730 |
| 5700  | 5.0556 | -4.0868 | 1.8494 | 61.7906 | 19.9378 | 1.84940 |
| 5800  | 5.0729 | -4.1023 | 1.8837 | 62.5976 | 20.3938 | 1.88366 |
| 5900  | 5.0867 | -4.1159 | 1.9108 | 63.2487 | 20.6931 | 1.91075 |
| 6000  | 5.0975 | -4.1279 | 1.9316 | 63.7672 | 20.8617 | 1.93162 |
| 6100  | 5.1061 | -4.1387 | 1.9476 | 64.1827 | 20.9316 | 1.94755 |
| 6200  | 5.1131 | -4.1484 | 1.9597 | 64.5205 | 20.9290 | 1.95969 |
| 6300  | 5.1190 | -4.1574 | 1.9690 | 64.8016 | 20.8756 | 1.96898 |
| 6400  | 5.1240 | -4.1659 | 1.9762 | 65.0424 | 20.7882 | 1.97623 |
| 6500  | 5.1285 | -4.1739 | 1.9821 | 65.2561 | 20.6804 | 1.98206 |
| 6600  | 5.1326 | -4.1816 | 1.9869 | 65.4520 | 20.5615 | 1.98693 |
| 6700  | 5.1365 | -4.1890 | 1.9912 | 65.6372 | 20.4383 | 1.99117 |
| 6800  | 5.1404 | -4.1963 | 1.9951 | 65.8174 | 20.3168 | 1.99509 |
| 6900  | 5.1442 | -4.2035 | 1.9989 | 65.9971 | 20.2006 | 1.99887 |
| 7000  | 5.1482 | -4.2106 | 2.0027 | 66.1796 | 20.0933 | 2.00273 |
| 7100  | 5.1522 | -4.2176 | 2.0068 | 66.3679 | 19.9973 | 2.00679 |
| 7200  | 5.1565 | -4.2246 | 2.0112 | 66.5647 | 19.9150 | 2.01118 |
| 7300  | 5.1611 | -4.2317 | 2.0160 | 66.7725 | 19.8485 | 2.01603 |
| 7400  | 5.1659 | -4.2387 | 2.0214 | 66.9934 | 19.7998 | 2.02145 |
| 7500  | 5.1711 | -4.2459 | 2.0275 | 67.2297 | 19.7705 | 2.02755 |
| 7600  | 5.1767 | -4.2531 | 2.0344 | 67.4836 | 19.7627 | 2.03445 |
| 7700  | 5.1827 | -4.2604 | 2.0422 | 67.7572 | 19.7779 | 2.04224 |
| 7800  | 5.1892 | -4.2679 | 2.0510 | 68.0529 | 19.8181 | 2.05107 |
| 7900  | 5.1962 | -4.2755 | 2.0609 | 68.3729 | 19.8853 | 2.06104 |
| 8000  | 5.2037 | -4.2834 | 2.0722 | 68.7197 | 19.9814 | 2.07229 |
| 8100  | 5.2119 | -4.2914 | 2.0848 | 69.0956 | 20.1083 | 2.08494 |
| 8200  | 5.2206 | -4.2997 | 2.0989 | 69.5033 | 20.2684 | 2.09913 |
| 8300  | 5.2301 | -4.3082 | 2.1148 | 69.9452 | 20.4635 | 2.11503 |
| 8400  | 5.2402 | -4.3170 | 2.1325 | 70.4241 | 20.6960 | 2.13277 |
| 8500  | 5.2510 | -4.3262 | 2.1522 | 70.9425 | 20.9679 | 2.15249 |
| 8600  | 5.2625 | -4.3356 | 2.1740 | 71.5028 | 21.2813 | 2.17437 |
| 8700  | 5.2747 | -4.3454 | 2.1981 | 72.1079 | 21.6384 | 2.19855 |
| 8800  | 5.2877 | -4.3556 | 2.2247 | 72.7603 | 22.0412 | 2.22522 |
| 8900  | 5.3014 | -4.3662 | 2.2539 | 73.4619 | 22.4912 | 2.25449 |
| 9000  | 5.3158 | -4.3771 | 2.2858 | 74.2149 | 22.9902 | 2.28652 |
| 9100  | 5.3308 | -4.3885 | 2.3207 | 75.0215 | 23.5398 | 2.32147 |
| 9200  | 5.3465 | -4.4003 | 2.3585 | 75.8822 | 24.1399 | 2.35940 |
| 9300  | 5.3628 | -4.4124 | 2.3994 | 76.7981 | 24.7914 | 2.40043 |
| 9400  | 5.3796 | -4.4250 | 2.4434 | 77.7696 | 25.4942 | 2.44462 |
| 9500  | 5.3968 | -4.4379 | 2.4906 | 78.7952 | 26.2460 | 2.49194 |
| 9600  | 5.4144 | -4.4511 | 2.5409 | 79.8738 | 27.0456 | 2.54240 |
| 9700  | 5.4322 | -4.4646 | 2.5942 | 81.0022 | 27.8893 | 2.59587 |
| 9800  | 5.4502 | -4.4784 | 2.6503 | 82.1762 | 28.7727 | 2.65219 |
| 9900  | 5.4683 | -4.4923 | 2.7091 | 83.3911 | 29.6909 | 2.71115 |
| 10000 | 5.4863 | -4.5064 | 2.7702 | 84.6404 | 30.6369 | 2.77243 |
| 10100 | 5.5040 | -4.5204 | 2.8331 | 85.9149 | 31.6016 | 2.83560 |
| 10200 | 5.5215 | -4.5345 | 2.8976 | 87.2075 | 32.5779 | 2.90028 |
| 10300 | 5.5386 | -4.5484 | 2.9630 | 88.5061 | 33.5541 | 2.96585 |
| 10400 | 5.5551 | -4.5622 | 3.0288 | 89.8027 | 34.5218 | 3.03186 |
| 10500 | 5.5710 | -4.5756 | 3.0943 | 91.0848 | 35.4691 | 3.09763 |
| 10600 | 5.5863 | -4.5887 | 3.1591 | 92.3427 | 36.3868 | 3.16261 |
| 10700 | 5.6007 | -4.6014 | 3.2226 | 93.5667 | 37.2651 | 3.22623 |
| 10800 | 5.6143 | -4.6137 | 3.2841 | 94.7473 | 38.0950 | 3.28791 |
| 10900 | 5.6270 | -4.6254 | 3.3431 | 95.8761 | 38.8691 | 3.34714 |
| 11000 | 5.6389 | -4.6367 | 3.3994 | 96.9475 | 39.5823 | 3.40356 |
| 11100 | 5.6499 | -4.6473 | 3.4526 | 97.9575 | 40.2311 | 3.45688 |
| 11200 | 5.6600 | -4.6574 | 3.5024 | 98.9023 | 40.8126 | 3.50681 |
| 11300 | 5.6693 | -4.6670 | 3.5488 | 99.7807 | 41.3261 | 3.55324 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 11400 | 5.6778 | -4.6761 | 3.5916 | 100.5932 | 41.7726 | 3.59613 |
| 11500 | 5.6855 | -4.6846 | 3.6309 | 101.3408 | 42.1539 | 3.63553 |
| 11600 | 5.6926 | -4.6926 | 3.6668 | 102.0271 | 42.4738 | 3.67145 |
| 11700 | 5.6990 | -4.7002 | 3.6994 | 102.6542 | 42.7350 | 3.70410 |
| 11800 | 5.7048 | -4.7073 | 3.7289 | 103.2250 | 42.9413 | 3.73359 |
| 11900 | 5.7100 | -4.7141 | 3.7555 | 103.7449 | 43.0982 | 3.76017 |
| 12000 | 5.7148 | -4.7205 | 3.7793 | 104.2180 | 43.2100 | 3.78405 |
| 12100 | 5.7191 | -4.7265 | 3.8007 | 104.6473 | 43.2803 | 3.80539 |
| 12200 | 5.7230 | -4.7323 | 3.8198 | 105.0379 | 43.3145 | 3.82448 |
| 12300 | 5.7266 | -4.7377 | 3.8368 | 105.3932 | 43.3162 | 3.84149 |
| 12400 | 5.7298 | -4.7430 | 3.8520 | 105.7169 | 43.2892 | 3.85663 |
| 12500 | 5.7328 | -4.7480 | 3.8655 | 106.0127 | 43.2374 | 3.87010 |
| 12600 | 5.7355 | -4.7528 | 3.8775 | 106.2833 | 43.1638 | 3.88207 |
| 12700 | 5.7380 | -4.7574 | 3.8882 | 106.5319 | 43.0714 | 3.89271 |
| 12800 | 5.7403 | -4.7619 | 3.8977 | 106.7606 | 42.9627 | 3.90215 |
| 12900 | 5.7424 | -4.7662 | 3.9061 | 106.9719 | 42.8402 | 3.91054 |
| 13000 | 5.7444 | -4.7704 | 3.9136 | 107.1678 | 42.7057 | 3.91798 |
| 13100 | 5.7463 | -4.7744 | 3.9203 | 107.3500 | 42.5613 | 3.92461 |
| 13200 | 5.7480 | -4.7784 | 3.9262 | 107.5203 | 42.4085 | 3.93049 |
| 13300 | 5.7497 | -4.7823 | 3.9315 | 107.6800 | 42.2486 | 3.93573 |
| 13400 | 5.7512 | -4.7860 | 3.9362 | 107.8303 | 42.0831 | 3.94039 |
| 13500 | 5.7527 | -4.7897 | 3.9404 | 107.9724 | 41.9129 | 3.94455 |
| 13600 | 5.7541 | -4.7934 | 3.9442 | 108.1072 | 41.7389 | 3.94827 |
| 13700 | 5.7554 | -4.7969 | 3.9475 | 108.2353 | 41.5621 | 3.95158 |
| 13800 | 5.7567 | -4.8004 | 3.9506 | 108.3579 | 41.3830 | 3.95455 |
| 13900 | 5.7579 | -4.8038 | 3.9533 | 108.4753 | 41.2022 | 3.95722 |
| 14000 | 5.7593 | -4.8072 | 3.9557 | 108.6079 | 41.0402 | 3.95961 |
| 14100 | 5.7603 | -4.8105 | 3.9579 | 108.6973 | 40.8383 | 3.96177 |
| 14200 | 5.7614 | -4.8138 | 3.9599 | 108.8030 | 40.6559 | 3.96372 |
| 14300 | 5.7625 | -4.8171 | 3.9617 | 108.9053 | 40.4736 | 3.96548 |
| 14400 | 5.7636 | -4.8203 | 3.9634 | 109.0053 | 40.2921 | 3.96708 |
| 14500 | 5.7646 | -4.8235 | 3.9649 | 109.1027 | 40.1112 | 3.96854 |
| 14600 | 5.7657 | -4.8266 | 3.9663 | 109.1979 | 39.9316 | 3.96989 |
| 14700 | 5.7667 | -4.8297 | 3.9676 | 109.2916 | 39.7532 | 3.97113 |
| 14800 | 5.7677 | -4.8328 | 3.9688 | 109.3838 | 39.5764 | 3.97229 |
| 14900 | 5.7687 | -4.8358 | 3.9699 | 109.4746 | 39.4015 | 3.97336 |
| 15000 | 5.7697 | -4.8388 | 3.9710 | 109.5645 | 39.2284 | 3.97439 |

LOG P=-2.4

| Y    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5417  | -1.9636 | 1.0000 | 25.6093 | 3.4806 | 1.00000 |
| 200  | 2.8434  | -2.2646 | 1.0000 | 28.0286 | 3.4862 | 1.00000 |
| 300  | 3.0198  | -2.4407 | 1.0000 | 29.4457 | 3.4891 | 1.00000 |
| 400  | 3.1455  | -2.5657 | 1.0000 | 30.4559 | 3.4952 | 1.00000 |
| 500  | 3.2440  | -2.6626 | 1.0000 | 31.2492 | 3.5074 | 1.00000 |
| 600  | 3.3256  | -2.7417 | 1.0000 | 31.9097 | 3.5270 | 1.00000 |
| 700  | 3.3955  | -2.8087 | 1.0000 | 32.4810 | 3.5516 | 1.00000 |
| 800  | 3.4572  | -2.8667 | 1.0000 | 32.9854 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -2.9178 | 1.0000 | 33.4416 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -2.9636 | 1.0000 | 33.8563 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -3.0050 | 1.0000 | 34.2385 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -3.0428 | 1.0000 | 34.5946 | 3.7122 | 1.00000 |
| 1300 | 3.6874  | -3.0775 | 1.0000 | 34.9258 | 3.7452 | 1.00000 |
| 1400 | 3.7234  | -3.1097 | 1.0000 | 35.2364 | 3.7779 | 1.00000 |
| 1500 | 3.7571  | -3.1402 | 1.0000 | 35.4913 | 3.8106 | 1.00000 |
| 1500 | 3.7570  | -3.1400 | 1.0000 | 35.5318 | 3.8101 | 1.00002 |
| 1600 | 3.7889  | -3.1680 | 1.0001 | 35.8122 | 3.8438 | 1.00005 |
| 1700 | 3.8192  | -3.1944 | 1.0002 | 36.0817 | 3.8795 | 1.00016 |
| 1800 | 3.8485  | -3.2193 | 1.0004 | 36.3452 | 3.9197 | 1.00044 |
| 1900 | 3.8776  | -3.2431 | 1.0011 | 36.6094 | 3.9708 | 1.00106 |
| 2000 | 3.9075  | -3.2659 | 1.0024 | 36.8846 | 4.0408 | 1.00237 |
| 2100 | 3.9394  | -3.2882 | 1.0049 | 37.1854 | 4.1418 | 1.00490 |
| 2200 | 3.9751  | -3.3104 | 1.0094 | 37.5314 | 4.2926 | 1.00942 |

|      |        |         |        |         |         |         |
|------|--------|---------|--------|---------|---------|---------|
| 2300 | 4.0161 | -3.3329 | 1.0170 | 37.9464 | 4.5118  | 1.01696 |
| 2400 | 4.0634 | -3.3564 | 1.0287 | 38.4546 | 4.8217  | 1.02871 |
| 2500 | 4.1170 | -3.3812 | 1.0457 | 39.0738 | 5.2364  | 1.04570 |
| 2600 | 4.1746 | -3.4075 | 1.0683 | 39.8025 | 5.7500  | 1.06829 |
| 2700 | 4.2322 | -3.4347 | 1.0953 | 40.6029 | 6.3222  | 1.09527 |
| 2800 | 4.2848 | -3.4616 | 1.1236 | 41.4020 | 6.8815  | 1.12363 |
| 2900 | 4.3282 | -3.4867 | 1.1493 | 42.1114 | 7.3412  | 1.14930 |
| 3000 | 4.3609 | -3.5089 | 1.1693 | 42.6779 | 7.6528  | 1.16933 |
| 3100 | 4.3847 | -3.5283 | 1.1832 | 43.1013 | 7.8225  | 1.18322 |
| 3200 | 4.4022 | -3.5454 | 1.1922 | 43.4177 | 7.8889  | 1.19224 |
| 3300 | 4.4158 | -3.5608 | 1.1980 | 43.6658 | 7.8942  | 1.19804 |
| 3400 | 4.4274 | -3.5752 | 1.2019 | 43.8754 | 7.8689  | 1.20193 |
| 3500 | 4.4379 | -3.5888 | 1.2048 | 44.0659 | 7.8314  | 1.20482 |
| 3600 | 4.4482 | -3.6020 | 1.2073 | 44.2502 | 7.7958  | 1.20731 |
| 3700 | 4.4586 | -3.6148 | 1.2098 | 44.4379 | 7.7698  | 1.20962 |
| 3800 | 4.4698 | -3.6274 | 1.2127 | 44.6372 | 7.7625  | 1.21270 |
| 3900 | 4.4820 | -3.6400 | 1.2163 | 44.8557 | 7.7793  | 1.21629 |
| 4000 | 4.4957 | -3.6526 | 1.2209 | 45.1024 | 7.8280  | 1.22092 |
| 4100 | 4.5114 | -3.6655 | 1.2270 | 45.3868 | 7.9182  | 1.22702 |
| 4200 | 4.5295 | -3.6788 | 1.2350 | 45.7196 | 8.0585  | 1.23503 |
| 4300 | 4.5505 | -3.6927 | 1.2455 | 46.1136 | 8.2612  | 1.24551 |
| 4400 | 4.5747 | -3.7073 | 1.2590 | 46.5810 | 8.5353  | 1.25901 |
| 4500 | 4.6025 | -3.7230 | 1.2763 | 47.1377 | 8.8968  | 1.27625 |
| 4600 | 4.6338 | -3.7399 | 1.2979 | 47.7969 | 9.3552  | 1.29790 |
| 4700 | 4.6688 | -3.7581 | 1.3247 | 48.5728 | 9.9239  | 1.32469 |
| 4800 | 4.7071 | -3.7778 | 1.3573 | 49.4777 | 10.6130 | 1.35731 |
| 4900 | 4.7481 | -3.7990 | 1.3962 | 50.5181 | 11.4265 | 1.39619 |
| 5000 | 4.7913 | -3.8217 | 1.4417 | 51.7004 | 12.3694 | 1.44165 |
| 5100 | 4.8349 | -3.8455 | 1.4929 | 52.9920 | 13.4058 | 1.49290 |
| 5200 | 4.8779 | -3.8699 | 1.5491 | 54.3734 | 14.5162 | 1.54907 |
| 5300 | 4.9190 | -3.8945 | 1.6083 | 55.8012 | 15.6570 | 1.60834 |
| 5400 | 4.9569 | -3.9185 | 1.6681 | 57.2164 | 16.7692 | 1.66807 |
| 5500 | 4.9907 | -3.9412 | 1.7256 | 58.5615 | 17.7975 | 1.72562 |
| 5600 | 5.0197 | -3.9620 | 1.7781 | 59.7788 | 18.6862 | 1.77813 |
| 5700 | 5.0439 | -3.9808 | 1.8241 | 60.8407 | 19.4107 | 1.82406 |
| 5800 | 5.0636 | -3.9974 | 1.8625 | 61.7323 | 19.9595 | 1.86247 |
| 5900 | 5.0793 | -4.0120 | 1.8936 | 62.4633 | 20.3455 | 1.89355 |
| 6000 | 5.0918 | -4.0248 | 1.9179 | 63.0510 | 20.5886 | 1.91793 |
| 6100 | 5.1017 | -4.0363 | 1.9368 | 63.5232 | 20.7192 | 1.93678 |
| 6200 | 5.1097 | -4.0466 | 1.9513 | 63.9051 | 20.7640 | 1.95126 |
| 6300 | 5.1163 | -4.0560 | 1.9624 | 64.2196 | 20.7463 | 1.96236 |
| 6400 | 5.1218 | -4.0647 | 1.9710 | 64.4846 | 20.6849 | 1.97095 |
| 6500 | 5.1267 | -4.0729 | 1.9778 | 64.7153 | 20.5956 | 1.97778 |
| 6600 | 5.1311 | -4.0808 | 1.9833 | 64.9224 | 20.4891 | 1.98334 |
| 6700 | 5.1351 | -4.0884 | 1.9880 | 65.1142 | 20.3735 | 1.98804 |
| 6800 | 5.1391 | -4.0957 | 1.9922 | 65.2973 | 20.2557 | 1.99224 |
| 6900 | 5.1429 | -4.1029 | 1.9961 | 65.4766 | 20.1401 | 1.99615 |
| 7000 | 5.1468 | -4.1100 | 2.0000 | 65.6563 | 20.0307 | 1.99999 |
| 7100 | 5.1508 | -4.1170 | 2.0039 | 65.8392 | 19.9303 | 2.00392 |
| 7200 | 5.1549 | -4.1240 | 2.0081 | 66.0283 | 19.8413 | 2.00808 |
| 7300 | 5.1592 | -4.1309 | 2.0126 | 66.2262 | 19.7660 | 2.01258 |
| 7400 | 5.1638 | -4.1379 | 2.0175 | 66.4351 | 19.7064 | 2.01756 |
| 7500 | 5.1687 | -4.1449 | 2.0231 | 66.6570 | 19.6641 | 2.02312 |
| 7600 | 5.1740 | -4.1520 | 2.0293 | 66.8941 | 19.6410 | 2.02935 |
| 7700 | 5.1796 | -4.1592 | 2.0363 | 67.1485 | 19.6387 | 2.03637 |
| 7800 | 5.1857 | -4.1665 | 2.0442 | 67.4222 | 19.6589 | 2.04431 |
| 7900 | 5.1922 | -4.1739 | 2.0531 | 67.7173 | 19.7033 | 2.05324 |
| 8000 | 5.1992 | -4.1815 | 2.0632 | 68.0363 | 19.7740 | 2.06331 |
| 8100 | 5.2067 | -4.1892 | 2.0745 | 68.3809 | 19.8725 | 2.07462 |
| 8200 | 5.2149 | -4.1972 | 2.0871 | 68.7539 | 20.0009 | 2.08732 |
| 8300 | 5.2236 | -4.2054 | 2.1013 | 69.1573 | 20.1609 | 2.10152 |
| 8400 | 5.2330 | -4.2139 | 2.1171 | 69.5938 | 20.3547 | 2.11738 |
| 8500 | 5.2430 | -4.2226 | 2.1347 | 70.0654 | 20.5843 | 2.13500 |
| 8600 | 5.2536 | -4.2316 | 2.1542 | 70.5747 | 20.8513 | 2.15456 |
| 8700 | 5.2650 | -4.2410 | 2.1758 | 71.1243 | 21.1582 | 2.17620 |
| 8800 | 5.2771 | -4.2507 | 2.1996 | 71.7164 | 21.5066 | 2.20008 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 8900  | 5.2898 | -4.2607 | 2.2257 | 72.3531  | 21.8982 | 2.22632 |
| 9000  | 5.3032 | -4.2711 | 2.2544 | 73.0367  | 22.3347 | 2.25506 |
| 9100  | 5.3173 | -4.2819 | 2.2857 | 73.7693  | 22.8179 | 2.28648 |
| 9200  | 5.3320 | -4.2931 | 2.3197 | 74.5518  | 23.3483 | 2.32064 |
| 9300  | 5.3474 | -4.3046 | 2.3566 | 75.3858  | 23.9268 | 2.35767 |
| 9400  | 5.3633 | -4.3166 | 2.3965 | 76.2721  | 24.5539 | 2.39767 |
| 9500  | 5.3796 | -4.3289 | 2.4393 | 77.2101  | 25.2285 | 2.44065 |
| 9600  | 5.3964 | -4.3415 | 2.4852 | 78.1997  | 25.9502 | 2.48665 |
| 9700  | 5.4136 | -4.3544 | 2.5340 | 79.2391  | 26.7167 | 2.53563 |
| 9800  | 5.4310 | -4.3677 | 2.5856 | 80.3254  | 27.5249 | 2.58748 |
| 9900  | 5.4485 | -4.3811 | 2.6401 | 81.4559  | 28.3717 | 2.64210 |
| 10000 | 5.4662 | -4.3947 | 2.6970 | 82.6255  | 29.2519 | 2.69926 |
| 10100 | 5.4837 | -4.4085 | 2.7562 | 83.8274  | 30.1583 | 2.75866 |
| 10200 | 5.5012 | -4.4223 | 2.8174 | 85.0568  | 31.0857 | 2.82003 |
| 10300 | 5.5183 | -4.4361 | 2.8800 | 86.3030  | 32.0239 | 2.88284 |
| 10400 | 5.5351 | -4.4498 | 2.9436 | 87.5592  | 32.9659 | 2.94673 |
| 10500 | 5.5514 | -4.4633 | 3.0078 | 88.8147  | 33.9012 | 3.01112 |
| 10600 | 5.5671 | -4.4766 | 3.0719 | 90.0599  | 34.8206 | 3.07547 |
| 10700 | 5.5822 | -4.4895 | 3.1355 | 91.2852  | 35.7146 | 3.13924 |
| 10800 | 5.5966 | -4.5021 | 3.1979 | 92.4813  | 36.5744 | 3.20187 |
| 10900 | 5.6102 | -4.5143 | 3.2587 | 93.6386  | 37.3911 | 3.26282 |
| 11000 | 5.6230 | -4.5260 | 3.3173 | 94.7505  | 38.1582 | 3.32164 |
| 11100 | 5.6349 | -4.5373 | 3.3735 | 95.8113  | 38.8705 | 3.37798 |
| 11200 | 5.6461 | -4.5480 | 3.4268 | 96.8150  | 39.5228 | 3.43142 |
| 11300 | 5.6564 | -4.5581 | 3.4770 | 97.7585  | 40.1126 | 3.48176 |
| 11400 | 5.6659 | -4.5678 | 3.5240 | 98.6404  | 40.6388 | 3.52883 |
| 11500 | 5.6746 | -4.5769 | 3.5677 | 99.4604  | 41.1018 | 3.57256 |
| 11600 | 5.6825 | -4.5856 | 3.6079 | 100.2181 | 41.5019 | 3.61289 |
| 11700 | 5.6898 | -4.5937 | 3.6449 | 100.9163 | 41.8423 | 3.64992 |
| 11800 | 5.6964 | -4.6014 | 3.6786 | 101.5562 | 42.1250 | 3.68368 |
| 11900 | 5.7025 | -4.6087 | 3.7093 | 102.1421 | 42.3544 | 3.71437 |
| 12000 | 5.7079 | -4.6156 | 3.7370 | 102.6775 | 42.5346 | 3.74217 |
| 12100 | 5.7129 | -4.6221 | 3.7621 | 103.1653 | 42.6689 | 3.76721 |
| 12200 | 5.7174 | -4.6282 | 3.7846 | 103.6102 | 42.7622 | 3.78975 |
| 12300 | 5.7215 | -4.6341 | 3.8048 | 104.0157 | 42.8184 | 3.80998 |
| 12400 | 5.7253 | -4.6397 | 3.8230 | 104.3852 | 42.8413 | 3.82808 |
| 12500 | 5.7287 | -4.6450 | 3.8392 | 104.7229 | 42.8348 | 3.84428 |
| 12600 | 5.7318 | -4.6501 | 3.8537 | 105.0315 | 42.8021 | 3.85873 |
| 12700 | 5.7347 | -4.6550 | 3.8666 | 105.3144 | 42.7469 | 3.87163 |
| 12800 | 5.7374 | -4.6597 | 3.8781 | 105.5740 | 42.6715 | 3.88312 |
| 12900 | 5.7398 | -4.6642 | 3.8884 | 105.8132 | 42.5789 | 3.89336 |
| 13000 | 5.7420 | -4.6686 | 3.8976 | 106.0340 | 42.4713 | 3.90249 |
| 13100 | 5.7441 | -4.6728 | 3.9058 | 106.2384 | 42.3509 | 3.91062 |
| 13200 | 5.7461 | -4.6770 | 3.9131 | 106.4287 | 42.2195 | 3.91787 |
| 13300 | 5.7479 | -4.6809 | 3.9196 | 106.6062 | 42.0790 | 3.92433 |
| 13400 | 5.7496 | -4.6848 | 3.9254 | 106.7724 | 41.9305 | 3.93009 |
| 13500 | 5.7513 | -4.6887 | 3.9306 | 106.9286 | 41.7754 | 3.93524 |
| 13600 | 5.7528 | -4.6924 | 3.9353 | 107.0761 | 41.6151 | 3.93984 |
| 13700 | 5.7543 | -4.6960 | 3.9394 | 107.2155 | 41.4503 | 3.94394 |
| 13800 | 5.7556 | -4.6996 | 3.9432 | 107.3481 | 41.2819 | 3.94763 |
| 13900 | 5.7570 | -4.7031 | 3.9465 | 107.4743 | 41.1108 | 3.95093 |
| 14000 | 5.7585 | -4.7065 | 3.9495 | 107.6147 | 40.9572 | 3.95389 |
| 14100 | 5.7595 | -4.7099 | 3.9523 | 107.7111 | 40.7628 | 3.95656 |
| 14200 | 5.7607 | -4.7133 | 3.9547 | 107.8229 | 40.5871 | 3.95897 |
| 14300 | 5.7618 | -4.7166 | 3.9569 | 107.9307 | 40.4108 | 3.96113 |
| 14400 | 5.7630 | -4.7198 | 3.9590 | 108.0354 | 40.2344 | 3.96310 |
| 14500 | 5.7641 | -4.7230 | 3.9608 | 108.1370 | 40.0581 | 3.96488 |
| 14600 | 5.7651 | -4.7262 | 3.9625 | 108.2358 | 39.8823 | 3.96652 |
| 14700 | 5.7662 | -4.7293 | 3.9640 | 108.3326 | 39.7074 | 3.96802 |
| 14800 | 5.7672 | -4.7324 | 3.9655 | 108.4274 | 39.5335 | 3.96939 |
| 14900 | 5.7683 | -4.7355 | 3.9668 | 108.5203 | 39.3609 | 3.97066 |
| 15000 | 5.7693 | -4.7385 | 3.9680 | 108.6119 | 39.1898 | 3.97186 |

LOG P=-2.3

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT    | Z*      |
|------|---------|---------|--------|---------|---------|---------|
| 100  | 2.5417  | -1.8636 | 1.0000 | 25.3793 | 3.4806  | 1.00000 |
| 200  | 2.8434  | -2.1646 | 1.0000 | 27.7985 | 3.4862  | 1.00000 |
| 300  | 3.0198  | -2.3407 | 1.0000 | 29.2153 | 3.4891  | 1.00000 |
| 400  | 3.1455  | -2.4657 | 1.0000 | 30.2253 | 3.4952  | 1.00000 |
| 500  | 3.2440  | -2.5626 | 1.0000 | 31.0189 | 3.5074  | 1.00000 |
| 600  | 3.3256  | -2.6417 | 1.0000 | 31.6792 | 3.5270  | 1.00000 |
| 700  | 3.3955  | -2.7087 | 1.0000 | 32.2506 | 3.5516  | 1.00000 |
| 800  | 3.4572  | -2.7667 | 1.0000 | 32.7552 | 3.5817  | 1.00000 |
| 900  | 3.5121  | -2.8178 | 1.0000 | 33.2111 | 3.6129  | 1.00000 |
| 1000 | 3.5619  | -2.8636 | 1.0000 | 33.6263 | 3.6467  | 1.00000 |
| 1100 | 3.6071  | -2.9050 | 1.0000 | 34.0085 | 3.6791  | 1.00000 |
| 1200 | 3.6488  | -2.9428 | 1.0000 | 34.3643 | 3.7122  | 1.00000 |
| 1300 | 3.6874  | -2.9775 | 1.0000 | 34.6952 | 3.7452  | 1.00000 |
| 1400 | 3.7234  | -3.0097 | 1.0000 | 35.0064 | 3.7779  | 1.00000 |
| 1500 | 3.7571  | -3.0400 | 1.0000 | 35.2896 | 3.8106  | 1.00000 |
| 1500 | 3.7570  | -3.0400 | 1.0000 | 35.3015 | 3.8100  | 1.00001 |
| 1600 | 3.7889  | -3.0680 | 1.0000 | 35.5817 | 3.8436  | 1.00004 |
| 1700 | 3.8192  | -3.0944 | 1.0001 | 35.8508 | 3.8789  | 1.00014 |
| 1800 | 3.8483  | -3.1193 | 1.0004 | 36.1132 | 3.9181  | 1.00039 |
| 1900 | 3.8772  | -3.1430 | 1.0010 | 36.3752 | 3.9671  | 1.00095 |
| 2000 | 3.9067  | -3.1658 | 1.0021 | 36.6460 | 4.0329  | 1.00212 |
| 2100 | 3.9378  | -3.1880 | 1.0044 | 36.9387 | 4.1265  | 1.00437 |
| 2200 | 3.9723  | -3.2099 | 1.0084 | 37.2711 | 4.2646  | 1.00841 |
| 2300 | 4.0115  | -3.2321 | 1.0152 | 37.6650 | 4.4643  | 1.01517 |
| 2400 | 4.0566  | -3.2551 | 1.0258 | 38.1433 | 4.7468  | 1.02576 |
| 2500 | 4.1078  | -3.2793 | 1.0412 | 38.7244 | 5.1272  | 1.04122 |
| 2600 | 4.1635  | -3.3050 | 1.0621 | 39.4119 | 5.6046  | 1.06207 |
| 2700 | 4.2202  | -3.3317 | 1.0876 | 40.1790 | 6.1496  | 1.08757 |
| 2800 | 4.2734  | -3.3584 | 1.1153 | 40.9657 | 6.7030  | 1.11533 |
| 2900 | 4.3187  | -3.3838 | 1.1416 | 41.6892 | 7.1827  | 1.14160 |
| 3000 | 4.3540  | -3.4066 | 1.1631 | 42.2873 | 7.5307  | 1.16313 |
| 3100 | 4.3800  | -3.4266 | 1.1787 | 42.7441 | 7.7373  | 1.17868 |
| 3200 | 4.3990  | -3.4442 | 1.1891 | 43.0866 | 7.8321  | 1.18907 |
| 3300 | 4.4137  | -3.4600 | 1.1958 | 43.3520 | 7.8560  | 1.19582 |
| 3400 | 4.4259  | -3.4746 | 1.2003 | 43.5715 | 7.8415  | 1.20032 |
| 3500 | 4.4367  | -3.4884 | 1.2036 | 43.7667 | 7.8094  | 1.20356 |
| 3600 | 4.4470  | -3.5016 | 1.2062 | 43.9519 | 7.7753  | 1.20623 |
| 3700 | 4.4574  | -3.5144 | 1.2088 | 44.1372 | 7.7475  | 1.20876 |
| 3800 | 4.4683  | -3.5270 | 1.2115 | 44.3310 | 7.7354  | 1.21153 |
| 3900 | 4.4801  | -3.5395 | 1.2149 | 44.5409 | 7.7443  | 1.21488 |
| 4000 | 4.4931  | -3.5520 | 1.2191 | 44.7749 | 7.7815  | 1.21913 |
| 4100 | 4.5080  | -3.5647 | 1.2247 | 45.0420 | 7.8556  | 1.22465 |
| 4200 | 4.5250  | -3.5777 | 1.2319 | 45.3518 | 7.9747  | 1.23187 |
| 4300 | 4.5446  | -3.5912 | 1.2413 | 45.7159 | 8.1497  | 1.24128 |
| 4400 | 4.5672  | -3.6054 | 1.2534 | 46.1454 | 8.3889  | 1.25339 |
| 4500 | 4.5931  | -3.6205 | 1.2689 | 46.6550 | 8.7070  | 1.26886 |
| 4600 | 4.6224  | -3.6366 | 1.2883 | 47.2568 | 9.1129  | 1.28831 |
| 4700 | 4.6553  | -3.6540 | 1.3124 | 47.9648 | 9.6196  | 1.31242 |
| 4800 | 4.6914  | -3.6728 | 1.3419 | 48.7915 | 10.2374 | 1.34188 |
| 4900 | 4.7305  | -3.6931 | 1.3772 | 49.7451 | 10.9728 | 1.37721 |
| 5000 | 4.7721  | -3.7148 | 1.4188 | 50.8360 | 11.8343 | 1.41883 |
| 5100 | 4.8145  | -3.7376 | 1.4663 | 52.0384 | 12.7929 | 1.46628 |
| 5200 | 4.8571  | -3.7614 | 1.5191 | 53.3415 | 13.8377 | 1.51906 |
| 5300 | 4.8985  | -3.7856 | 1.5758 | 54.7125 | 14.9352 | 1.57584 |
| 5400 | 4.9375  | -3.8096 | 1.6345 | 56.1018 | 16.0353 | 1.63446 |
| 5500 | 4.9730  | -3.8327 | 1.6925 | 57.4565 | 17.0862 | 1.69249 |
| 5600 | 5.0042  | -3.8543 | 1.7470 | 58.7162 | 18.0294 | 1.74703 |
| 5700 | 5.0308  | -3.8741 | 1.7962 | 59.8448 | 18.8316 | 1.79620 |
| 5800 | 5.0528  | -3.8918 | 1.8385 | 60.8159 | 19.4695 | 1.83852 |
| 5900 | 5.0707  | -3.9074 | 1.8737 | 61.6284 | 19.9446 | 1.87367 |
| 6000 | 5.0850  | -3.9212 | 1.9018 | 62.2908 | 20.2684 | 1.90183 |
| 6100 | 5.0964  | -3.9334 | 1.9240 | 62.8266 | 20.4674 | 1.92397 |
| 6200 | 5.1056  | -3.9443 | 1.9411 | 63.2600 | 20.5670 | 1.94114 |
| 6300 | 5.1130  | -3.9542 | 1.9544 | 63.6143 | 20.5920 | 1.95439 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 6400  | 5.1193 | -3.9633 | 1.9646 | 63.9090  | 20.5625 | 1.96462 |
| 6500  | 5.1246 | -3.9718 | 1.9727 | 64.1614  | 20.4965 | 1.97269 |
| 6600  | 5.1293 | -3.9799 | 1.9791 | 64.3836  | 20.4064 | 1.97914 |
| 6700  | 5.1336 | -3.9876 | 1.9845 | 64.5851  | 20.3018 | 1.98448 |
| 6800  | 5.1377 | -3.9950 | 1.9891 | 64.7737  | 20.1905 | 1.98909 |
| 6900  | 5.1416 | -4.0023 | 1.9932 | 64.9550  | 20.0779 | 1.99324 |
| 7000  | 5.1454 | -4.0094 | 1.9972 | 65.1339  | 19.9685 | 1.99717 |
| 7100  | 5.1494 | -4.0164 | 2.0010 | 65.3133  | 19.8655 | 2.00106 |
| 7200  | 5.1534 | -4.0233 | 2.0051 | 65.4967  | 19.7717 | 2.00507 |
| 7300  | 5.1576 | -4.0302 | 2.0093 | 65.6866  | 19.6894 | 2.00932 |
| 7400  | 5.1620 | -4.0371 | 2.0139 | 65.8853  | 19.6208 | 2.01394 |
| 7500  | 5.1666 | -4.0441 | 2.0190 | 66.0948  | 19.5673 | 2.01904 |
| 7600  | 5.1715 | -4.0510 | 2.0247 | 66.3174  | 19.5309 | 2.02471 |
| 7700  | 5.1768 | -4.0581 | 2.0310 | 66.5549  | 19.5133 | 2.03106 |
| 7800  | 5.1825 | -4.0652 | 2.0381 | 66.8092  | 19.5158 | 2.03821 |
| 7900  | 5.1886 | -4.0724 | 2.0461 | 67.0823  | 19.5402 | 2.04623 |
| 8000  | 5.1951 | -4.0798 | 2.0551 | 67.3765  | 19.5883 | 2.05525 |
| 8100  | 5.2021 | -4.0873 | 2.0652 | 67.6933  | 19.6614 | 2.06538 |
| 8200  | 5.2096 | -4.0950 | 2.0766 | 68.0353  | 19.7616 | 2.07673 |
| 8300  | 5.2177 | -4.1029 | 2.0892 | 68.4043  | 19.8904 | 2.08943 |
| 8400  | 5.2264 | -4.1111 | 2.1034 | 68.8028  | 20.0498 | 2.10360 |
| 8500  | 5.2357 | -4.1194 | 2.1191 | 69.2327  | 20.2413 | 2.11936 |
| 8600  | 5.2456 | -4.1281 | 2.1365 | 69.6963  | 20.4670 | 2.13685 |
| 8700  | 5.2561 | -4.1370 | 2.1558 | 70.1960  | 20.7286 | 2.15620 |
| 8800  | 5.2673 | -4.1462 | 2.1771 | 70.7340  | 21.0280 | 2.17757 |
| 8900  | 5.2791 | -4.1558 | 2.2005 | 71.3121  | 21.3667 | 2.20106 |
| 9000  | 5.2916 | -4.1657 | 2.2262 | 71.9327  | 21.7464 | 2.22683 |
| 9100  | 5.3048 | -4.1759 | 2.2543 | 72.5979  | 22.1691 | 2.25503 |
| 9200  | 5.3186 | -4.1865 | 2.2849 | 73.3089  | 22.6352 | 2.28573 |
| 9300  | 5.3330 | -4.1975 | 2.3181 | 74.0671  | 23.1460 | 2.31908 |
| 9400  | 5.3479 | -4.2088 | 2.3541 | 74.8742  | 23.7026 | 2.35519 |
| 9500  | 5.3634 | -4.2205 | 2.3928 | 75.7299  | 24.3044 | 2.39409 |
| 9600  | 5.3794 | -4.2325 | 2.4344 | 76.6351  | 24.9518 | 2.43585 |
| 9700  | 5.3958 | -4.2449 | 2.4789 | 77.5887  | 25.6433 | 2.48049 |
| 9800  | 5.4125 | -4.2576 | 2.5262 | 78.5892  | 26.3771 | 2.52798 |
| 9900  | 5.4294 | -4.2705 | 2.5763 | 79.6349  | 27.1510 | 2.57824 |
| 10000 | 5.4466 | -4.2836 | 2.6290 | 80.7226  | 27.9616 | 2.63116 |
| 10100 | 5.4638 | -4.2970 | 2.6841 | 81.8468  | 28.8035 | 2.68650 |
| 10200 | 5.4810 | -4.3104 | 2.7415 | 83.0043  | 29.6728 | 2.74409 |
| 10300 | 5.4980 | -4.3240 | 2.8007 | 84.1865  | 30.5613 | 2.80352 |
| 10400 | 5.5148 | -4.3375 | 2.8614 | 85.3883  | 31.4636 | 2.86452 |
| 10500 | 5.5313 | -4.3509 | 2.9233 | 86.6008  | 32.3704 | 2.92663 |
| 10600 | 5.5474 | -4.3642 | 2.9858 | 87.8154  | 33.2739 | 2.98937 |
| 10700 | 5.5630 | -4.3773 | 3.0485 | 89.0232  | 34.1652 | 3.05224 |
| 10800 | 5.5779 | -4.3901 | 3.1107 | 90.2156  | 35.0358 | 3.11475 |
| 10900 | 5.5922 | -4.4026 | 3.1721 | 91.3827  | 35.8763 | 3.17634 |
| 11000 | 5.6058 | -4.4147 | 3.2321 | 92.5171  | 36.6793 | 3.23653 |
| 11100 | 5.6186 | -4.4264 | 3.2903 | 93.6120  | 37.4386 | 3.29492 |
| 11200 | 5.6307 | -4.4376 | 3.3462 | 94.6599  | 38.1477 | 3.35103 |
| 11300 | 5.6419 | -4.4484 | 3.3996 | 95.6562  | 38.8020 | 3.40434 |
| 11400 | 5.6524 | -4.4586 | 3.4501 | 96.5974  | 39.3988 | 3.45520 |
| 11500 | 5.6621 | -4.4683 | 3.4976 | 97.4817  | 39.9365 | 3.50234 |
| 11600 | 5.6710 | -4.4776 | 3.5420 | 98.3065  | 40.4137 | 3.54728 |
| 11700 | 5.6792 | -4.4863 | 3.5832 | 99.0735  | 40.8321 | 3.58855 |
| 11800 | 5.6867 | -4.4946 | 3.6211 | 99.7823  | 41.1921 | 3.62658 |
| 11900 | 5.6936 | -4.5024 | 3.6560 | 100.4363 | 41.4971 | 3.66152 |
| 12000 | 5.6998 | -4.5098 | 3.6879 | 101.0375 | 41.7499 | 3.69345 |
| 12100 | 5.7056 | -4.5168 | 3.7169 | 101.5880 | 41.9531 | 3.72246 |
| 12200 | 5.7108 | -4.5235 | 3.7432 | 102.0923 | 42.1115 | 3.74879 |
| 12300 | 5.7155 | -4.5298 | 3.7670 | 102.5533 | 42.2281 | 3.77257 |
| 12400 | 5.7198 | -4.5357 | 3.7884 | 102.9744 | 42.3070 | 3.79401 |
| 12500 | 5.7238 | -4.5414 | 3.8077 | 103.3596 | 42.3520 | 3.81329 |
| 12600 | 5.7274 | -4.5469 | 3.8250 | 103.7116 | 42.3665 | 3.83059 |
| 12700 | 5.7307 | -4.5521 | 3.8406 | 104.0343 | 42.3542 | 3.84610 |
| 12800 | 5.7337 | -4.5570 | 3.8545 | 104.3299 | 42.3178 | 3.85999 |
| 12900 | 5.7365 | -4.5618 | 3.8670 | 104.6018 | 42.2605 | 3.87242 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 13000 | 5.7391 | -4.5664 | 3.8781 | 104.8521 | 42.1846 | 3.88353 |
| 13100 | 5.7415 | -4.5709 | 3.8881 | 105.0830 | 42.0928 | 3.89345 |
| 13200 | 5.7437 | -4.5752 | 3.8970 | 105.2971 | 41.9871 | 3.90233 |
| 13300 | 5.7458 | -4.5793 | 3.9050 | 105.4960 | 41.8695 | 3.91025 |
| 13400 | 5.7477 | -4.5834 | 3.9121 | 105.6814 | 41.7418 | 3.91734 |
| 13500 | 5.7495 | -4.5873 | 3.9185 | 105.8548 | 41.6053 | 3.92369 |
| 13600 | 5.7512 | -4.5912 | 3.9243 | 106.0177 | 41.4615 | 3.92936 |
| 13700 | 5.7528 | -4.5949 | 3.9294 | 106.1708 | 41.3115 | 3.93443 |
| 13800 | 5.7543 | -4.5986 | 3.9340 | 106.3156 | 41.1564 | 3.93899 |
| 13900 | 5.7558 | -4.6022 | 3.9382 | 106.4529 | 40.9971 | 3.94308 |
| 14000 | 5.7574 | -4.6057 | 3.9419 | 106.6030 | 40.8540 | 3.94675 |
| 14100 | 5.7585 | -4.6092 | 3.9452 | 106.7083 | 40.6692 | 3.95005 |
| 14200 | 5.7598 | -4.6126 | 3.9483 | 106.8278 | 40.5019 | 3.95303 |
| 14300 | 5.7610 | -4.6159 | 3.9510 | 106.9425 | 40.3330 | 3.95572 |
| 14400 | 5.7622 | -4.6192 | 3.9535 | 107.0534 | 40.1633 | 3.95814 |
| 14500 | 5.7634 | -4.6225 | 3.9558 | 107.1604 | 39.9929 | 3.96035 |
| 14600 | 5.7645 | -4.6257 | 3.9578 | 107.2640 | 39.8224 | 3.96235 |
| 14700 | 5.7656 | -4.6288 | 3.9597 | 107.3649 | 39.6520 | 3.96417 |
| 14800 | 5.7667 | -4.6320 | 3.9614 | 107.4634 | 39.4821 | 3.96585 |
| 14900 | 5.7677 | -4.6351 | 3.9630 | 107.5593 | 39.3128 | 3.96738 |
| 15000 | 5.7688 | -4.6381 | 3.9645 | 107.6536 | 39.1447 | 3.96879 |

## LOG P=-2.2

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5417  | -1.7636 | 1.0000 | 25.1491 | 3.4806 | 1.00000 |
| 200  | 2.8434  | -2.0646 | 1.0000 | 27.5680 | 3.4862 | 1.00000 |
| 300  | 3.0198  | -2.2407 | 1.0000 | 28.9848 | 3.4891 | 1.00000 |
| 400  | 3.1455  | -2.3656 | 1.0000 | 29.9950 | 3.4952 | 1.00000 |
| 500  | 3.2440  | -2.4626 | 1.0000 | 30.7889 | 3.5074 | 1.00000 |
| 600  | 3.3256  | -2.5417 | 1.0000 | 31.4490 | 3.5270 | 1.00000 |
| 700  | 3.3955  | -2.6087 | 1.0000 | 32.0200 | 3.5516 | 1.00000 |
| 800  | 3.4572  | -2.6667 | 1.0000 | 32.5247 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -2.7178 | 1.0000 | 32.9810 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -2.7636 | 1.0000 | 33.3961 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -2.8050 | 1.0000 | 33.7785 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -2.8428 | 1.0000 | 34.1343 | 3.7122 | 1.00000 |
| 1300 | 3.6874  | -2.8775 | 1.0000 | 34.4646 | 3.7452 | 1.00000 |
| 1400 | 3.7234  | -2.9097 | 1.0000 | 34.7759 | 3.7779 | 1.00000 |
| 1500 | 3.7571  | -2.9397 | 1.0000 | 35.0734 | 3.8106 | 1.00000 |
| 1500 | 3.7570  | -2.9400 | 1.0000 | 35.0712 | 3.8100 | 1.00001 |
| 1600 | 3.7888  | -2.9680 | 1.0000 | 35.3512 | 3.8434 | 1.00004 |
| 1700 | 3.8191  | -2.9944 | 1.0001 | 35.6199 | 3.8783 | 1.00013 |
| 1800 | 3.8482  | -3.0193 | 1.0004 | 35.8814 | 3.9166 | 1.00035 |
| 1900 | 3.8769  | -3.0430 | 1.0009 | 36.1414 | 3.9637 | 1.00085 |
| 2000 | 3.9059  | -3.0657 | 1.0019 | 36.4082 | 4.0259 | 1.00189 |
| 2100 | 3.9364  | -3.0878 | 1.0039 | 36.6937 | 4.1127 | 1.00390 |
| 2200 | 3.9697  | -3.1095 | 1.0075 | 37.0140 | 4.2396 | 1.00751 |
| 2300 | 4.0073  | -3.1314 | 1.0136 | 37.3888 | 4.4217 | 1.01357 |
| 2400 | 4.0504  | -3.1540 | 1.0231 | 37.8397 | 4.6791 | 1.02310 |
| 2500 | 4.0993  | -3.1776 | 1.0371 | 38.3853 | 5.0274 | 1.03712 |
| 2600 | 4.1529  | -3.2026 | 1.0563 | 39.0328 | 5.4693 | 1.05628 |
| 2700 | 4.2084  | -3.2287 | 1.0802 | 39.7644 | 5.9846 | 1.08022 |
| 2800 | 4.2618  | -3.2552 | 1.1071 | 40.5324 | 6.5255 | 1.10709 |
| 2900 | 4.3086  | -3.2807 | 1.1336 | 41.2621 | 7.0174 | 1.13360 |
| 3000 | 4.3462  | -3.3041 | 1.1564 | 41.8867 | 7.3971 | 1.15636 |
| 3100 | 4.3745  | -3.3247 | 1.1736 | 42.3766 | 7.6405 | 1.17355 |
| 3200 | 4.3954  | -3.3429 | 1.1854 | 42.7473 | 7.7662 | 1.18541 |
| 3300 | 4.4112  | -3.3591 | 1.1932 | 43.0324 | 7.8114 | 1.19324 |
| 3400 | 4.4241  | -3.3740 | 1.1985 | 43.2639 | 7.8101 | 1.19846 |
| 3500 | 4.4353  | -3.3879 | 1.2021 | 43.4654 | 7.7851 | 1.20214 |
| 3600 | 4.4458  | -3.4012 | 1.2050 | 43.6527 | 7.7537 | 1.20503 |
| 3700 | 4.4561  | -3.4140 | 1.2076 | 43.8369 | 7.7254 | 1.20764 |
| 3800 | 4.4668  | -3.4266 | 1.2104 | 44.0265 | 7.7097 | 1.21036 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 3900  | 4.4782 | -3.4390 | 1.2135 | 44.2289 | 7.7119  | 1.21352 |
| 4000  | 4.4907 | -3.4514 | 1.2174 | 44.4519 | 7.7389  | 1.21744 |
| 4100  | 4.5048 | -3.4639 | 1.2225 | 44.7036 | 7.7990  | 1.22247 |
| 4200  | 4.5208 | -3.4767 | 1.2290 | 44.9930 | 7.8992  | 1.22899 |
| 4300  | 4.5392 | -3.4899 | 1.2375 | 45.3304 | 8.0496  | 1.23745 |
| 4400  | 4.5603 | -3.5036 | 1.2483 | 45.7261 | 8.2576  | 1.24832 |
| 4500  | 4.5845 | -3.5182 | 1.2622 | 46.1933 | 8.5367  | 1.26220 |
| 4600  | 4.6119 | -3.5337 | 1.2797 | 46.7434 | 8.8952  | 1.27966 |
| 4700  | 4.6427 | -3.5503 | 1.3013 | 47.3897 | 9.3454  | 1.30134 |
| 4800  | 4.6768 | -3.5683 | 1.3279 | 48.1444 | 9.8977  | 1.32791 |
| 4900  | 4.7139 | -3.5876 | 1.3599 | 49.0170 | 10.5597 | 1.35991 |
| 5000  | 4.7537 | -3.6083 | 1.3979 | 50.0203 | 11.3429 | 1.39786 |
| 5100  | 4.7948 | -3.6303 | 1.4415 | 51.1342 | 12.2235 | 1.44154 |
| 5200  | 4.8365 | -3.6533 | 1.4908 | 52.3549 | 13.1976 | 1.49075 |
| 5300  | 4.8778 | -3.6769 | 1.5446 | 53.6588 | 14.2405 | 1.54458 |
| 5400  | 4.9174 | -3.7007 | 1.6013 | 55.0055 | 15.3111 | 1.60131 |
| 5500  | 4.9543 | -3.7240 | 1.6589 | 56.3492 | 16.3645 | 1.65888 |
| 5600  | 4.9873 | -3.7462 | 1.7145 | 57.6316 | 17.3432 | 1.71454 |
| 5700  | 5.0162 | -3.7668 | 1.7662 | 58.8119 | 18.2088 | 1.76623 |
| 5800  | 5.0405 | -3.7855 | 1.8120 | 59.8539 | 18.9277 | 1.81204 |
| 5900  | 5.0607 | -3.8021 | 1.8511 | 60.7455 | 19.4903 | 1.85114 |
| 6000  | 5.0770 | -3.8169 | 1.8832 | 61.4846 | 19.8979 | 1.88320 |
| 6100  | 5.0901 | -3.8300 | 1.9089 | 62.0893 | 20.1713 | 1.90889 |
| 6200  | 5.1006 | -3.8416 | 1.9291 | 62.5806 | 20.3332 | 1.92910 |
| 6300  | 5.1091 | -3.8521 | 1.9448 | 62.9814 | 20.4080 | 1.94483 |
| 6400  | 5.1162 | -3.8616 | 1.9570 | 63.3119 | 20.4170 | 1.95703 |
| 6500  | 5.1221 | -3.8705 | 1.9666 | 63.5912 | 20.3799 | 1.96661 |
| 6600  | 5.1273 | -3.8788 | 1.9742 | 63.8329 | 20.3110 | 1.97420 |
| 6700  | 5.1319 | -3.8867 | 1.9804 | 64.0477 | 20.2209 | 1.98036 |
| 6800  | 5.1361 | -3.8942 | 1.9855 | 64.2450 | 20.1194 | 1.98554 |
| 6900  | 5.1402 | -3.9016 | 1.9900 | 64.4309 | 20.0123 | 1.99006 |
| 7000  | 5.1441 | -3.9087 | 1.9942 | 64.6110 | 19.9052 | 1.99420 |
| 7100  | 5.1480 | -3.9157 | 1.9981 | 64.7890 | 19.8015 | 1.99815 |
| 7200  | 5.1519 | -3.9227 | 2.0021 | 64.9684 | 19.7048 | 2.00210 |
| 7300  | 5.1560 | -3.9295 | 2.0062 | 65.1521 | 19.6172 | 2.00618 |
| 7400  | 5.1602 | -3.9364 | 2.0105 | 65.3425 | 19.5413 | 2.01053 |
| 7500  | 5.1646 | -3.9432 | 2.0152 | 65.5417 | 19.4786 | 2.01525 |
| 7600  | 5.1693 | -3.9501 | 2.0204 | 65.7517 | 19.4310 | 2.02045 |
| 7700  | 5.1743 | -3.9570 | 2.0262 | 65.9744 | 19.4000 | 2.02623 |
| 7800  | 5.1796 | -3.9640 | 2.0326 | 66.2118 | 19.3871 | 2.03268 |
| 7900  | 5.1853 | -3.9711 | 2.0398 | 66.4655 | 19.3938 | 2.03991 |
| 8000  | 5.1914 | -3.9783 | 2.0479 | 66.7378 | 19.4219 | 2.04801 |
| 8100  | 5.1979 | -3.9856 | 2.0570 | 67.0300 | 19.4727 | 2.05710 |
| 8200  | 5.2049 | -3.9930 | 2.0671 | 67.3444 | 19.5477 | 2.06726 |
| 8300  | 5.2124 | -4.0007 | 2.0784 | 67.6829 | 19.6487 | 2.07863 |
| 8400  | 5.2204 | -4.0085 | 2.0911 | 68.0475 | 19.7772 | 2.09129 |
| 8500  | 5.2290 | -4.0165 | 2.1051 | 68.4401 | 19.9349 | 2.10538 |
| 8600  | 5.2382 | -4.0248 | 2.1207 | 68.8628 | 20.1233 | 2.12102 |
| 8700  | 5.2480 | -4.0334 | 2.1379 | 69.3177 | 20.3444 | 2.13832 |
| 8800  | 5.2583 | -4.0422 | 2.1570 | 69.8069 | 20.5998 | 2.15742 |
| 8900  | 5.2694 | -4.0513 | 2.1779 | 70.3323 | 20.8908 | 2.17845 |
| 9000  | 5.2810 | -4.0607 | 2.2009 | 70.8959 | 21.2193 | 2.20153 |
| 9100  | 5.2932 | -4.0704 | 2.2261 | 71.4999 | 21.5869 | 2.22680 |
| 9200  | 5.3061 | -4.0805 | 2.2535 | 72.1456 | 21.9946 | 2.25437 |
| 9300  | 5.3196 | -4.0909 | 2.2834 | 72.8347 | 22.4434 | 2.28434 |
| 9400  | 5.3336 | -4.1017 | 2.3158 | 73.5687 | 22.9349 | 2.31666 |
| 9500  | 5.3482 | -4.1128 | 2.3507 | 74.3480 | 23.4687 | 2.35196 |
| 9600  | 5.3633 | -4.1242 | 2.3884 | 75.1740 | 24.0459 | 2.38976 |
| 9700  | 5.3789 | -4.1360 | 2.4287 | 76.0459 | 24.6654 | 2.43027 |
| 9800  | 5.3948 | -4.1481 | 2.4718 | 76.9634 | 25.3266 | 2.47352 |
| 9900  | 5.4111 | -4.1605 | 2.5176 | 77.9257 | 26.0282 | 2.51949 |
| 10000 | 5.4276 | -4.1731 | 2.5660 | 78.9307 | 26.7680 | 2.56813 |
| 10100 | 5.4443 | -4.1860 | 2.6169 | 79.9748 | 27.5420 | 2.61927 |
| 10200 | 5.4611 | -4.1990 | 2.6703 | 81.0557 | 28.3475 | 2.67283 |
| 10300 | 5.4779 | -4.2122 | 2.7257 | 82.1672 | 29.1785 | 2.72851 |
| 10400 | 5.4946 | -4.2254 | 2.7831 | 83.3056 | 30.0307 | 2.78613 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 10500 | 5.5111 | -4.2387 | 2.8420 | 84.4629  | 30.8964 | 2.84528 |
| 10600 | 5.5273 | -4.2519 | 2.9021 | 85.6328  | 31.7690 | 2.90562 |
| 10700 | 5.5432 | -4.2650 | 2.9629 | 86.8071  | 32.6408 | 2.96670 |
| 10800 | 5.5585 | -4.2779 | 3.0240 | 87.9780  | 33.5039 | 3.02809 |
| 10900 | 5.5734 | -4.2905 | 3.0850 | 89.1364  | 34.3494 | 3.08926 |
| 11000 | 5.5876 | -4.3029 | 3.1452 | 90.2745  | 35.1702 | 3.14975 |
| 11100 | 5.6011 | -4.3149 | 3.2044 | 91.3854  | 35.9591 | 3.20915 |
| 11200 | 5.6140 | -4.3266 | 3.2620 | 92.4609  | 36.7089 | 3.26695 |
| 11300 | 5.6261 | -4.3378 | 3.3176 | 93.4950  | 37.4138 | 3.32277 |
| 11400 | 5.6375 | -4.3485 | 3.3710 | 94.4831  | 38.0695 | 3.37629 |
| 11500 | 5.6481 | -4.3588 | 3.4218 | 95.4216  | 38.6729 | 3.42725 |
| 11600 | 5.6580 | -4.3686 | 3.4698 | 96.3061  | 39.2204 | 3.47536 |
| 11700 | 5.6671 | -4.3779 | 3.5148 | 97.1367  | 39.7123 | 3.52056 |
| 11800 | 5.6755 | -4.3868 | 3.5569 | 97.9113  | 40.1472 | 3.56268 |
| 11900 | 5.6833 | -4.3952 | 3.5959 | 98.6319  | 40.5272 | 3.60178 |
| 12000 | 5.6904 | -4.4032 | 3.6319 | 99.2992  | 40.8539 | 3.63787 |
| 12100 | 5.6969 | -4.4107 | 3.6649 | 99.9139  | 41.1286 | 3.67095 |
| 12200 | 5.7029 | -4.4179 | 3.6952 | 100.4802 | 41.3555 | 3.70124 |
| 12300 | 5.7083 | -4.4246 | 3.7227 | 101.0002 | 41.5371 | 3.72881 |
| 12400 | 5.7133 | -4.4311 | 3.7477 | 101.4772 | 41.6773 | 3.75386 |
| 12500 | 5.7179 | -4.4372 | 3.7704 | 101.9146 | 41.7796 | 3.77654 |
| 12600 | 5.7220 | -4.4430 | 3.7909 | 102.3153 | 41.8471 | 3.79703 |
| 12700 | 5.7259 | -4.4485 | 3.8094 | 102.6829 | 41.8837 | 3.81550 |
| 12800 | 5.7293 | -4.4538 | 3.8261 | 103.0197 | 41.8921 | 3.83213 |
| 12900 | 5.7326 | -4.4589 | 3.8411 | 103.3294 | 41.8757 | 3.84709 |
| 13000 | 5.7355 | -4.4638 | 3.8545 | 103.6141 | 41.8370 | 3.86051 |
| 13100 | 5.7382 | -4.4685 | 3.8666 | 103.8762 | 41.7789 | 3.87255 |
| 13200 | 5.7408 | -4.4730 | 3.8775 | 104.1186 | 41.7039 | 3.88335 |
| 13300 | 5.7431 | -4.4773 | 3.8872 | 104.3431 | 41.6139 | 3.89303 |
| 13400 | 5.7453 | -4.4816 | 3.8959 | 104.5514 | 41.5110 | 3.90171 |
| 13500 | 5.7473 | -4.4857 | 3.9038 | 104.7456 | 41.3968 | 3.90950 |
| 13600 | 5.7492 | -4.4897 | 3.9108 | 104.9271 | 41.2732 | 3.91648 |
| 13700 | 5.7510 | -4.4935 | 3.9171 | 105.0970 | 41.1412 | 3.92274 |
| 13800 | 5.7527 | -4.4973 | 3.9228 | 105.2569 | 41.0023 | 3.92836 |
| 13900 | 5.7543 | -4.5010 | 3.9279 | 105.4075 | 40.8575 | 3.93340 |
| 14000 | 5.7560 | -4.5047 | 3.9325 | 105.5697 | 40.7273 | 3.93795 |
| 14100 | 5.7573 | -4.5082 | 3.9367 | 105.6857 | 40.5542 | 3.94203 |
| 14200 | 5.7586 | -4.5117 | 3.9404 | 105.8149 | 40.3973 | 3.94571 |
| 14300 | 5.7600 | -4.5151 | 3.9438 | 105.9382 | 40.2378 | 3.94903 |
| 14400 | 5.7613 | -4.5185 | 3.9469 | 106.0568 | 40.0762 | 3.95203 |
| 14500 | 5.7625 | -4.5218 | 3.9496 | 106.1706 | 39.9133 | 3.95475 |
| 14600 | 5.7637 | -4.5250 | 3.9522 | 106.2802 | 39.7493 | 3.95721 |
| 14700 | 5.7649 | -4.5283 | 3.9545 | 106.3865 | 39.5848 | 3.95945 |
| 14800 | 5.7660 | -4.5314 | 3.9566 | 106.4897 | 39.4200 | 3.96149 |
| 14900 | 5.7671 | -4.5346 | 3.9585 | 106.5893 | 39.2553 | 3.96336 |
| 15000 | 5.7682 | -4.5377 | 3.9603 | 106.6876 | 39.0910 | 3.96507 |

LOG P=-2.1

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5417  | -1.6636 | 1.0000 | 24.9186 | 3.4806 | 1.00000 |
| 200  | 2.8434  | -1.9647 | 1.0000 | 27.3376 | 3.4862 | 1.00000 |
| 300  | 3.0198  | -2.1408 | 1.0000 | 28.7548 | 3.4891 | 1.00000 |
| 400  | 3.1455  | -2.2656 | 1.0000 | 29.7650 | 3.4952 | 1.00000 |
| 500  | 3.2440  | -2.3626 | 1.0000 | 30.5588 | 3.5074 | 1.00000 |
| 600  | 3.3256  | -2.4417 | 1.0000 | 31.2190 | 3.5270 | 1.00000 |
| 700  | 3.3955  | -2.5088 | 1.0000 | 31.7897 | 3.5516 | 1.00000 |
| 800  | 3.4572  | -2.5667 | 1.0000 | 32.2945 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -2.6178 | 1.0000 | 32.7510 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -2.6636 | 1.0000 | 33.1655 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -2.7051 | 1.0000 | 33.5482 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -2.7428 | 1.0000 | 33.9046 | 3.7122 | 1.00000 |
| 1300 | 3.6874  | -2.7776 | 1.0000 | 34.2344 | 3.7452 | 1.00000 |
| 1400 | 3.7234  | -2.8097 | 1.0000 | 34.5454 | 3.7779 | 1.00000 |
| 1500 | 3.7571  | -2.8397 | 1.0000 | 34.8420 | 3.8106 | 1.00000 |

|      |        |         |        |         |         |         |
|------|--------|---------|--------|---------|---------|---------|
| 1500 | 3.7570 | -2.8400 | 1.0000 | 34.8409 | 3.8100  | 1.00001 |
| 1600 | 3.7888 | -2.8580 | 1.0000 | 35.1208 | 3.8432  | 1.00003 |
| 1700 | 3.8190 | -2.8944 | 1.0001 | 35.3891 | 3.8778  | 1.00011 |
| 1800 | 3.8480 | -2.9193 | 1.0003 | 35.6498 | 3.9153  | 1.00031 |
| 1900 | 3.8765 | -2.9429 | 1.0008 | 35.9080 | 3.9608  | 1.00076 |
| 2000 | 3.9052 | -2.9656 | 1.0017 | 36.1713 | 4.0196  | 1.00168 |
| 2100 | 3.9351 | -2.9876 | 1.0035 | 36.4503 | 4.1004  | 1.00348 |
| 2200 | 3.9674 | -3.0092 | 1.0067 | 36.7597 | 4.2172  | 1.00671 |
| 2300 | 4.0036 | -3.0308 | 1.0121 | 37.1174 | 4.3835  | 1.01213 |
| 2400 | 4.0447 | -3.0530 | 1.0207 | 37.5434 | 4.6181  | 1.02070 |
| 2500 | 4.0914 | -3.0761 | 1.0334 | 38.0561 | 4.9365  | 1.03339 |
| 2600 | 4.1429 | -3.1004 | 1.0510 | 38.6652 | 5.3444  | 1.05094 |
| 2700 | 4.1969 | -3.1259 | 1.0733 | 39.3602 | 5.8283  | 1.07325 |
| 2800 | 4.2500 | -3.1520 | 1.0990 | 40.1044 | 6.3515  | 1.09901 |
| 2900 | 4.2980 | -3.1776 | 1.1254 | 40.8326 | 6.8481  | 1.12541 |
| 3000 | 4.3377 | -3.2013 | 1.1491 | 41.4779 | 7.2538  | 1.14911 |
| 3100 | 4.3683 | -3.2226 | 1.1678 | 41.9989 | 7.5324  | 1.16783 |
| 3200 | 4.3911 | -3.2413 | 1.1812 | 42.3991 | 7.6905  | 1.18122 |
| 3300 | 4.4084 | -3.2580 | 1.1903 | 42.7062 | 7.7597  | 1.19025 |
| 3400 | 4.4221 | -3.2732 | 1.1963 | 42.9520 | 7.7739  | 1.19631 |
| 3500 | 4.4338 | -3.2873 | 1.2005 | 43.1616 | 7.7578  | 1.20051 |
| 3600 | 4.4445 | -3.3007 | 1.2037 | 43.3524 | 7.7307  | 1.20371 |
| 3700 | 4.4549 | -3.3136 | 1.2065 | 43.5365 | 7.7029  | 1.20645 |
| 3800 | 4.4654 | -3.3261 | 1.2092 | 43.7230 | 7.6848  | 1.20917 |
| 3900 | 4.4765 | -3.3385 | 1.2122 | 43.9193 | 7.6816  | 1.21219 |
| 4000 | 4.4886 | -3.3508 | 1.2159 | 44.1327 | 7.7000  | 1.21585 |
| 4100 | 4.5020 | -3.3632 | 1.2205 | 44.3710 | 7.7477  | 1.22044 |
| 4200 | 4.5171 | -3.3757 | 1.2264 | 44.6423 | 7.8311  | 1.22635 |
| 4300 | 4.5344 | -3.3886 | 1.2340 | 44.9560 | 7.9596  | 1.23398 |
| 4400 | 4.5541 | -3.4020 | 1.2438 | 45.3214 | 8.1398  | 1.24375 |
| 4500 | 4.5767 | -3.4161 | 1.2562 | 45.7507 | 8.3839  | 1.25620 |
| 4600 | 4.6023 | -3.4311 | 1.2719 | 46.2542 | 8.6996  | 1.27186 |
| 4700 | 4.6311 | -3.4470 | 1.2914 | 46.8445 | 9.0986  | 1.29135 |
| 4800 | 4.6631 | -3.4641 | 1.3153 | 47.5335 | 9.5911  | 1.31528 |
| 4900 | 4.6982 | -3.4825 | 1.3442 | 48.3310 | 10.1852 | 1.34421 |
| 5000 | 4.7362 | -3.5023 | 1.3787 | 49.2519 | 10.8942 | 1.37870 |
| 5100 | 4.7757 | -3.5233 | 1.4187 | 50.2796 | 11.6981 | 1.41870 |
| 5200 | 4.8163 | -3.5455 | 1.4643 | 51.4158 | 12.5988 | 1.46425 |
| 5300 | 4.8571 | -3.5685 | 1.5148 | 52.6449 | 13.5791 | 1.51479 |
| 5400 | 4.8970 | -3.5919 | 1.5690 | 53.9358 | 14.6067 | 1.56902 |
| 5500 | 4.9347 | -3.6152 | 1.6253 | 55.2507 | 15.6444 | 1.62532 |
| 5600 | 4.9693 | -3.6377 | 1.6812 | 56.5361 | 16.6388 | 1.68117 |
| 5700 | 5.0002 | -3.6589 | 1.7345 | 57.7499 | 17.5497 | 1.73450 |
| 5800 | 5.0268 | -3.6785 | 1.7832 | 58.8495 | 18.3371 | 1.78316 |
| 5900 | 5.0492 | -3.6962 | 1.8259 | 59.8134 | 18.9817 | 1.82588 |
| 6000 | 5.0676 | -3.7120 | 1.8618 | 60.6292 | 19.4738 | 1.86183 |
| 6100 | 5.0826 | -3.7259 | 1.8913 | 61.3067 | 19.8264 | 1.89127 |
| 6200 | 5.0947 | -3.7384 | 1.9148 | 61.8621 | 20.0574 | 1.91484 |
| 6300 | 5.1045 | -3.7495 | 1.9334 | 62.3161 | 20.1893 | 1.93342 |
| 6400 | 5.1125 | -3.7596 | 1.9479 | 62.6889 | 20.2435 | 1.94792 |
| 6500 | 5.1192 | -3.7689 | 1.9593 | 63.0008 | 20.2415 | 1.95931 |
| 6600 | 5.1249 | -3.7775 | 1.9683 | 63.2668 | 20.1987 | 1.96830 |
| 6700 | 5.1299 | -3.7856 | 1.9755 | 63.4990 | 20.1277 | 1.97550 |
| 6800 | 5.1344 | -3.7934 | 1.9814 | 63.7083 | 20.0394 | 1.98144 |
| 6900 | 5.1386 | -3.8008 | 1.9865 | 63.9017 | 19.9409 | 1.98648 |
| 7000 | 5.1426 | -3.8080 | 1.9910 | 64.0856 | 19.8386 | 1.99096 |
| 7100 | 5.1465 | -3.8151 | 1.9951 | 64.2644 | 19.7367 | 1.99510 |
| 7200 | 5.1505 | -3.8220 | 1.9991 | 64.4420 | 19.6388 | 1.99908 |
| 7300 | 5.1544 | -3.8289 | 2.0031 | 64.6213 | 19.5480 | 2.00309 |
| 7400 | 5.1585 | -3.8357 | 2.0072 | 64.8052 | 19.4666 | 2.00725 |
| 7500 | 5.1628 | -3.8425 | 2.0116 | 64.9959 | 19.3964 | 2.01168 |
| 7600 | 5.1673 | -3.8493 | 2.0165 | 65.1953 | 19.3393 | 2.01650 |
| 7700 | 5.1720 | -3.8561 | 2.0217 | 65.4054 | 19.2969 | 2.02179 |
| 7800 | 5.1770 | -3.8629 | 2.0276 | 65.6279 | 19.2706 | 2.02766 |
| 7900 | 5.1823 | -3.8699 | 2.0341 | 65.8646 | 19.2620 | 2.03419 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 8000  | 5.1880 | -3.8769 | 2.0414 | 66.1175  | 19.2725 | 2.04149 |
| 8100  | 5.1941 | -3.8840 | 2.0495 | 66.3879  | 19.3033 | 2.04965 |
| 8200  | 5.2006 | -3.8912 | 2.0586 | 66.6779  | 19.3562 | 2.05876 |
| 8300  | 5.2076 | -3.8986 | 2.0687 | 66.9891  | 19.4324 | 2.06893 |
| 8400  | 5.2151 | -3.9062 | 2.0800 | 67.3235  | 19.5335 | 2.08027 |
| 8500  | 5.2230 | -3.9140 | 2.0926 | 67.6828  | 19.6610 | 2.09287 |
| 8600  | 5.2315 | -3.9219 | 2.1065 | 68.0689  | 19.8162 | 2.10685 |
| 8700  | 5.2406 | -3.9301 | 2.1219 | 68.4838  | 20.0010 | 2.12232 |
| 8800  | 5.2502 | -3.9385 | 2.1390 | 68.9294  | 20.2168 | 2.13940 |
| 8900  | 5.2604 | -3.9472 | 2.1577 | 69.4074  | 20.4650 | 2.15821 |
| 9000  | 5.2712 | -3.9562 | 2.1783 | 69.9198  | 20.7473 | 2.17887 |
| 9100  | 5.2826 | -3.9655 | 2.2008 | 70.4686  | 21.0651 | 2.20151 |
| 9200  | 5.2946 | -3.9751 | 2.2254 | 71.0551  | 21.4195 | 2.22622 |
| 9300  | 5.3072 | -3.9849 | 2.2522 | 71.6811  | 21.8118 | 2.25313 |
| 9400  | 5.3203 | -3.9952 | 2.2813 | 72.3483  | 22.2434 | 2.28235 |
| 9500  | 5.3340 | -4.0057 | 2.3128 | 73.0572  | 22.7145 | 2.31395 |
| 9600  | 5.3483 | -4.0166 | 2.3468 | 73.8094  | 23.2262 | 2.34807 |
| 9700  | 5.3630 | -4.0278 | 2.3832 | 74.6048  | 23.7782 | 2.38471 |
| 9800  | 5.3781 | -4.0393 | 2.4223 | 75.4438  | 24.3703 | 2.42395 |
| 9900  | 5.3936 | -4.0511 | 2.4640 | 76.3261  | 25.0021 | 2.46581 |
| 10000 | 5.4095 | -4.0632 | 2.5082 | 77.2508  | 25.6722 | 2.51028 |
| 10100 | 5.4256 | -4.0756 | 2.5550 | 78.2152  | 26.3777 | 2.55725 |
| 10200 | 5.4418 | -4.0881 | 2.6042 | 79.2183  | 27.1171 | 2.60671 |
| 10300 | 5.4582 | -4.1009 | 2.6557 | 80.2550  | 27.8856 | 2.65842 |
| 10400 | 5.4746 | -4.1137 | 2.7093 | 81.3232  | 28.6804 | 2.71228 |
| 10500 | 5.4909 | -4.1267 | 2.7647 | 82.4165  | 29.4954 | 2.76799 |
| 10600 | 5.5071 | -4.1397 | 2.8218 | 83.5299  | 30.3253 | 2.82528 |
| 10700 | 5.5230 | -4.1526 | 2.8800 | 84.6571  | 31.1638 | 2.88379 |
| 10800 | 5.5386 | -4.1655 | 2.9391 | 85.7910  | 32.0040 | 2.94318 |
| 10900 | 5.5538 | -4.1782 | 2.9987 | 86.9238  | 32.8378 | 3.00298 |
| 11000 | 5.5685 | -4.1907 | 3.0582 | 88.0482  | 33.6587 | 3.06277 |
| 11100 | 5.5826 | -4.2030 | 3.1173 | 89.1573  | 34.4597 | 3.12216 |
| 11200 | 5.5962 | -4.2149 | 3.1756 | 90.2431  | 35.2328 | 3.18063 |
| 11300 | 5.6090 | -4.2265 | 3.2325 | 91.2985  | 35.9717 | 3.23779 |
| 11400 | 5.6212 | -4.2377 | 3.2877 | 92.3178  | 36.6709 | 3.29325 |
| 11500 | 5.6327 | -4.2484 | 3.3410 | 93.2967  | 37.3266 | 3.34670 |
| 11600 | 5.6435 | -4.2588 | 3.3919 | 94.2290  | 37.9332 | 3.39776 |
| 11700 | 5.6535 | -4.2686 | 3.4403 | 95.1136  | 38.4899 | 3.44631 |
| 11800 | 5.6629 | -4.2781 | 3.4859 | 95.9466  | 38.9934 | 3.49208 |
| 11900 | 5.6715 | -4.2870 | 3.5288 | 96.7286  | 39.4445 | 3.53503 |
| 12000 | 5.6795 | -4.2956 | 3.5687 | 97.4593  | 39.8433 | 3.57513 |
| 12100 | 5.6869 | -4.3036 | 3.6058 | 98.1380  | 40.1901 | 3.61227 |
| 12200 | 5.6937 | -4.3113 | 3.6401 | 98.7675  | 40.4877 | 3.64659 |
| 12300 | 5.6999 | -4.3186 | 3.6715 | 99.3492  | 40.7378 | 3.67813 |
| 12400 | 5.7056 | -4.3255 | 3.7004 | 99.8855  | 40.9434 | 3.70702 |
| 12500 | 5.7108 | -4.3321 | 3.7267 | 100.3795 | 41.1078 | 3.73338 |
| 12600 | 5.7156 | -4.3383 | 3.7507 | 100.8335 | 41.2338 | 3.75737 |
| 12700 | 5.7200 | -4.3443 | 3.7725 | 101.2509 | 41.3248 | 3.77914 |
| 12800 | 5.7240 | -4.3500 | 3.7922 | 101.6342 | 41.3837 | 3.79885 |
| 12900 | 5.7277 | -4.3554 | 3.8101 | 101.9867 | 41.4140 | 3.81668 |
| 13000 | 5.7311 | -4.3606 | 3.8262 | 102.3109 | 41.4181 | 3.83275 |
| 13100 | 5.7343 | -4.3655 | 3.8407 | 102.6090 | 41.3992 | 3.84723 |
| 13200 | 5.7372 | -4.3703 | 3.8538 | 102.8843 | 41.3597 | 3.86028 |
| 13300 | 5.7398 | -4.3749 | 3.8656 | 103.1388 | 41.3022 | 3.87203 |
| 13400 | 5.7423 | -4.3794 | 3.8762 | 103.3744 | 41.2286 | 3.88258 |
| 13500 | 5.7446 | -4.3837 | 3.8857 | 103.5931 | 41.1411 | 3.89208 |
| 13600 | 5.7468 | -4.3878 | 3.8943 | 103.7969 | 41.0415 | 3.90062 |
| 13700 | 5.7488 | -4.3919 | 3.9021 | 103.9868 | 40.9313 | 3.90830 |
| 13800 | 5.7507 | -4.3958 | 3.9090 | 104.1649 | 40.8120 | 3.91520 |
| 13900 | 5.7525 | -4.3996 | 3.9153 | 104.3318 | 40.6847 | 3.92141 |
| 14000 | 5.7543 | -4.4034 | 3.9210 | 104.5086 | 40.5704 | 3.92702 |
| 14100 | 5.7557 | -4.4070 | 3.9261 | 104.6380 | 40.4117 | 3.93205 |
| 14200 | 5.7572 | -4.4106 | 3.9307 | 104.7791 | 40.2676 | 3.93660 |
| 14300 | 5.7587 | -4.4141 | 3.9349 | 104.9131 | 40.1196 | 3.94071 |
| 14400 | 5.7601 | -4.4176 | 3.9386 | 105.0412 | 39.9685 | 3.94443 |
| 14500 | 5.7614 | -4.4210 | 3.9421 | 105.1636 | 39.8149 | 3.94779 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 14600 | 5.7627 | -4.4243 | 3.9452 | 105.2808 | 39.6592 | 3.95082 |
| 14700 | 5.7639 | -4.4276 | 3.9480 | 105.3940 | 39.5021 | 3.95359 |
| 14800 | 5.7651 | -4.4308 | 3.9506 | 105.5033 | 39.3440 | 3.95610 |
| 14900 | 5.7663 | -4.4340 | 3.9529 | 105.6088 | 39.1852 | 3.95838 |
| 15000 | 5.7675 | -4.4371 | 3.9551 | 105.7113 | 39.0261 | 3.96048 |

LOG P=-2.0

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT    | Z*      |
|------|---------|---------|--------|---------|---------|---------|
| 100  | 2.5416  | -1.5636 | .9998  | 24.6881 | 3.4805  | 1.00000 |
| 200  | 2.8434  | -1.8648 | 1.0000 | 27.1074 | 3.4862  | 1.00000 |
| 300  | 3.0198  | -2.0409 | 1.0000 | 28.5251 | 3.4891  | 1.00000 |
| 400  | 3.1455  | -2.1657 | 1.0000 | 29.5349 | 3.4952  | 1.00000 |
| 500  | 3.2440  | -2.2627 | 1.0000 | 30.3286 | 3.5074  | 1.00000 |
| 600  | 3.3256  | -2.3418 | 1.0000 | 30.9889 | 3.5270  | 1.00000 |
| 700  | 3.3955  | -2.4089 | 1.0000 | 31.5596 | 3.5516  | 1.00000 |
| 800  | 3.4572  | -2.4669 | 1.0000 | 32.0649 | 3.5817  | 1.00000 |
| 900  | 3.5121  | -2.5180 | 1.0000 | 32.5210 | 3.6129  | 1.00000 |
| 1000 | 3.5619  | -2.5636 | 1.0000 | 32.9354 | 3.6467  | 1.00000 |
| 1100 | 3.6071  | -2.6052 | 1.0000 | 33.3179 | 3.6791  | 1.00000 |
| 1200 | 3.6488  | -2.6430 | 1.0000 | 33.6749 | 3.7122  | 1.00000 |
| 1300 | 3.6874  | -2.6777 | 1.0000 | 34.0047 | 3.7452  | 1.00000 |
| 1400 | 3.7234  | -2.7098 | 1.0000 | 34.3156 | 3.7779  | 1.00000 |
| 1500 | 3.7571  | -2.7398 | 1.0000 | 34.6103 | 3.8106  | 1.00000 |
| 1500 | 3.7570  | -2.7400 | 1.0000 | 34.6106 | 3.8099  | 1.00001 |
| 1600 | 3.7888  | -2.7680 | 1.0000 | 34.8904 | 3.8431  | 1.00003 |
| 1700 | 3.8190  | -2.7944 | 1.0001 | 35.1584 | 3.8774  | 1.00010 |
| 1800 | 3.8479  | -2.8192 | 1.0003 | 35.4183 | 3.9142  | 1.00028 |
| 1900 | 3.8762  | -2.8429 | 1.0007 | 35.6750 | 3.9581  | 1.00067 |
| 2000 | 3.9046  | -2.8655 | 1.0015 | 35.9351 | 4.0141  | 1.00150 |
| 2100 | 3.9339  | -2.8874 | 1.0031 | 36.2084 | 4.0894  | 1.00311 |
| 2200 | 3.9654  | -2.9089 | 1.0060 | 36.5080 | 4.1972  | 1.00599 |
| 2300 | 4.0001  | -2.9303 | 1.0108 | 36.8502 | 4.3492  | 1.01084 |
| 2400 | 4.0395  | -2.9520 | 1.0185 | 37.2537 | 4.5632  | 1.01854 |
| 2500 | 4.0840  | -2.9746 | 1.0300 | 37.7360 | 4.8540  | 1.03000 |
| 2600 | 4.1334  | -2.9984 | 1.0460 | 38.3087 | 5.2293  | 1.04602 |
| 2700 | 4.1858  | -3.0233 | 1.0667 | 38.9668 | 5.6813  | 1.06671 |
| 2800 | 4.2383  | -3.0489 | 1.0912 | 39.6834 | 6.1827  | 1.09118 |
| 2900 | 4.2870  | -3.0744 | 1.1171 | 40.4033 | 6.6769  | 1.11714 |
| 3000 | 4.3285  | -3.0984 | 1.1415 | 41.0622 | 7.1018  | 1.14145 |
| 3100 | 4.3613  | -3.1203 | 1.1615 | 41.6111 | 7.4128  | 1.16153 |
| 3200 | 4.3862  | -3.1396 | 1.1765 | 42.0413 | 7.6041  | 1.17646 |
| 3300 | 4.4050  | -3.1568 | 1.1868 | 42.3726 | 7.6997  | 1.18680 |
| 3400 | 4.4198  | -3.1723 | 1.1938 | 42.6349 | 7.7321  | 1.19381 |
| 3500 | 4.4321  | -3.1866 | 1.1987 | 42.8545 | 7.7270  | 1.19865 |
| 3600 | 4.4431  | -3.2001 | 1.2022 | 43.0503 | 7.7056  | 1.20222 |
| 3700 | 4.4536  | -3.2131 | 1.2052 | 43.2356 | 7.6797  | 1.20517 |
| 3800 | 4.4640  | -3.2257 | 1.2079 | 43.4202 | 7.6603  | 1.20793 |
| 3900 | 4.4749  | -3.2380 | 1.2109 | 43.6115 | 7.6527  | 1.21087 |
| 4000 | 4.4865  | -3.2502 | 1.2143 | 43.8168 | 7.6638  | 1.21431 |
| 4100 | 4.4993  | -3.2625 | 1.2186 | 44.0433 | 7.7007  | 1.21855 |
| 4200 | 4.5136  | -3.2749 | 1.2239 | 44.2986 | 7.7695  | 1.22392 |
| 4300 | 4.5299  | -3.2875 | 1.2308 | 44.5912 | 7.8786  | 1.23081 |
| 4400 | 4.5484  | -3.3006 | 1.2396 | 44.9296 | 8.0339  | 1.23960 |
| 4500 | 4.5695  | -3.3143 | 1.2508 | 45.3249 | 8.2468  | 1.25079 |
| 4600 | 4.5934  | -3.3287 | 1.2648 | 45.7866 | 8.5241  | 1.26484 |
| 4700 | 4.6204  | -3.3440 | 1.2823 | 46.3264 | 8.8768  | 1.28234 |
| 4800 | 4.6504  | -3.3603 | 1.3039 | 46.9556 | 9.3146  | 1.30387 |
| 4900 | 4.6835  | -3.3779 | 1.3300 | 47.6841 | 9.8461  | 1.32998 |
| 5000 | 4.7196  | -3.3968 | 1.3612 | 48.5279 | 10.4854 | 1.36123 |
| 5100 | 4.7574  | -3.4168 | 1.3977 | 49.4730 | 11.2157 | 1.39772 |
| 5200 | 4.7967  | -3.4381 | 1.4396 | 50.5257 | 12.0429 | 1.43964 |
| 5300 | 4.8367  | -3.4604 | 1.4867 | 51.6763 | 12.9559 | 1.48672 |
| 5400 | 4.8764  | -3.4832 | 1.5380 | 52.9021 | 13.9304 | 1.53804 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 5500  | 4.9146 | -3.5063 | 1.5924 | 54.1731 | 14.9369 | 1.59236 |
| 5600  | 4.9504 | -3.5289 | 1.6475 | 55.4425 | 15.9281 | 1.64750 |
| 5700  | 4.9829 | -3.5506 | 1.7016 | 56.6709 | 16.8662 | 1.70159 |
| 5800  | 5.0116 | -3.5709 | 1.7524 | 57.8126 | 17.7073 | 1.75235 |
| 5900  | 5.0362 | -3.5895 | 1.7982 | 58.8389 | 18.4243 | 1.79819 |
| 6000  | 5.0569 | -3.6063 | 1.8378 | 59.7270 | 18.9974 | 1.83782 |
| 6100  | 5.0738 | -3.6213 | 1.8711 | 60.4778 | 19.4306 | 1.87105 |
| 6200  | 5.0876 | -3.6346 | 1.8982 | 61.1012 | 19.7354 | 1.89818 |
| 6300  | 5.0989 | -3.6465 | 1.9199 | 61.6142 | 19.9310 | 1.91990 |
| 6400  | 5.1080 | -3.6572 | 1.9370 | 62.0355 | 20.0375 | 1.93703 |
| 6500  | 5.1156 | -3.6669 | 1.9506 | 62.3862 | 20.0771 | 1.95056 |
| 6600  | 5.1220 | -3.6759 | 1.9613 | 62.6819 | 20.0664 | 1.96125 |
| 6700  | 5.1275 | -3.6843 | 1.9697 | 62.9362 | 20.0192 | 1.96974 |
| 6800  | 5.1324 | -3.6923 | 1.9767 | 63.1615 | 19.9483 | 1.97666 |
| 6900  | 5.1369 | -3.6999 | 1.9824 | 63.3656 | 19.8617 | 1.98240 |
| 7000  | 5.1410 | -3.7072 | 1.9874 | 63.5561 | 19.7671 | 1.98737 |
| 7100  | 5.1451 | -3.7144 | 1.9918 | 63.7379 | 19.6693 | 1.99180 |
| 7200  | 5.1490 | -3.7213 | 1.9959 | 63.9157 | 19.5726 | 1.99594 |
| 7300  | 5.1529 | -3.7282 | 1.9999 | 64.0928 | 19.4803 | 1.99997 |
| 7400  | 5.1569 | -3.7350 | 2.0040 | 64.2721 | 19.3952 | 2.00404 |
| 7500  | 5.1611 | -3.7417 | 2.0082 | 64.4560 | 19.3193 | 2.00827 |
| 7600  | 5.1654 | -3.7485 | 2.0127 | 64.6467 | 19.2546 | 2.01279 |
| 7700  | 5.1699 | -3.7552 | 2.0176 | 64.8460 | 19.2026 | 2.01768 |
| 7800  | 5.1746 | -3.7619 | 2.0230 | 65.0558 | 19.1649 | 2.02305 |
| 7900  | 5.1796 | -3.7687 | 2.0289 | 65.2777 | 19.1428 | 2.02899 |
| 8000  | 5.1850 | -3.7756 | 2.0355 | 65.5136 | 19.1379 | 2.03559 |
| 8100  | 5.1907 | -3.7826 | 2.0428 | 65.7648 | 19.1513 | 2.04293 |
| 8200  | 5.1968 | -3.7896 | 2.0510 | 66.0331 | 19.1845 | 2.05112 |
| 8300  | 5.2033 | -3.7968 | 2.0601 | 66.3202 | 19.2387 | 2.06024 |
| 8400  | 5.2102 | -3.8041 | 2.0702 | 66.6278 | 19.3155 | 2.07040 |
| 8500  | 5.2176 | -3.8116 | 2.0814 | 66.9575 | 19.4160 | 2.08168 |
| 8600  | 5.2255 | -3.8193 | 2.0939 | 67.3109 | 19.5417 | 2.09417 |
| 8700  | 5.2339 | -3.8272 | 2.1077 | 67.6900 | 19.6940 | 2.10801 |
| 8800  | 5.2428 | -3.8353 | 2.1229 | 68.0964 | 19.8744 | 2.12329 |
| 8900  | 5.2523 | -3.8436 | 2.1396 | 68.5319 | 20.0842 | 2.14010 |
| 9000  | 5.2623 | -3.8522 | 2.1580 | 68.9982 | 20.3248 | 2.15859 |
| 9100  | 5.2729 | -3.8610 | 2.1782 | 69.4973 | 20.5979 | 2.17885 |
| 9200  | 5.2840 | -3.8701 | 2.2002 | 70.0303 | 20.9042 | 2.20099 |
| 9300  | 5.2958 | -3.8795 | 2.2243 | 70.5991 | 21.2453 | 2.22511 |
| 9400  | 5.3080 | -3.8892 | 2.2504 | 71.2054 | 21.6224 | 2.25134 |
| 9500  | 5.3209 | -3.8993 | 2.2786 | 71.8499 | 22.0359 | 2.27975 |
| 9600  | 5.3342 | -3.9096 | 2.3092 | 72.5342 | 22.4872 | 2.31046 |
| 9700  | 5.3481 | -3.9202 | 2.3421 | 73.2588 | 22.9763 | 2.34352 |
| 9800  | 5.3624 | -3.9312 | 2.3774 | 74.0241 | 23.5033 | 2.37900 |
| 9900  | 5.3771 | -3.9424 | 2.4152 | 74.8307 | 24.0683 | 2.41696 |
| 10000 | 5.3922 | -3.9540 | 2.4554 | 75.6782 | 24.6709 | 2.45742 |
| 10100 | 5.4076 | -3.9658 | 2.4981 | 76.5646 | 25.3088 | 2.50032 |
| 10200 | 5.4233 | -3.9778 | 2.5432 | 77.4901 | 25.9815 | 2.54568 |
| 10300 | 5.4391 | -3.9901 | 2.5907 | 78.4507 | 26.6853 | 2.59334 |
| 10400 | 5.4551 | -4.0026 | 2.6403 | 79.4456 | 27.4189 | 2.64327 |
| 10500 | 5.4711 | -4.0151 | 2.6921 | 80.4699 | 28.1773 | 2.69525 |
| 10600 | 5.4871 | -4.0278 | 2.7456 | 81.5199 | 28.9563 | 2.74909 |
| 10700 | 5.5029 | -4.0405 | 2.8008 | 82.5906 | 29.7512 | 2.80453 |
| 10800 | 5.5185 | -4.0532 | 2.8572 | 83.6760 | 30.5560 | 2.86126 |
| 10900 | 5.5339 | -4.0659 | 2.9146 | 84.7694 | 31.3639 | 2.91890 |
| 11000 | 5.5488 | -4.0784 | 2.9725 | 85.8645 | 32.1689 | 2.97711 |
| 11100 | 5.5634 | -4.0907 | 3.0307 | 86.9554 | 32.9648 | 3.03552 |
| 11200 | 5.5774 | -4.1028 | 3.0885 | 88.0339 | 33.7441 | 3.09366 |
| 11300 | 5.5909 | -4.1147 | 3.1457 | 89.0932 | 34.5001 | 3.15113 |
| 11400 | 5.6038 | -4.1262 | 3.2019 | 90.1272 | 35.2270 | 3.20755 |
| 11500 | 5.6160 | -4.1373 | 3.2567 | 91.1311 | 35.9202 | 3.26257 |
| 11600 | 5.6276 | -4.1481 | 3.3097 | 92.0974 | 36.5730 | 3.31578 |
| 11700 | 5.6385 | -4.1585 | 3.3607 | 93.0241 | 37.1833 | 3.36696 |
| 11800 | 5.6488 | -4.1684 | 3.4093 | 93.9059 | 37.7464 | 3.41579 |
| 11900 | 5.6583 | -4.1779 | 3.4555 | 94.7418 | 38.2617 | 3.46214 |
| 12000 | 5.6672 | -4.1870 | 3.4991 | 95.5303 | 38.7278 | 3.50589 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 12100 | 5.6755 | -4.1956 | 3.5400 | 96.2691  | 39.1437 | 3.54686 |
| 12200 | 5.6831 | -4.2039 | 3.5781 | 96.9597  | 39.5105 | 3.58510 |
| 12300 | 5.6901 | -4.2117 | 3.6135 | 97.6023  | 39.8294 | 3.62056 |
| 12400 | 5.6966 | -4.2191 | 3.6462 | 98.1984  | 40.1021 | 3.65334 |
| 12500 | 5.7026 | -4.2262 | 3.6763 | 98.7508  | 40.3314 | 3.68351 |
| 12600 | 5.7080 | -4.2329 | 3.7040 | 99.2610  | 40.5194 | 3.71119 |
| 12700 | 5.7131 | -4.2393 | 3.7293 | 99.7319  | 40.6695 | 3.73650 |
| 12800 | 5.7177 | -4.2454 | 3.7523 | 100.1657 | 40.7840 | 3.75957 |
| 12900 | 5.7220 | -4.2512 | 3.7733 | 100.5656 | 40.8660 | 3.78056 |
| 13000 | 5.7259 | -4.2567 | 3.7924 | 100.9339 | 40.9185 | 3.79962 |
| 13100 | 5.7295 | -4.2620 | 3.8097 | 101.2729 | 40.9441 | 3.81687 |
| 13200 | 5.7328 | -4.2671 | 3.8253 | 101.5860 | 40.9458 | 3.83250 |
| 13300 | 5.7359 | -4.2720 | 3.8395 | 101.8753 | 40.9259 | 3.84663 |
| 13400 | 5.7387 | -4.2767 | 3.8523 | 102.1426 | 40.8868 | 3.85938 |
| 13500 | 5.7413 | -4.2812 | 3.8639 | 102.3903 | 40.8308 | 3.87069 |
| 13600 | 5.7438 | -4.2856 | 3.8743 | 102.6204 | 40.7597 | 3.88129 |
| 13700 | 5.7461 | -4.2898 | 3.8837 | 102.8343 | 40.6753 | 3.89065 |
| 13800 | 5.7482 | -4.2939 | 3.8922 | 103.0341 | 40.5796 | 3.89910 |
| 13900 | 5.7502 | -4.2979 | 3.8999 | 103.2207 | 40.4736 | 3.90671 |
| 14000 | 5.7523 | -4.3018 | 3.9069 | 103.4151 | 40.3783 | 3.91359 |
| 14100 | 5.7539 | -4.3056 | 3.9131 | 103.5607 | 40.2370 | 3.91979 |
| 14200 | 5.7555 | -4.3093 | 3.9188 | 103.7162 | 40.1086 | 3.92540 |
| 14300 | 5.7571 | -4.3129 | 3.9239 | 103.8633 | 39.9747 | 3.93046 |
| 14400 | 5.7586 | -4.3165 | 3.9286 | 104.0032 | 39.8364 | 3.93505 |
| 14500 | 5.7601 | -4.3199 | 3.9328 | 104.1361 | 39.6941 | 3.93919 |
| 14600 | 5.7615 | -4.3233 | 3.9366 | 104.2628 | 39.5487 | 3.94293 |
| 14700 | 5.7628 | -4.3267 | 3.9401 | 104.3845 | 39.4009 | 3.94635 |
| 14800 | 5.7641 | -4.3300 | 3.9433 | 104.5014 | 39.2510 | 3.94944 |
| 14900 | 5.7654 | -4.3332 | 3.9462 | 104.6138 | 39.0996 | 3.95226 |
| 15000 | 5.7666 | -4.3364 | 3.9488 | 104.7223 | 38.9472 | 3.95483 |

LGG P=-1.9

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5416  | -1.4636 | .9997  | 24.4577 | 3.4801 | 1.00000 |
| 200  | 2.8434  | -1.7649 | 1.0000 | 26.8770 | 3.4862 | 1.00000 |
| 300  | 3.0198  | -1.9410 | 1.0000 | 28.2950 | 3.4891 | 1.00000 |
| 400  | 3.1455  | -2.0658 | 1.0000 | 29.3047 | 3.4952 | 1.00000 |
| 500  | 3.2440  | -2.1628 | 1.0000 | 30.0985 | 3.5074 | 1.00000 |
| 600  | 3.3256  | -2.2419 | 1.0000 | 30.7587 | 3.5270 | 1.00000 |
| 700  | 3.3955  | -2.3089 | 1.0000 | 31.3296 | 3.5516 | 1.00000 |
| 800  | 3.4572  | -2.3670 | 1.0000 | 31.8350 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -2.4181 | 1.0000 | 32.2903 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -2.4638 | 1.0000 | 32.7057 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -2.5052 | 1.0000 | 33.0890 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -2.5430 | 1.0000 | 33.4444 | 3.7122 | 1.00000 |
| 1300 | 3.6874  | -2.5778 | 1.0000 | 33.7748 | 3.7452 | 1.00000 |
| 1400 | 3.7234  | -2.6100 | 1.0000 | 34.0859 | 3.7779 | 1.00000 |
| 1500 | 3.7571  | -2.6399 | 1.0000 | 34.3800 | 3.8105 | 1.00000 |
| 1500 | 3.7570  | -2.6400 | 1.0000 | 34.3803 | 3.8099 | 1.00001 |
| 1600 | 3.7888  | -2.6680 | 1.0000 | 34.6600 | 3.8429 | 1.00003 |
| 1700 | 3.8189  | -2.6943 | 1.0001 | 34.9277 | 3.8770 | 1.00009 |
| 1800 | 3.8478  | -2.7192 | 1.0003 | 35.1870 | 3.9132 | 1.00024 |
| 1900 | 3.8760  | -2.7429 | 1.0006 | 35.4422 | 3.9558 | 1.00060 |
| 2000 | 3.9041  | -2.7655 | 1.0014 | 35.6995 | 4.0091 | 1.00134 |
| 2100 | 3.9329  | -2.7873 | 1.0028 | 35.9676 | 4.0797 | 1.00277 |
| 2200 | 3.9635  | -2.8086 | 1.0053 | 36.2585 | 4.1792 | 1.00534 |
| 2300 | 3.9971  | -2.8298 | 1.0097 | 36.5869 | 4.3186 | 1.00909 |
| 2400 | 4.0347  | -2.8512 | 1.0166 | 36.9699 | 4.5137 | 1.01659 |
| 2500 | 4.0773  | -2.8733 | 1.0269 | 37.4244 | 4.7793 | 1.02694 |
| 2600 | 4.1246  | -2.8965 | 1.0415 | 37.9630 | 5.1239 | 1.04152 |
| 2700 | 4.1752  | -2.9208 | 1.0606 | 38.5848 | 5.5442 | 1.06060 |
| 2800 | 4.2268  | -2.9459 | 1.0837 | 39.2709 | 6.0206 | 1.08367 |
| 2900 | 4.2757  | -2.9711 | 1.1089 | 39.9763 | 6.5062 | 1.10890 |

|      |        |         |        |         |         |         |
|------|--------|---------|--------|---------|---------|---------|
| 3000 | 4.3187 | -2.9954 | 1.1335 | 40.6421 | 6.9436  | 1.13349 |
| 3100 | 4.3537 | -3.0177 | 1.1547 | 41.2144 | 7.2827  | 1.15469 |
| 3200 | 4.3806 | -3.0376 | 1.1711 | 41.6738 | 7.5069  | 1.17112 |
| 3300 | 4.4011 | -3.0553 | 1.1828 | 42.0308 | 7.6308  | 1.18284 |
| 3400 | 4.4171 | -3.0712 | 1.1909 | 42.3120 | 7.6836  | 1.19091 |
| 3500 | 4.4301 | -3.0858 | 1.1965 | 42.5435 | 7.6918  | 1.19650 |
| 3600 | 4.4416 | -3.0995 | 1.2006 | 42.7459 | 7.6779  | 1.20054 |
| 3700 | 4.4522 | -3.1126 | 1.2038 | 42.9338 | 7.6552  | 1.20375 |
| 3800 | 4.4626 | -3.1252 | 1.2066 | 43.1176 | 7.6356  | 1.20662 |
| 3900 | 4.4733 | -3.1375 | 1.2095 | 43.3051 | 7.6250  | 1.20954 |
| 4000 | 4.4846 | -3.1497 | 1.2128 | 43.5036 | 7.6300  | 1.21281 |
| 4100 | 4.4969 | -3.1618 | 1.2168 | 43.7200 | 7.6578  | 1.21675 |
| 4200 | 4.5105 | -3.1741 | 1.2217 | 43.9611 | 7.7136  | 1.22166 |
| 4300 | 4.5259 | -3.1865 | 1.2279 | 44.2350 | 7.8055  | 1.22791 |
| 4400 | 4.5432 | -3.1993 | 1.2358 | 44.5494 | 7.9386  | 1.23583 |
| 4500 | 4.5630 | -3.2126 | 1.2459 | 44.9143 | 8.1236  | 1.24589 |
| 4600 | 4.5853 | -3.2265 | 1.2585 | 45.3385 | 8.3665  | 1.25852 |
| 4700 | 4.6105 | -3.2412 | 1.2742 | 45.8328 | 8.6775  | 1.27423 |
| 4800 | 4.6387 | -3.2569 | 1.2936 | 46.4078 | 9.0658  | 1.29358 |
| 4900 | 4.6697 | -3.2737 | 1.3171 | 47.0732 | 9.5399  | 1.31710 |
| 5000 | 4.7039 | -3.2917 | 1.3454 | 47.8455 | 10.1147 | 1.34536 |
| 5100 | 4.7400 | -3.3108 | 1.3785 | 48.7127 | 10.7751 | 1.37853 |
| 5200 | 4.7778 | -3.3312 | 1.4169 | 49.6840 | 11.5301 | 1.41692 |
| 5300 | 4.8168 | -3.3526 | 1.4605 | 50.7546 | 12.3735 | 1.46046 |
| 5400 | 4.8559 | -3.3748 | 1.5086 | 51.9087 | 13.2880 | 1.50858 |
| 5500 | 4.8942 | -3.3975 | 1.5604 | 53.1239 | 14.2510 | 1.56036 |
| 5600 | 4.9307 | -3.4200 | 1.6141 | 54.3615 | 15.2229 | 1.61406 |
| 5700 | 4.9646 | -3.4419 | 1.6680 | 55.5859 | 16.1692 | 1.66801 |
| 5800 | 4.9951 | -3.4628 | 1.7200 | 56.7520 | 17.0464 | 1.72001 |
| 5900 | 5.0218 | -3.4823 | 1.7683 | 57.8263 | 17.8224 | 1.76828 |
| 6000 | 5.0446 | -3.5000 | 1.8112 | 58.7785 | 18.4690 | 1.81116 |
| 6100 | 5.0637 | -3.5159 | 1.8481 | 59.6005 | 18.9815 | 1.84807 |
| 6200 | 5.0794 | -3.5302 | 1.8789 | 60.2941 | 19.3632 | 1.87889 |
| 6300 | 5.0922 | -3.5429 | 1.9040 | 60.8711 | 19.6282 | 1.90401 |
| 6400 | 5.1027 | -3.5543 | 1.9241 | 61.3470 | 19.7936 | 1.92409 |
| 6500 | 5.1114 | -3.5646 | 1.9401 | 61.7426 | 19.8815 | 1.94011 |
| 6600 | 5.1186 | -3.5741 | 1.9528 | 62.0739 | 19.9090 | 1.95280 |
| 6700 | 5.1247 | -3.5828 | 1.9629 | 62.3554 | 19.8911 | 1.96286 |
| 6800 | 5.1301 | -3.5911 | 1.9710 | 62.6009 | 19.8422 | 1.97099 |
| 6900 | 5.1349 | -3.5989 | 1.9776 | 62.8194 | 19.7715 | 1.97764 |
| 7000 | 5.1393 | -3.6063 | 1.9833 | 63.0197 | 19.6879 | 1.98327 |
| 7100 | 5.1435 | -3.6136 | 1.9881 | 63.2074 | 19.5970 | 1.98815 |
| 7200 | 5.1475 | -3.6206 | 1.9926 | 63.3878 | 19.5039 | 1.99257 |
| 7300 | 5.1514 | -3.6275 | 1.9967 | 63.5646 | 19.4123 | 1.99672 |
| 7400 | 5.1554 | -3.6343 | 2.0008 | 63.7413 | 19.3255 | 2.00080 |
| 7500 | 5.1594 | -3.6410 | 2.0049 | 63.9204 | 19.2457 | 2.00492 |
| 7600 | 5.1636 | -3.6477 | 2.0092 | 64.1042 | 19.1751 | 2.00923 |
| 7700 | 5.1679 | -3.6544 | 2.0138 | 64.2946 | 19.1153 | 2.01381 |
| 7800 | 5.1724 | -3.6610 | 2.0187 | 64.4936 | 19.0680 | 2.01877 |
| 7900 | 5.1772 | -3.6677 | 2.0241 | 64.7028 | 19.0345 | 2.02421 |
| 8000 | 5.1822 | -3.6745 | 2.0301 | 64.9238 | 19.0162 | 2.03021 |
| 8100 | 5.1876 | -3.6813 | 2.0367 | 65.1581 | 19.0143 | 2.03685 |
| 8200 | 5.1933 | -3.6882 | 2.0441 | 65.4074 | 19.0303 | 2.04423 |
| 8300 | 5.1993 | -3.6952 | 2.0523 | 65.6731 | 19.0651 | 2.05243 |
| 8400 | 5.2058 | -3.7023 | 2.0613 | 65.9569 | 19.1203 | 2.06153 |
| 8500 | 5.2127 | -3.7095 | 2.0714 | 66.2601 | 19.1968 | 2.07164 |
| 8600 | 5.2200 | -3.7169 | 2.0825 | 66.5845 | 19.2962 | 2.08282 |
| 8700 | 5.2278 | -3.7245 | 2.0949 | 66.9317 | 19.4195 | 2.09521 |
| 8800 | 5.2360 | -3.7323 | 2.1085 | 67.3032 | 19.5684 | 2.10887 |
| 8900 | 5.2448 | -3.7403 | 2.1235 | 67.7006 | 19.7437 | 2.12390 |
| 9000 | 5.2541 | -3.7485 | 2.1399 | 68.1257 | 19.9471 | 2.14044 |
| 9100 | 5.2640 | -3.7569 | 2.1580 | 68.5800 | 20.1797 | 2.15857 |
| 9200 | 5.2743 | -3.7656 | 2.1777 | 69.0650 | 20.4427 | 2.17838 |
| 9300 | 5.2852 | -3.7746 | 2.1992 | 69.5822 | 20.7374 | 2.20000 |
| 9400 | 5.2967 | -3.7838 | 2.2226 | 70.1332 | 21.0649 | 2.22352 |
| 9500 | 5.3087 | -3.7934 | 2.2480 | 70.7191 | 21.4260 | 2.24902 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 9600  | 5.3212 | -3.8032 | 2.2754 | 71.3413  | 21.8218 | 2.27661 |
| 9700  | 5.3342 | -3.8133 | 2.3050 | 72.0007  | 22.2528 | 2.30638 |
| 9800  | 5.3476 | -3.8237 | 2.3369 | 72.6977  | 22.7195 | 2.33837 |
| 9900  | 5.3615 | -3.8344 | 2.3710 | 73.4336  | 23.2221 | 2.37270 |
| 10000 | 5.3759 | -3.8454 | 2.4075 | 74.2081  | 23.7606 | 2.40937 |
| 10100 | 5.3905 | -3.8567 | 2.4462 | 75.0204  | 24.3336 | 2.44838 |
| 10200 | 5.4055 | -3.8682 | 2.4874 | 75.8709  | 24.9414 | 2.48978 |
| 10300 | 5.4208 | -3.8800 | 2.5309 | 76.7568  | 25.5809 | 2.53346 |
| 10400 | 5.4362 | -3.8919 | 2.5766 | 77.6780  | 26.2517 | 2.57944 |
| 10500 | 5.4518 | -3.9041 | 2.6244 | 78.6307  | 26.9498 | 2.62756 |
| 10600 | 5.4674 | -3.9164 | 2.6743 | 79.6124  | 27.6726 | 2.67768 |
| 10700 | 5.4830 | -3.9288 | 2.7260 | 80.6194  | 28.4163 | 2.72964 |
| 10800 | 5.4985 | -3.9412 | 2.7792 | 81.6472  | 29.1762 | 2.78319 |
| 10900 | 5.5138 | -3.9536 | 2.8338 | 82.6900  | 29.9466 | 2.83804 |
| 11000 | 5.5289 | -3.9660 | 2.8893 | 83.7430  | 30.7228 | 2.89390 |
| 11100 | 5.5436 | -3.9784 | 2.9456 | 84.8010  | 31.4992 | 2.95050 |
| 11200 | 5.5580 | -3.9905 | 3.0022 | 85.8567  | 32.2689 | 3.00740 |
| 11300 | 5.5719 | -4.0025 | 3.0588 | 86.9038  | 33.0259 | 3.06424 |
| 11400 | 5.5854 | -4.0142 | 3.1149 | 87.9362  | 33.7641 | 3.12065 |
| 11500 | 5.5982 | -4.0257 | 3.1703 | 88.9488  | 34.4782 | 3.17629 |
| 11600 | 5.6105 | -4.0368 | 3.2244 | 89.9338  | 35.1618 | 3.23070 |
| 11700 | 5.6222 | -4.0475 | 3.2771 | 90.8879  | 35.8113 | 3.28363 |
| 11800 | 5.6332 | -4.0579 | 3.3280 | 91.8052  | 36.4212 | 3.33471 |
| 11900 | 5.6436 | -4.0679 | 3.3768 | 92.6835  | 36.9899 | 3.38376 |
| 12000 | 5.6534 | -4.0775 | 3.4235 | 93.5200  | 37.5147 | 3.43057 |
| 12100 | 5.6625 | -4.0867 | 3.4676 | 94.3114  | 37.9927 | 3.47490 |
| 12200 | 5.6710 | -4.0954 | 3.5093 | 95.0578  | 38.4248 | 3.51673 |
| 12300 | 5.6789 | -4.1038 | 3.5484 | 95.7585  | 38.8103 | 3.55594 |
| 12400 | 5.6862 | -4.1118 | 3.5849 | 96.4134  | 39.1497 | 3.59254 |
| 12500 | 5.6929 | -4.1193 | 3.6188 | 97.0245  | 39.4452 | 3.62655 |
| 12600 | 5.6991 | -4.1266 | 3.6502 | 97.5923  | 39.6977 | 3.65802 |
| 12700 | 5.7049 | -4.1334 | 3.6792 | 98.1193  | 39.9101 | 3.68704 |
| 12800 | 5.7102 | -4.1400 | 3.7058 | 98.6071  | 40.0840 | 3.71371 |
| 12900 | 5.7151 | -4.1462 | 3.7303 | 99.0583  | 40.2227 | 3.73814 |
| 13000 | 5.7196 | -4.1521 | 3.7526 | 99.4750  | 40.3283 | 3.76046 |
| 13100 | 5.7237 | -4.1578 | 3.7729 | 99.8595  | 40.4036 | 3.78080 |
| 13200 | 5.7275 | -4.1632 | 3.7915 | 100.2150 | 40.4517 | 3.79933 |
| 13300 | 5.7310 | -4.1684 | 3.8083 | 100.5435 | 40.4747 | 3.81616 |
| 13400 | 5.7343 | -4.1734 | 3.8236 | 100.8471 | 40.4751 | 3.83143 |
| 13500 | 5.7373 | -4.1782 | 3.8375 | 101.1282 | 40.4553 | 3.84526 |
| 13600 | 5.7401 | -4.1829 | 3.8501 | 101.3890 | 40.4176 | 3.85781 |
| 13700 | 5.7427 | -4.1873 | 3.8615 | 101.6310 | 40.3637 | 3.86915 |
| 13800 | 5.7451 | -4.1917 | 3.8718 | 101.8564 | 40.2956 | 3.87941 |
| 13900 | 5.7474 | -4.1958 | 3.8812 | 102.0662 | 40.2149 | 3.88868 |
| 14000 | 5.7497 | -4.1999 | 3.8896 | 102.2817 | 40.1424 | 3.89708 |
| 14100 | 5.7515 | -4.2038 | 3.8973 | 102.4467 | 40.0222 | 3.90468 |
| 14200 | 5.7534 | -4.2077 | 3.9042 | 102.6197 | 39.9127 | 3.91156 |
| 14300 | 5.7552 | -4.2114 | 3.9105 | 102.7826 | 39.7959 | 3.91778 |
| 14400 | 5.7569 | -4.2151 | 3.9162 | 102.9369 | 39.6732 | 3.92343 |
| 14500 | 5.7585 | -4.2187 | 3.9214 | 103.0827 | 39.5449 | 3.92853 |
| 14600 | 5.7600 | -4.2222 | 3.9261 | 103.2212 | 39.4122 | 3.93315 |
| 14700 | 5.7614 | -4.2256 | 3.9304 | 103.3534 | 39.2759 | 3.93737 |
| 14800 | 5.7628 | -4.2290 | 3.9343 | 103.4799 | 39.1364 | 3.94118 |
| 14900 | 5.7642 | -4.2323 | 3.9379 | 103.6008 | 38.9943 | 3.94467 |
| 15000 | 5.7655 | -4.2356 | 3.9411 | 103.7171 | 38.8503 | 3.94783 |

LCG P=-1.8

| T   | LOG F/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|-----|---------|---------|--------|---------|--------|---------|
| 100 | 2.5415  | -1.3636 | .9995  | 24.2271 | 3.4796 | 1.00000 |
| 200 | 2.8434  | -1.6649 | .9999  | 26.6465 | 3.4861 | 1.00000 |
| 300 | 3.0198  | -1.8410 | 1.0000 | 28.0644 | 3.4891 | 1.00000 |
| 400 | 3.1455  | -1.9659 | 1.0000 | 29.0746 | 3.4952 | 1.00000 |
| 500 | 3.2440  | -2.0628 | 1.0000 | 29.8665 | 3.5074 | 1.00000 |
| 600 | 3.3256  | -2.1420 | 1.0000 | 30.5283 | 3.5270 | 1.00000 |

|      |        |         |        |         |         |         |
|------|--------|---------|--------|---------|---------|---------|
| 700  | 3.3955 | -2.2089 | 1.0000 | 31.0995 | 3.5516  | 1.00000 |
| 800  | 3.4572 | -2.2670 | 1.0000 | 31.6044 | 3.5817  | 1.00000 |
| 900  | 3.5121 | -2.3181 | 1.0000 | 32.0603 | 3.6129  | 1.00000 |
| 1000 | 3.5619 | -2.3639 | 1.0000 | 32.4757 | 3.6467  | 1.00000 |
| 1100 | 3.6071 | -2.4052 | 1.0000 | 32.8580 | 3.6791  | 1.00000 |
| 1200 | 3.6488 | -2.4430 | 1.0000 | 33.2134 | 3.7122  | 1.00000 |
| 1300 | 3.6874 | -2.4778 | 1.0000 | 33.5443 | 3.7452  | 1.00000 |
| 1400 | 3.7234 | -2.5100 | 1.0000 | 33.8555 | 3.7779  | 1.00000 |
| 1500 | 3.7571 | -2.5400 | 1.0000 | 34.1495 | 3.8105  | 1.00000 |
| 1500 | 3.7570 | -2.5400 | 1.0000 | 34.1500 | 3.8098  | 1.00001 |
| 1600 | 3.7888 | -2.5680 | 1.0000 | 34.4296 | 3.8428  | 1.00003 |
| 1700 | 3.8189 | -2.5943 | 1.0001 | 34.6971 | 3.8766  | 1.00008 |
| 1800 | 3.8477 | -2.6192 | 1.0002 | 34.9558 | 3.9123  | 1.00021 |
| 1900 | 3.8758 | -2.6428 | 1.0005 | 35.2097 | 3.9537  | 1.00054 |
| 2000 | 3.9036 | -2.6654 | 1.0012 | 35.4645 | 4.0046  | 1.00119 |
| 2100 | 3.9319 | -2.6871 | 1.0025 | 35.7280 | 4.0709  | 1.00247 |
| 2200 | 3.9619 | -2.7083 | 1.0048 | 36.0111 | 4.1633  | 1.00476 |
| 2300 | 3.9943 | -2.7293 | 1.0087 | 36.3270 | 4.2910  | 1.00865 |
| 2400 | 4.0304 | -2.7505 | 1.0148 | 36.6915 | 4.4692  | 1.01484 |
| 2500 | 4.0711 | -2.7722 | 1.0242 | 37.1207 | 4.7116  | 1.02416 |
| 2600 | 4.1163 | -2.7948 | 1.0374 | 37.6273 | 5.0275  | 1.03740 |
| 2700 | 4.1651 | -2.8184 | 1.0549 | 38.2138 | 5.4168  | 1.05494 |
| 2800 | 4.2155 | -2.8430 | 1.0765 | 38.8680 | 5.8664  | 1.07653 |
| 2900 | 4.2644 | -2.8680 | 1.1008 | 39.5540 | 6.3382  | 1.10080 |
| 3000 | 4.3084 | -2.8923 | 1.1253 | 40.2197 | 6.7812  | 1.12533 |
| 3100 | 4.3453 | -2.9149 | 1.1474 | 40.8099 | 7.1433  | 1.14738 |
| 3200 | 4.3743 | -2.9354 | 1.1652 | 41.2966 | 7.3986  | 1.16519 |
| 3300 | 4.3966 | -2.9536 | 1.1783 | 41.6802 | 7.5521  | 1.17833 |
| 3400 | 4.4139 | -2.9700 | 1.1876 | 41.9822 | 7.6277  | 1.18758 |
| 3500 | 4.4278 | -2.9849 | 1.1940 | 42.2278 | 7.6514  | 1.19402 |
| 3600 | 4.4398 | -2.9988 | 1.1986 | 42.4386 | 7.6469  | 1.19863 |
| 3700 | 4.4507 | -3.0120 | 1.2022 | 42.6305 | 7.6289  | 1.20218 |
| 3800 | 4.4612 | -3.0247 | 1.2052 | 42.8147 | 7.6104  | 1.20522 |
| 3900 | 4.4718 | -3.0371 | 1.2082 | 42.9997 | 7.5979  | 1.20816 |
| 4000 | 4.4828 | -3.0492 | 1.2113 | 43.1926 | 7.5981  | 1.21133 |
| 4100 | 4.4946 | -3.0612 | 1.2150 | 43.4002 | 7.6179  | 1.21503 |
| 4200 | 4.5076 | -3.0733 | 1.2196 | 43.6290 | 7.6626  | 1.21955 |
| 4300 | 4.5222 | -3.0855 | 1.2252 | 43.8865 | 7.7393  | 1.22523 |
| 4400 | 4.5385 | -3.0981 | 1.2324 | 44.1795 | 7.8529  | 1.23240 |
| 4500 | 4.5570 | -3.1110 | 1.2415 | 44.5173 | 8.0130  | 1.24145 |
| 4600 | 4.5779 | -3.1245 | 1.2526 | 44.9079 | 8.2250  | 1.25280 |
| 4700 | 4.6014 | -3.1387 | 1.2669 | 45.3612 | 8.4985  | 1.26691 |
| 4800 | 4.6278 | -3.1538 | 1.2843 | 45.8872 | 8.8420  | 1.28430 |
| 4900 | 4.6570 | -3.1698 | 1.3055 | 46.4952 | 9.2637  | 1.30546 |
| 5000 | 4.6893 | -3.1870 | 1.3310 | 47.2017 | 9.7789  | 1.33096 |
| 5100 | 4.7235 | -3.2053 | 1.3610 | 47.9961 | 10.3738 | 1.36104 |
| 5200 | 4.7597 | -3.2248 | 1.3961 | 48.8895 | 11.0595 | 1.39605 |
| 5300 | 4.7974 | -3.2453 | 1.4361 | 49.8811 | 11.8335 | 1.43611 |
| 5400 | 4.8357 | -3.2668 | 1.4809 | 50.9606 | 12.6839 | 1.48087 |
| 5500 | 4.8737 | -3.2888 | 1.5298 | 52.1122 | 13.5947 | 1.52976 |
| 5600 | 4.9106 | -3.3111 | 1.5814 | 53.3043 | 14.5333 | 1.58137 |
| 5700 | 4.9454 | -3.3331 | 1.6344 | 54.5075 | 15.4709 | 1.63437 |
| 5800 | 4.9774 | -3.3543 | 1.6867 | 55.6799 | 16.3664 | 1.68672 |
| 5900 | 5.0060 | -3.3744 | 1.7367 | 56.7866 | 17.1861 | 1.73665 |
| 6000 | 5.0309 | -3.3930 | 1.7822 | 57.7915 | 17.8958 | 1.78224 |
| 6100 | 5.0521 | -3.4099 | 1.8225 | 58.6786 | 18.4820 | 1.82250 |
| 6200 | 5.0698 | -3.4250 | 1.8569 | 59.4409 | 18.9402 | 1.85693 |
| 6300 | 5.0844 | -3.4386 | 1.8856 | 60.0842 | 19.2776 | 1.88558 |
| 6400 | 5.0964 | -3.4508 | 1.9089 | 60.6195 | 19.5074 | 1.90888 |
| 6500 | 5.1063 | -3.4618 | 1.9277 | 61.0659 | 19.6502 | 1.92769 |
| 6600 | 5.1145 | -3.4718 | 1.9427 | 61.4387 | 19.7223 | 1.94271 |
| 6700 | 5.1214 | -3.4810 | 1.9547 | 61.7529 | 19.7398 | 1.95465 |
| 6800 | 5.1274 | -3.4896 | 1.9643 | 62.0236 | 19.7181 | 1.96427 |
| 6900 | 5.1326 | -3.4976 | 1.9721 | 62.2608 | 19.6677 | 1.97205 |
| 7000 | 5.1373 | -3.5053 | 1.9785 | 62.4744 | 19.5988 | 1.97853 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 7100  | 5.1417 | -3.5127 | 1.9840 | 62.6709  | 19.5178 | 1.98402 |
| 7200  | 5.1458 | -3.5198 | 1.9888 | 62.8564  | 19.4309 | 1.98886 |
| 7300  | 5.1498 | -3.5267 | 1.9933 | 63.0352  | 19.3424 | 1.99327 |
| 7400  | 5.1538 | -3.5336 | 1.9974 | 63.2114  | 19.2559 | 1.99746 |
| 7500  | 5.1578 | -3.5403 | 2.0015 | 63.3876  | 19.1742 | 2.00157 |
| 7600  | 5.1618 | -3.5469 | 2.0057 | 63.5663  | 19.0995 | 2.00576 |
| 7700  | 5.1660 | -3.5536 | 2.0101 | 63.7497  | 19.0337 | 2.01012 |
| 7800  | 5.1704 | -3.5602 | 2.0147 | 63.9397  | 18.9784 | 2.01476 |
| 7900  | 5.1749 | -3.5668 | 2.0197 | 64.1381  | 18.9353 | 2.01979 |
| 8000  | 5.1797 | -3.5734 | 2.0252 | 64.3464  | 18.9056 | 2.02528 |
| 8100  | 5.1847 | -3.5801 | 2.0312 | 64.5660  | 18.8905 | 2.03132 |
| 8200  | 5.1901 | -3.5868 | 2.0379 | 64.7986  | 18.8913 | 2.03799 |
| 8300  | 5.1958 | -3.5937 | 2.0452 | 65.0454  | 18.9091 | 2.04538 |
| 8400  | 5.2018 | -3.6006 | 2.0534 | 65.3081  | 18.9451 | 2.05356 |
| 8500  | 5.2082 | -3.6076 | 2.0624 | 65.5880  | 19.0006 | 2.06263 |
| 8600  | 5.2150 | -3.6148 | 2.0724 | 65.8865  | 19.0764 | 2.07266 |
| 8700  | 5.2222 | -3.6222 | 2.0834 | 66.2053  | 19.1741 | 2.08374 |
| 8800  | 5.2299 | -3.6296 | 2.0956 | 66.5456  | 19.2947 | 2.09596 |
| 8900  | 5.2381 | -3.6373 | 2.1090 | 66.9090  | 19.4393 | 2.10941 |
| 9000  | 5.2467 | -3.6452 | 2.1237 | 67.2970  | 19.6092 | 2.12421 |
| 9100  | 5.2558 | -3.6533 | 2.1398 | 67.7113  | 19.8057 | 2.14042 |
| 9200  | 5.2655 | -3.6616 | 2.1575 | 68.1529  | 20.0298 | 2.15815 |
| 9300  | 5.2756 | -3.6701 | 2.1767 | 68.6236  | 20.2826 | 2.17750 |
| 9400  | 5.2863 | -3.6790 | 2.1977 | 69.1248  | 20.5654 | 2.19857 |
| 9500  | 5.2974 | -3.6880 | 2.2204 | 69.6575  | 20.8789 | 2.22143 |
| 9600  | 5.3091 | -3.6974 | 2.2450 | 70.2232  | 21.2243 | 2.24620 |
| 9700  | 5.3213 | -3.7070 | 2.2717 | 70.8230  | 21.6022 | 2.27295 |
| 9800  | 5.3339 | -3.7169 | 2.3003 | 71.4574  | 22.0130 | 2.30175 |
| 9900  | 5.3470 | -3.7271 | 2.3311 | 72.1277  | 22.4576 | 2.33270 |
| 10000 | 5.3605 | -3.7375 | 2.3640 | 72.8342  | 22.9360 | 2.36534 |
| 10100 | 5.3744 | -3.7482 | 2.3991 | 73.5764  | 23.4475 | 2.40117 |
| 10200 | 5.3887 | -3.7592 | 2.4365 | 74.3553  | 23.9926 | 2.43879 |
| 10300 | 5.4032 | -3.7705 | 2.4761 | 75.1687  | 24.5693 | 2.47861 |
| 10400 | 5.4181 | -3.7819 | 2.5179 | 76.0172  | 25.1775 | 2.52069 |
| 10500 | 5.4331 | -3.7936 | 2.5619 | 76.8981  | 25.8143 | 2.56492 |
| 10600 | 5.4482 | -3.8055 | 2.6079 | 77.8099  | 26.4784 | 2.61124 |
| 10700 | 5.4634 | -3.8175 | 2.6559 | 78.7500  | 27.1665 | 2.65952 |
| 10800 | 5.4787 | -3.8296 | 2.7057 | 79.7150  | 27.8755 | 2.70950 |
| 10900 | 5.4938 | -3.8417 | 2.7570 | 80.7003  | 28.6005 | 2.76125 |
| 11000 | 5.5088 | -3.8539 | 2.8097 | 81.7022  | 29.3378 | 2.81427 |
| 11100 | 5.5236 | -3.8661 | 2.8636 | 82.7163  | 30.0828 | 2.86841 |
| 11200 | 5.5382 | -3.8782 | 2.9181 | 83.7363  | 30.8295 | 2.92331 |
| 11300 | 5.5524 | -3.8902 | 2.9732 | 84.7567  | 31.5726 | 2.97867 |
| 11400 | 5.5662 | -3.9020 | 3.0283 | 85.7718  | 32.3063 | 3.03414 |
| 11500 | 5.5796 | -3.9136 | 3.0833 | 86.7770  | 33.0259 | 3.08943 |
| 11600 | 5.5924 | -3.9249 | 3.1377 | 87.7644  | 33.7245 | 3.14408 |
| 11700 | 5.6047 | -3.9360 | 3.1912 | 88.7308  | 34.3984 | 3.19784 |
| 11800 | 5.6165 | -3.9467 | 3.2434 | 89.6692  | 35.0416 | 3.25030 |
| 11900 | 5.6276 | -3.9571 | 3.2941 | 90.5768  | 35.6510 | 3.30124 |
| 12000 | 5.6382 | -3.9672 | 3.3430 | 91.4500  | 36.2236 | 3.35042 |
| 12100 | 5.6481 | -3.9768 | 3.3899 | 92.2842  | 36.7551 | 3.39752 |
| 12200 | 5.6574 | -3.9861 | 3.4346 | 93.0786  | 37.2450 | 3.44244 |
| 12300 | 5.6662 | -3.9950 | 3.4770 | 93.8309  | 37.6916 | 3.48501 |
| 12400 | 5.6743 | -4.0035 | 3.5170 | 94.5401  | 38.0939 | 3.52514 |
| 12500 | 5.6818 | -4.0116 | 3.5546 | 95.2065  | 38.4530 | 3.56279 |
| 12600 | 5.6889 | -4.0193 | 3.5896 | 95.8304  | 38.7694 | 3.59796 |
| 12700 | 5.6954 | -4.0266 | 3.6223 | 96.4133  | 39.0446 | 3.63069 |
| 12800 | 5.7014 | -4.0337 | 3.6525 | 96.9559  | 39.2800 | 3.66101 |
| 12900 | 5.7070 | -4.0404 | 3.6805 | 97.4604  | 39.4780 | 3.68903 |
| 13000 | 5.7121 | -4.0467 | 3.7062 | 97.9282  | 39.6405 | 3.71480 |
| 13100 | 5.7168 | -4.0528 | 3.7299 | 98.3617  | 39.7698 | 3.73846 |
| 13200 | 5.7212 | -4.0587 | 3.7516 | 98.7634  | 39.8686 | 3.76015 |
| 13300 | 5.7253 | -4.0642 | 3.7714 | 99.1353  | 39.9395 | 3.77997 |
| 13400 | 5.7290 | -4.0695 | 3.7895 | 99.4797  | 39.9844 | 3.79607 |
| 13500 | 5.7325 | -4.0747 | 3.8060 | 99.7988  | 40.0061 | 3.81455 |
| 13600 | 5.7357 | -4.0796 | 3.8211 | 100.0946 | 40.0067 | 3.82955 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 13700 | 5.7387 | -4.0843 | 3.8347 | 100.3690 | 39.9881 | 3.84318 |
| 13800 | 5.7414 | -4.0889 | 3.8472 | 100.6242 | 39.9524 | 3.85556 |
| 13900 | 5.7440 | -4.0933 | 3.8585 | 100.8615 | 39.9015 | 3.86679 |
| 14000 | 5.7466 | -4.0976 | 3.8687 | 101.1017 | 39.8559 | 3.87699 |
| 14100 | 5.7487 | -4.1017 | 3.8780 | 101.2898 | 39.7608 | 3.88625 |
| 14200 | 5.7508 | -4.1057 | 3.8865 | 101.4838 | 39.6739 | 3.89464 |
| 14300 | 5.7528 | -4.1096 | 3.8942 | 101.6656 | 39.5778 | 3.90225 |
| 14400 | 5.7547 | -4.1134 | 3.9012 | 101.8371 | 39.4736 | 3.90917 |
| 14500 | 5.7565 | -4.1171 | 3.9075 | 101.9987 | 39.3624 | 3.91544 |
| 14600 | 5.7581 | -4.1208 | 3.9133 | 102.1513 | 39.2451 | 3.92112 |
| 14700 | 5.7598 | -4.1243 | 3.9186 | 102.2965 | 39.1227 | 3.92630 |
| 14800 | 5.7613 | -4.1278 | 3.9233 | 102.4346 | 38.9959 | 3.93101 |
| 14900 | 5.7628 | -4.1312 | 3.9277 | 102.5660 | 38.8652 | 3.93529 |
| 15000 | 5.7642 | -4.1345 | 3.9317 | 102.6919 | 38.7315 | 3.93919 |

LOG P=-1.7

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5415  | -1.2636 | .9993  | 23.9965 | 3.4792 | 1.00000 |
| 200  | 2.8434  | -1.5648 | .9999  | 26.4160 | 3.4860 | 1.00000 |
| 300  | 3.0198  | -1.7409 | 1.0000 | 27.8338 | 3.4891 | 1.00000 |
| 400  | 3.1455  | -1.8659 | 1.0000 | 28.8446 | 3.4952 | 1.00000 |
| 500  | 3.2440  | -1.9628 | 1.0000 | 29.6383 | 3.5074 | 1.00000 |
| 600  | 3.3256  | -2.0420 | 1.0000 | 30.2977 | 3.5270 | 1.00000 |
| 700  | 3.3955  | -2.1089 | 1.0000 | 30.8691 | 3.5516 | 1.00000 |
| 800  | 3.4572  | -2.1670 | 1.0000 | 31.3740 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -2.2181 | 1.0000 | 31.8298 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -2.2639 | 1.0000 | 32.2453 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -2.3052 | 1.0000 | 32.6275 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -2.3430 | 1.0000 | 32.9829 | 3.7122 | 1.00000 |
| 1300 | 3.6874  | -2.3778 | 1.0000 | 33.3139 | 3.7452 | 1.00000 |
| 1400 | 3.7234  | -2.4100 | 1.0000 | 33.6250 | 3.7778 | 1.00000 |
| 1500 | 3.7571  | -2.4399 | 1.0000 | 33.9190 | 3.8104 | 1.00000 |
| 1500 | 3.7570  | -2.4400 | 1.0000 | 33.9197 | 3.8098 | 1.00001 |
| 1600 | 3.7888  | -2.4680 | 1.0000 | 34.1992 | 3.8427 | 1.00002 |
| 1700 | 3.8189  | -2.4943 | 1.0001 | 34.4665 | 3.8763 | 1.00007 |
| 1800 | 3.8476  | -2.5192 | 1.0002 | 34.7247 | 3.9115 | 1.00019 |
| 1900 | 3.8756  | -2.5428 | 1.0005 | 34.9775 | 3.9518 | 1.00048 |
| 2000 | 3.9032  | -2.5654 | 1.0011 | 35.2300 | 4.0007 | 1.00107 |
| 2100 | 3.9311  | -2.5870 | 1.0022 | 35.4895 | 4.0632 | 1.00220 |
| 2200 | 3.9604  | -2.6081 | 1.0043 | 35.7655 | 4.1490 | 1.00425 |
| 2300 | 3.9918  | -2.6289 | 1.0077 | 36.0703 | 4.2665 | 1.00773 |
| 2400 | 4.0266  | -2.6498 | 1.0133 | 36.4181 | 4.4293 | 1.01328 |
| 2500 | 4.0654  | -2.6711 | 1.0217 | 36.8241 | 4.6505 | 1.02166 |
| 2600 | 4.1087  | -2.6932 | 1.0337 | 37.3011 | 4.9398 | 1.03364 |
| 2700 | 4.1556  | -2.7163 | 1.0497 | 37.8539 | 5.2991 | 1.04970 |
| 2800 | 4.2046  | -2.7403 | 1.0698 | 38.4754 | 5.7209 | 1.06980 |
| 2900 | 4.2530  | -2.7649 | 1.0929 | 39.1379 | 6.1748 | 1.09293 |
| 3000 | 4.2978  | -2.7891 | 1.1171 | 39.7973 | 6.6170 | 1.11709 |
| 3100 | 4.3362  | -2.8120 | 1.1397 | 40.3996 | 6.9963 | 1.13970 |
| 3200 | 4.3673  | -2.8330 | 1.1587 | 40.9103 | 7.2798 | 1.15871 |
| 3300 | 4.3914  | -2.8518 | 1.1733 | 41.3205 | 7.4630 | 1.17326 |
| 3400 | 4.4102  | -2.8686 | 1.1838 | 41.6450 | 7.5635 | 1.18377 |
| 3500 | 4.4252  | -2.8839 | 1.1912 | 41.9067 | 7.6049 | 1.19116 |
| 3600 | 4.4378  | -2.8981 | 1.1965 | 42.1278 | 7.6118 | 1.19644 |
| 3700 | 4.4490  | -2.9114 | 1.2004 | 42.3251 | 7.6002 | 1.20041 |
| 3800 | 4.4597  | -2.9242 | 1.2037 | 42.5111 | 7.5842 | 1.20370 |
| 3900 | 4.4702  | -2.9365 | 1.2067 | 42.6947 | 7.5709 | 1.20672 |
| 4000 | 4.4810  | -2.9486 | 1.2098 | 42.8833 | 7.5675 | 1.20983 |
| 4100 | 4.4925  | -2.9606 | 1.2134 | 43.0835 | 7.5809 | 1.21336 |
| 4200 | 4.5050  | -2.9726 | 1.2176 | 43.3016 | 7.6158 | 1.21755 |
| 4300 | 4.5188  | -2.9847 | 1.2228 | 43.5446 | 7.6793 | 1.22275 |
| 4400 | 4.5342  | -2.9970 | 1.2293 | 43.8187 | 7.7755 | 1.22925 |
| 4500 | 4.5516  | -3.0096 | 1.2374 | 44.1323 | 7.9134 | 1.23741 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 4600  | 4.5711 | -3.0227 | 1.2476 | 44.4930 | 8.0979  | 1.24762 |
| 4700  | 4.5931 | -3.0364 | 1.2603 | 44.9095 | 8.3377  | 1.26030 |
| 4800  | 4.6173 | -3.0509 | 1.2759 | 45.3913 | 8.6409  | 1.27593 |
| 4900  | 4.6452 | -3.0663 | 1.2950 | 45.9471 | 9.0151  | 1.29496 |
| 5000  | 4.6756 | -3.0827 | 1.3179 | 46.5934 | 9.4756  | 1.31794 |
| 5100  | 4.7080 | -3.1002 | 1.3451 | 47.3204 | 10.0097 | 1.34514 |
| 5200  | 4.7425 | -3.1188 | 1.3770 | 48.1404 | 10.6296 | 1.37697 |
| 5300  | 4.7787 | -3.1385 | 1.4136 | 49.0552 | 11.3357 | 1.41364 |
| 5400  | 4.8159 | -3.1591 | 1.4550 | 50.0589 | 12.1203 | 1.45499 |
| 5500  | 4.8534 | -3.1805 | 1.5007 | 51.1412 | 12.9729 | 1.50073 |
| 5600  | 4.8902 | -3.2023 | 1.5498 | 52.2777 | 13.8677 | 1.54978 |
| 5700  | 4.9256 | -3.2242 | 1.6011 | 53.4457 | 14.7818 | 1.60114 |
| 5800  | 4.9587 | -3.2456 | 1.6530 | 54.6072 | 15.6783 | 1.65302 |
| 5900  | 4.9890 | -3.2661 | 1.7038 | 55.7290 | 16.5245 | 1.70375 |
| 6000  | 5.0156 | -3.2854 | 1.7513 | 56.7719 | 17.2828 | 1.75129 |
| 6100  | 5.0390 | -3.3031 | 1.7944 | 57.7141 | 17.9339 | 1.79442 |
| 6200  | 5.0587 | -3.3192 | 1.8322 | 58.5411 | 18.4651 | 1.83224 |
| 6300  | 5.0753 | -3.3338 | 1.8645 | 59.2511 | 18.8763 | 1.86445 |
| 6400  | 5.0989 | -3.3468 | 1.8912 | 59.8493 | 19.1747 | 1.89115 |
| 6500  | 5.1002 | -3.3585 | 1.9130 | 60.3516 | 19.3781 | 1.91304 |
| 6600  | 5.1096 | -3.3691 | 1.9307 | 60.7717 | 19.5012 | 1.93070 |
| 6700  | 5.1174 | -3.3788 | 1.9448 | 61.1243 | 19.5600 | 1.94483 |
| 6800  | 5.1241 | -3.3878 | 1.9562 | 61.4254 | 19.5712 | 1.95622 |
| 6900  | 5.1299 | -3.3962 | 1.9654 | 61.6858 | 19.5460 | 1.96540 |
| 7000  | 5.1350 | -3.4041 | 1.9729 | 61.9167 | 19.4959 | 1.97295 |
| 7100  | 5.1397 | -3.4116 | 1.9793 | 62.1255 | 19.4287 | 1.97926 |
| 7200  | 5.1440 | -3.4189 | 1.9847 | 62.3191 | 19.3511 | 1.98468 |
| 7300  | 5.1482 | -3.4259 | 1.9895 | 62.5025 | 19.2681 | 1.98947 |
| 7400  | 5.1522 | -3.4328 | 1.9939 | 62.6804 | 19.1845 | 1.99390 |
| 7500  | 5.1562 | -3.4395 | 1.9981 | 62.8557 | 19.1028 | 1.99812 |
| 7600  | 5.1602 | -3.4462 | 2.0022 | 63.0314 | 19.0259 | 2.00228 |
| 7700  | 5.1642 | -3.4528 | 2.0065 | 63.2096 | 18.9559 | 2.00651 |
| 7800  | 5.1684 | -3.4593 | 2.0109 | 63.3925 | 18.8946 | 2.01093 |
| 7900  | 5.1728 | -3.4659 | 2.0156 | 63.5819 | 18.8436 | 2.01564 |
| 8000  | 5.1774 | -3.4724 | 2.0206 | 63.7793 | 18.8044 | 2.02071 |
| 8100  | 5.1821 | -3.4790 | 2.0261 | 63.9863 | 18.7780 | 2.02625 |
| 8200  | 5.1872 | -3.4856 | 2.0322 | 64.2043 | 18.7656 | 2.03231 |
| 8300  | 5.1925 | -3.4923 | 2.0389 | 64.4346 | 18.7685 | 2.03899 |
| 8400  | 5.1982 | -3.4991 | 2.0462 | 64.6787 | 18.7877 | 2.04637 |
| 8500  | 5.2041 | -3.5059 | 2.0543 | 64.9379 | 18.8244 | 2.05452 |
| 8600  | 5.2105 | -3.5129 | 2.0633 | 65.2135 | 18.8796 | 2.06352 |
| 8700  | 5.2172 | -3.5200 | 2.0732 | 65.5070 | 18.9543 | 2.07346 |
| 8800  | 5.2244 | -3.5272 | 2.0840 | 65.8195 | 19.0497 | 2.08440 |
| 8900  | 5.2319 | -3.5346 | 2.0960 | 66.1526 | 19.1670 | 2.09644 |
| 9000  | 5.2400 | -3.5422 | 2.1092 | 66.5076 | 19.3071 | 2.10968 |
| 9100  | 5.2484 | -3.5500 | 2.1236 | 66.8860 | 19.4712 | 2.12418 |
| 9200  | 5.2574 | -3.5579 | 2.1394 | 67.2889 | 19.6603 | 2.14004 |
| 9300  | 5.2668 | -3.5661 | 2.1566 | 67.7177 | 19.8755 | 2.15736 |
| 9400  | 5.2767 | -3.5745 | 2.1754 | 68.1741 | 20.1180 | 2.17622 |
| 9500  | 5.2871 | -3.5832 | 2.1957 | 68.6588 | 20.3884 | 2.19670 |
| 9600  | 5.2980 | -3.5921 | 2.2178 | 69.1734 | 20.6880 | 2.21892 |
| 9700  | 5.3094 | -3.6012 | 2.2417 | 69.7189 | 21.0174 | 2.24292 |
| 9800  | 5.3212 | -3.6106 | 2.2674 | 70.2960 | 21.3772 | 2.26880 |
| 9900  | 5.3335 | -3.6203 | 2.2951 | 70.9062 | 21.7684 | 2.29665 |
| 10000 | 5.3462 | -3.6302 | 2.3248 | 71.5498 | 22.1912 | 2.32652 |
| 10100 | 5.3593 | -3.6404 | 2.3565 | 72.2268 | 22.6453 | 2.35844 |
| 10200 | 5.3728 | -3.6509 | 2.3903 | 72.9384 | 23.1314 | 2.39251 |
| 10300 | 5.3866 | -3.6616 | 2.4263 | 73.6833 | 23.6481 | 2.42867 |
| 10400 | 5.4008 | -3.6726 | 2.4643 | 74.4621 | 24.1959 | 2.46701 |
| 10500 | 5.4152 | -3.6838 | 2.5045 | 75.2731 | 24.7726 | 2.50745 |
| 10600 | 5.4298 | -3.6952 | 2.5468 | 76.1155 | 25.3772 | 2.54998 |
| 10700 | 5.4445 | -3.7067 | 2.5910 | 76.9874 | 26.0079 | 2.59451 |
| 10800 | 5.4593 | -3.7184 | 2.6371 | 77.8864 | 26.6619 | 2.64094 |
| 10900 | 5.4742 | -3.7302 | 2.6850 | 78.8093 | 27.3360 | 2.68912 |
| 11000 | 5.4890 | -3.7421 | 2.7344 | 79.7530 | 28.0269 | 2.73888 |
| 11100 | 5.5037 | -3.7540 | 2.7853 | 80.7144 | 28.7315 | 2.79006 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 11200 | 5.5182 | -3.7660 | 2.8372 | 81.6881  | 29.4444 | 2.84234 |
| 11300 | 5.5325 | -3.7778 | 2.8900 | 82.6698  | 30.1613 | 2.89550 |
| 11400 | 5.5465 | -3.7896 | 2.9435 | 83.6544  | 30.8772 | 2.94927 |
| 11500 | 5.5602 | -3.8013 | 2.9972 | 84.6379  | 31.5879 | 3.00334 |
| 11600 | 5.5735 | -3.8127 | 3.0509 | 85.6131  | 32.2865 | 3.05735 |
| 11700 | 5.5863 | -3.8240 | 3.1042 | 86.5768  | 32.9696 | 3.11103 |
| 11800 | 5.5986 | -3.8350 | 3.1569 | 87.5212  | 33.6306 | 3.16395 |
| 11900 | 5.6104 | -3.8457 | 3.2085 | 88.4435  | 34.2663 | 3.21589 |
| 12000 | 5.6217 | -3.8561 | 3.2589 | 89.3395  | 34.8729 | 3.26657 |
| 12100 | 5.6324 | -3.8662 | 3.3077 | 90.2038  | 35.4455 | 3.31563 |
| 12200 | 5.6425 | -3.8759 | 3.3548 | 91.0348  | 35.9826 | 3.36294 |
| 12300 | 5.6520 | -3.8852 | 3.3999 | 91.8290  | 36.4811 | 3.40826 |
| 12400 | 5.6609 | -3.8942 | 3.4429 | 92.5846  | 36.9397 | 3.45143 |
| 12500 | 5.6693 | -3.9028 | 3.4837 | 93.3011  | 37.3579 | 3.49238 |
| 12600 | 5.6771 | -3.9110 | 3.5221 | 93.9773  | 37.7350 | 3.53101 |
| 12700 | 5.6844 | -3.9189 | 3.5583 | 94.6139  | 38.0719 | 3.56732 |
| 12800 | 5.6912 | -3.9264 | 3.5922 | 95.2105  | 38.3688 | 3.60125 |
| 12900 | 5.6975 | -3.9336 | 3.6237 | 95.7688  | 38.6275 | 3.63289 |
| 13000 | 5.7033 | -3.9405 | 3.6530 | 96.2894  | 38.8489 | 3.66224 |
| 13100 | 5.7087 | -3.9470 | 3.6801 | 96.7740  | 39.0352 | 3.68939 |
| 13200 | 5.7137 | -3.9532 | 3.7051 | 97.2250  | 39.1888 | 3.71445 |
| 13300 | 5.7184 | -3.9592 | 3.7282 | 97.6439  | 39.3115 | 3.73752 |
| 13400 | 5.7227 | -3.9649 | 3.7494 | 98.0328  | 39.4055 | 3.75869 |
| 13500 | 5.7266 | -3.9704 | 3.7688 | 98.3939  | 39.4733 | 3.77811 |
| 13600 | 5.7303 | -3.9756 | 3.7866 | 98.7291  | 39.5168 | 3.79587 |
| 13700 | 5.7337 | -3.9807 | 3.8028 | 99.0400  | 39.5383 | 3.81208 |
| 13800 | 5.7369 | -3.9855 | 3.8176 | 99.3292  | 39.5398 | 3.82687 |
| 13900 | 5.7399 | -3.9902 | 3.8312 | 99.5980  | 39.5231 | 3.84036 |
| 14000 | 5.7428 | -3.9947 | 3.8435 | 99.8669  | 39.5089 | 3.85264 |
| 14100 | 5.7452 | -3.9991 | 3.8548 | 100.0819 | 39.4430 | 3.86383 |
| 14200 | 5.7476 | -4.0033 | 3.8650 | 100.3004 | 39.3828 | 3.87400 |
| 14300 | 5.7499 | -4.0074 | 3.8743 | 100.5046 | 39.3111 | 3.88326 |
| 14400 | 5.7520 | -4.0114 | 3.8828 | 100.6967 | 39.2293 | 3.89169 |
| 14500 | 5.7540 | -4.0152 | 3.8906 | 100.8771 | 39.1385 | 3.89935 |
| 14600 | 5.7559 | -4.0190 | 3.8976 | 101.0468 | 39.0397 | 3.90631 |
| 14700 | 5.7577 | -4.0227 | 3.9041 | 101.2076 | 38.9344 | 3.91266 |
| 14800 | 5.7594 | -4.0263 | 3.9099 | 101.3599 | 38.8229 | 3.91845 |
| 14900 | 5.7610 | -4.0298 | 3.9153 | 101.5043 | 38.7064 | 3.92372 |
| 15000 | 5.7625 | -4.0333 | 3.9202 | 101.6418 | 38.5855 | 3.92852 |

LCG P=-1.6

| T    | LOG H/R | LOG RHC | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5414  | -1.1635 | .9991  | 23.7658 | 3.4787 | 1.00000 |
| 200  | 2.8433  | -1.4648 | .9999  | 26.1855 | 3.4859 | 1.00000 |
| 300  | 3.0198  | -1.6410 | 1.0000 | 27.6034 | 3.4890 | 1.00000 |
| 400  | 3.1455  | -1.7659 | 1.0000 | 28.6144 | 3.4952 | 1.00000 |
| 500  | 3.2440  | -1.8628 | 1.0000 | 29.4077 | 3.5074 | 1.00000 |
| 600  | 3.3256  | -1.9420 | 1.0000 | 30.0676 | 3.5270 | 1.00000 |
| 700  | 3.3955  | -2.0089 | 1.0000 | 30.6386 | 3.5516 | 1.00000 |
| 800  | 3.4572  | -2.0670 | 1.0000 | 31.1441 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -2.1181 | 1.0000 | 31.5997 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -2.1639 | 1.0000 | 32.0147 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -2.2052 | 1.0000 | 32.3970 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -2.2430 | 1.0000 | 32.7529 | 3.7122 | 1.00000 |
| 1300 | 3.6874  | -2.2778 | 1.0000 | 33.0839 | 3.7452 | 1.00000 |
| 1400 | 3.7234  | -2.3100 | 1.0000 | 33.3949 | 3.7778 | 1.00000 |
| 1500 | 3.7571  | -2.3399 | 1.0000 | 33.6888 | 3.8103 | 1.00000 |
| 1500 | 3.7570  | -2.3400 | 1.0000 | 33.6894 | 3.8098 | 1.00001 |
| 1600 | 3.7888  | -2.3680 | 1.0000 | 33.9688 | 3.8426 | 1.00002 |
| 1700 | 3.8188  | -2.3943 | 1.0001 | 34.2360 | 3.8760 | 1.00006 |
| 1800 | 3.8475  | -2.4192 | 1.0002 | 34.4937 | 3.9107 | 1.00017 |
| 1900 | 3.8754  | -2.4428 | 1.0004 | 34.7454 | 3.9502 | 1.00042 |
| 2000 | 3.9028  | -2.4653 | 1.0010 | 34.9960 | 3.9971 | 1.00095 |

|      |        |         |        |         |         |         |
|------|--------|---------|--------|---------|---------|---------|
| 2100 | 3.9303 | -2.4869 | 1.0020 | 35.2518 | 4.0562  | 1.00196 |
| 2200 | 3.9590 | -2.5079 | 1.0038 | 35.5215 | 4.1362  | 1.00379 |
| 2300 | 3.9896 | -2.5286 | 1.0069 | 35.8163 | 4.2444  | 1.00690 |
| 2400 | 4.0230 | -2.5492 | 1.0119 | 36.1492 | 4.3935  | 1.01187 |
| 2500 | 4.0603 | -2.5702 | 1.0194 | 36.5341 | 4.5955  | 1.01941 |
| 2600 | 4.1016 | -2.5918 | 1.0303 | 36.9337 | 4.8600  | 1.03024 |
| 2700 | 4.1466 | -2.6143 | 1.0449 | 37.5045 | 5.1909  | 1.04488 |
| 2800 | 4.1941 | -2.6378 | 1.0635 | 38.0934 | 5.5845  | 1.06349 |
| 2900 | 4.2418 | -2.6618 | 1.0854 | 38.7299 | 6.0175  | 1.08538 |
| 3000 | 4.2869 | -2.6859 | 1.1089 | 39.3773 | 6.4532  | 1.10888 |
| 3100 | 4.3266 | -2.7090 | 1.1317 | 39.9852 | 6.8434  | 1.13172 |
| 3200 | 4.3595 | -2.7304 | 1.1517 | 40.5158 | 7.1513  | 1.15172 |
| 3300 | 4.3856 | -2.7497 | 1.1676 | 40.9515 | 7.3635  | 1.16761 |
| 3400 | 4.4060 | -2.7670 | 1.1794 | 41.2996 | 7.4902  | 1.17943 |
| 3500 | 4.4221 | -2.7827 | 1.1879 | 41.5794 | 7.5514  | 1.18788 |
| 3600 | 4.4355 | -2.7971 | 1.1939 | 41.8126 | 7.5718  | 1.19393 |
| 3700 | 4.4472 | -2.8107 | 1.1984 | 42.0171 | 7.5684  | 1.19842 |
| 3800 | 4.4581 | -2.8235 | 1.2020 | 42.2062 | 7.5562  | 1.20201 |
| 3900 | 4.4686 | -2.8360 | 1.2052 | 42.3896 | 7.5435  | 1.20518 |
| 4000 | 4.4793 | -2.8481 | 1.2083 | 42.5751 | 7.5377  | 1.20830 |
| 4100 | 4.4905 | -2.8600 | 1.2117 | 42.7693 | 7.5459  | 1.21170 |
| 4200 | 4.5025 | -2.8719 | 1.2156 | 42.9783 | 7.5725  | 1.21564 |
| 4300 | 4.5157 | -2.8838 | 1.2204 | 43.2085 | 7.6245  | 1.22042 |
| 4400 | 4.5303 | -2.8959 | 1.2263 | 43.4658 | 7.7054  | 1.22634 |
| 4500 | 4.5466 | -2.9083 | 1.2337 | 43.7580 | 7.8236  | 1.23372 |
| 4600 | 4.5650 | -2.9211 | 1.2429 | 44.0919 | 7.9835  | 1.24292 |
| 4700 | 4.5856 | -2.9344 | 1.2543 | 44.4756 | 8.1932  | 1.25432 |
| 4800 | 4.6086 | -2.9483 | 1.2684 | 44.9176 | 8.4600  | 1.26835 |
| 4900 | 4.6343 | -2.9631 | 1.2855 | 45.4263 | 8.7914  | 1.28548 |
| 5000 | 4.6629 | -2.9788 | 1.3062 | 46.0178 | 9.2020  | 1.30616 |
| 5100 | 4.6934 | -2.9955 | 1.3307 | 46.6826 | 9.6798  | 1.33072 |
| 5200 | 4.7262 | -3.0133 | 1.3596 | 47.4341 | 10.2382 | 1.35958 |
| 5300 | 4.7609 | -3.0321 | 1.3930 | 48.2753 | 10.8791 | 1.39301 |
| 5400 | 4.7965 | -3.0519 | 1.4310 | 49.2047 | 11.5983 | 1.43102 |
| 5500 | 4.8334 | -3.0726 | 1.4735 | 50.2157 | 12.3896 | 1.47350 |
| 5600 | 4.8699 | -3.0938 | 1.5197 | 51.2901 | 13.2332 | 1.51968 |
| 5700 | 4.9055 | -3.1153 | 1.5688 | 52.4108 | 14.1117 | 1.56883 |
| 5800 | 4.9393 | -3.1367 | 1.6195 | 53.5460 | 14.9937 | 1.61949 |
| 5900 | 4.9709 | -3.1575 | 1.6702 | 54.6658 | 15.8497 | 1.67017 |
| 6000 | 4.9993 | -3.1773 | 1.7189 | 55.7310 | 16.6415 | 1.71890 |
| 6100 | 5.0245 | -3.1958 | 1.7643 | 56.7160 | 17.3455 | 1.76426 |
| 6200 | 5.0463 | -3.2127 | 1.8051 | 57.5996 | 17.9423 | 1.80506 |
| 6300 | 5.0647 | -3.2282 | 1.8407 | 58.3729 | 18.4247 | 1.84066 |
| 6400 | 5.0802 | -3.2421 | 1.8708 | 59.0345 | 18.7931 | 1.87078 |
| 6500 | 5.0931 | -3.2546 | 1.8959 | 59.5962 | 19.0613 | 1.89592 |
| 6600 | 5.1038 | -3.2659 | 1.9165 | 60.0686 | 19.2417 | 1.91651 |
| 6700 | 5.1127 | -3.2762 | 1.9331 | 60.4652 | 19.3476 | 1.93314 |
| 6800 | 5.1203 | -3.2856 | 1.9466 | 60.8023 | 19.3976 | 1.94662 |
| 6900 | 5.1267 | -3.2944 | 1.9575 | 61.0910 | 19.4029 | 1.95748 |
| 7000 | 5.1324 | -3.3026 | 1.9664 | 61.3438 | 19.3766 | 1.96637 |
| 7100 | 5.1374 | -3.3104 | 1.9737 | 61.5686 | 19.3269 | 1.97369 |
| 7200 | 5.1420 | -3.3178 | 1.9799 | 61.7736 | 19.2620 | 1.97988 |
| 7300 | 5.1464 | -3.3250 | 1.9852 | 61.9645 | 19.1877 | 1.98523 |
| 7400 | 5.1505 | -3.3319 | 1.9900 | 62.1465 | 19.1093 | 1.99003 |
| 7500 | 5.1545 | -3.3387 | 1.9944 | 62.3231 | 19.0298 | 1.99446 |
| 7600 | 5.1585 | -3.3454 | 1.9987 | 62.4977 | 18.9528 | 1.99871 |
| 7700 | 5.1625 | -3.3520 | 2.0029 | 62.6726 | 18.8806 | 2.00291 |
| 7800 | 5.1666 | -3.3585 | 2.0072 | 62.8503 | 18.8151 | 2.00720 |
| 7900 | 5.1708 | -3.3650 | 2.0116 | 63.0325 | 18.7579 | 2.01167 |
| 8000 | 5.1752 | -3.3715 | 2.0163 | 63.2210 | 18.7108 | 2.01642 |
| 8100 | 5.1797 | -3.3780 | 2.0214 | 63.4172 | 18.6748 | 2.02154 |
| 8200 | 5.1845 | -3.3845 | 2.0270 | 63.6227 | 18.6513 | 2.02710 |
| 8300 | 5.1896 | -3.3911 | 2.0330 | 63.8386 | 18.6413 | 2.03318 |
| 8400 | 5.1949 | -3.3977 | 2.0397 | 64.0665 | 18.6459 | 2.03986 |
| 8500 | 5.2005 | -3.4044 | 2.0470 | 64.3075 | 18.6661 | 2.04721 |
| 8600 | 5.2064 | -3.4112 | 2.0551 | 64.5628 | 18.7029 | 2.05530 |

|       |        |         |        |          |         |         |
|-------|--------|---------|--------|----------|---------|---------|
| 8700  | 5.2127 | -3.4181 | 2.0639 | 64.8338  | 18.7574 | 2.06422 |
| 8800  | 5.2194 | -3.4251 | 2.0737 | 65.1217  | 18.8306 | 2.07403 |
| 8900  | 5.2264 | -3.4322 | 2.0844 | 65.4277  | 18.9234 | 2.08483 |
| 9000  | 5.2338 | -3.4395 | 2.0962 | 65.7533  | 19.0369 | 2.09667 |
| 9100  | 5.2417 | -3.4470 | 2.1091 | 66.0995  | 19.1721 | 2.10965 |
| 9200  | 5.2500 | -3.4546 | 2.1232 | 66.4677  | 19.3299 | 2.12384 |
| 9300  | 5.2588 | -3.4625 | 2.1386 | 66.8591  | 19.5114 | 2.13933 |
| 9400  | 5.2680 | -3.4705 | 2.1554 | 67.2751  | 19.7176 | 2.15621 |
| 9500  | 5.2777 | -3.4788 | 2.1736 | 67.7166  | 19.9493 | 2.17455 |
| 9600  | 5.2878 | -3.4872 | 2.1934 | 68.1850  | 20.2076 | 2.19445 |
| 9700  | 5.2984 | -3.4960 | 2.2148 | 68.6813  | 20.4930 | 2.21598 |
| 9800  | 5.3094 | -3.5049 | 2.2379 | 69.2065  | 20.8064 | 2.23920 |
| 9900  | 5.3209 | -3.5141 | 2.2627 | 69.7617  | 21.1487 | 2.26422 |
| 10000 | 5.3329 | -3.5236 | 2.2894 | 70.3477  | 21.5203 | 2.29110 |
| 10100 | 5.3452 | -3.5333 | 2.3180 | 70.9646  | 21.9211 | 2.31987 |
| 10200 | 5.3579 | -3.5433 | 2.3485 | 71.6136  | 22.3521 | 2.35062 |
| 10300 | 5.3710 | -3.5535 | 2.3810 | 72.2940  | 22.8121 | 2.38335 |
| 10400 | 5.3844 | -3.5639 | 2.4156 | 73.0066  | 23.3021 | 2.41813 |
| 10500 | 5.3981 | -3.5746 | 2.4521 | 73.7504  | 23.8204 | 2.45494 |
| 10600 | 5.4121 | -3.5855 | 2.4906 | 74.5252  | 24.3668 | 2.49377 |
| 10700 | 5.4263 | -3.5966 | 2.5312 | 75.3295  | 24.9397 | 2.53458 |
| 10800 | 5.4406 | -3.6078 | 2.5736 | 76.1622  | 25.5377 | 2.57734 |
| 10900 | 5.4550 | -3.6192 | 2.6179 | 77.0209  | 26.1581 | 2.62193 |
| 11000 | 5.4695 | -3.6308 | 2.6639 | 77.9031  | 26.7985 | 2.66823 |
| 11100 | 5.4840 | -3.6424 | 2.7114 | 78.8069  | 27.4566 | 2.71615 |
| 11200 | 5.4984 | -3.6540 | 2.7604 | 79.7277  | 28.1282 | 2.76543 |
| 11300 | 5.5126 | -3.6657 | 2.8105 | 80.6623  | 28.8096 | 2.81591 |
| 11400 | 5.5267 | -3.6774 | 2.8616 | 81.6063  | 29.4967 | 2.86735 |
| 11500 | 5.5405 | -3.6889 | 2.9134 | 82.5562  | 30.1859 | 2.91952 |
| 11600 | 5.5540 | -3.7004 | 2.9656 | 83.5056  | 30.8710 | 2.97206 |
| 11700 | 5.5672 | -3.7117 | 3.0179 | 84.4516  | 31.5488 | 3.02476 |
| 11800 | 5.5799 | -3.7229 | 3.0701 | 85.3873  | 32.2133 | 3.07724 |
| 11900 | 5.5922 | -3.7338 | 3.1217 | 86.3095  | 32.8610 | 3.12927 |
| 12000 | 5.6041 | -3.7445 | 3.1727 | 87.2140  | 33.4878 | 3.18056 |
| 12100 | 5.6154 | -3.7548 | 3.2226 | 88.0948  | 34.0884 | 3.23075 |
| 12200 | 5.6262 | -3.7649 | 3.2713 | 88.9500  | 34.6606 | 3.27968 |
| 12300 | 5.6365 | -3.7747 | 3.3183 | 89.7749  | 35.2006 | 3.32703 |
| 12400 | 5.6462 | -3.7841 | 3.3637 | 90.5672  | 35.7060 | 3.37264 |
| 12500 | 5.6553 | -3.7932 | 3.4072 | 91.3254  | 36.1755 | 3.41635 |
| 12600 | 5.6639 | -3.8019 | 3.4487 | 92.0470  | 36.6072 | 3.45801 |
| 12700 | 5.6720 | -3.8102 | 3.4880 | 92.7316  | 37.0009 | 3.49753 |
| 12800 | 5.6796 | -3.8182 | 3.5252 | 93.3782  | 37.3559 | 3.53482 |
| 12900 | 5.6866 | -3.8259 | 3.5601 | 93.9876  | 37.6734 | 3.56991 |
| 13000 | 5.6932 | -3.8332 | 3.5929 | 94.5597  | 37.9535 | 3.60275 |
| 13100 | 5.6993 | -3.8403 | 3.6234 | 95.0954  | 38.1976 | 3.63339 |
| 13200 | 5.7050 | -3.8469 | 3.6518 | 95.5965  | 38.4075 | 3.66190 |
| 13300 | 5.7103 | -3.8534 | 3.6782 | 96.0644  | 38.5848 | 3.68834 |
| 13400 | 5.7152 | -3.8595 | 3.7027 | 96.5002  | 38.7312 | 3.71279 |
| 13500 | 5.7197 | -3.8653 | 3.7252 | 96.9064  | 38.8488 | 3.73534 |
| 13600 | 5.7239 | -3.8710 | 3.7460 | 97.2844  | 38.9398 | 3.75612 |
| 13700 | 5.7279 | -3.8763 | 3.7650 | 97.6358  | 39.0057 | 3.77519 |
| 13800 | 5.7315 | -3.8815 | 3.7826 | 97.9630  | 39.0490 | 3.79269 |
| 13900 | 5.7349 | -3.8865 | 3.7986 | 98.2673  | 39.0713 | 3.80872 |
| 14000 | 5.7382 | -3.8913 | 3.8133 | 98.5691  | 39.0930 | 3.82338 |
| 14100 | 5.7410 | -3.8959 | 3.8268 | 98.8151  | 39.0609 | 3.83680 |
| 14200 | 5.7437 | -3.9004 | 3.8391 | 99.0621  | 39.0318 | 3.84905 |
| 14300 | 5.7463 | -3.9047 | 3.8503 | 99.2926  | 38.9886 | 3.86023 |
| 14400 | 5.7487 | -3.9089 | 3.8606 | 99.5088  | 38.9332 | 3.87044 |
| 14500 | 5.7509 | -3.9129 | 3.8700 | 99.7114  | 38.8665 | 3.87975 |
| 14600 | 5.7531 | -3.9169 | 3.8786 | 99.9015  | 38.7900 | 3.88823 |
| 14700 | 5.7551 | -3.9207 | 3.8864 | 100.0809 | 38.7048 | 3.89598 |
| 14800 | 5.7570 | -3.9245 | 3.8936 | 100.2503 | 38.6119 | 3.90305 |
| 14900 | 5.7588 | -3.9281 | 3.9001 | 100.4103 | 38.5122 | 3.90951 |
| 15000 | 5.7605 | -3.9317 | 3.9061 | 100.5620 | 38.4068 | 3.91540 |

## LOG P=-1.5

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT    | Z*      |
|------|---------|---------|--------|---------|---------|---------|
| 100  | 2.5414  | -1.0634 | .9990  | 23.5351 | 3.4783  | 1.00000 |
| 200  | 2.8433  | -1.3648 | .9999  | 25.9547 | 3.4859  | 1.00000 |
| 300  | 3.0198  | -1.5410 | 1.0000 | 27.3732 | 3.4890  | 1.00000 |
| 400  | 3.1455  | -1.6659 | 1.0000 | 28.3839 | 3.4951  | 1.00000 |
| 500  | 3.2440  | -1.7628 | 1.0000 | 29.1774 | 3.5074  | 1.00000 |
| 600  | 3.3256  | -1.8420 | 1.0000 | 29.8376 | 3.5270  | 1.00000 |
| 700  | 3.3955  | -1.9089 | 1.0000 | 30.4085 | 3.5516  | 1.00000 |
| 800  | 3.4572  | -1.9670 | 1.0000 | 30.9139 | 3.5817  | 1.00000 |
| 900  | 3.5121  | -2.0181 | 1.0000 | 31.3697 | 3.6129  | 1.00000 |
| 1000 | 3.5619  | -2.0639 | 1.0000 | 31.7841 | 3.6467  | 1.00000 |
| 1100 | 3.6071  | -2.1052 | 1.0000 | 32.1670 | 3.6791  | 1.00000 |
| 1200 | 3.6488  | -2.1430 | 1.0000 | 32.5227 | 3.7122  | 1.00000 |
| 1300 | 3.6874  | -2.1778 | 1.0000 | 32.8539 | 3.7452  | 1.00000 |
| 1400 | 3.7234  | -2.2100 | 1.0000 | 33.1650 | 3.7778  | 1.00000 |
| 1500 | 3.7570  | -2.2399 | 1.0000 | 33.4589 | 3.8102  | 1.00000 |
| 1500 | 3.7570  | -2.2400 | 1.0000 | 33.4591 | 3.8097  | 1.00000 |
| 1600 | 3.7887  | -2.2680 | 1.0000 | 33.7385 | 3.8425  | 1.00002 |
| 1700 | 3.8188  | -2.2943 | 1.0001 | 34.0054 | 3.8758  | 1.00006 |
| 1800 | 3.8475  | -2.3192 | 1.0002 | 34.2627 | 3.9101  | 1.00015 |
| 1900 | 3.8752  | -2.3428 | 1.0004 | 34.5136 | 3.9487  | 1.00037 |
| 2000 | 3.9024  | -2.3653 | 1.0009 | 34.7623 | 3.9940  | 1.00085 |
| 2100 | 3.9297  | -2.3868 | 1.0018 | 35.0149 | 4.0500  | 1.00175 |
| 2200 | 3.9578  | -2.4077 | 1.0034 | 35.2791 | 4.1248  | 1.00338 |
| 2300 | 3.9875  | -2.4283 | 1.0062 | 35.5649 | 4.2247  | 1.00615 |
| 2400 | 4.0198  | -2.4487 | 1.0106 | 35.8842 | 4.3614  | 1.01060 |
| 2500 | 4.0556  | -2.4693 | 1.0174 | 36.2500 | 4.5460  | 1.01738 |
| 2600 | 4.0951  | -2.4905 | 1.0272 | 36.6746 | 4.7877  | 1.02715 |
| 2700 | 4.1382  | -2.5125 | 1.0405 | 37.1653 | 5.0917  | 1.04048 |
| 2800 | 4.1842  | -2.5353 | 1.0576 | 37.7222 | 5.4575  | 1.05762 |
| 2900 | 4.2309  | -2.5589 | 1.0782 | 38.3307 | 5.8674  | 1.07815 |
| 3000 | 4.2759  | -2.5827 | 1.1008 | 38.9615 | 6.2919  | 1.10081 |
| 3100 | 4.3166  | -2.6058 | 1.1236 | 39.5691 | 6.6870  | 1.12357 |
| 3200 | 4.3511  | -2.6275 | 1.1443 | 40.1146 | 7.0145  | 1.14429 |
| 3300 | 4.3791  | -2.6474 | 1.1614 | 40.5735 | 7.2537  | 1.16140 |
| 3400 | 4.4011  | -2.6652 | 1.1745 | 40.9455 | 7.4072  | 1.17453 |
| 3500 | 4.4186  | -2.6813 | 1.1841 | 41.2451 | 7.4902  | 1.18412 |
| 3600 | 4.4329  | -2.6961 | 1.1911 | 41.4924 | 7.5262  | 1.19105 |
| 3700 | 4.4452  | -2.7098 | 1.1962 | 41.7057 | 7.5327  | 1.19615 |
| 3800 | 4.4564  | -2.7229 | 1.2001 | 41.8994 | 7.5260  | 1.20013 |
| 3900 | 4.4670  | -2.7354 | 1.2035 | 42.0839 | 7.5152  | 1.20352 |
| 4000 | 4.4776  | -2.7475 | 1.2067 | 42.2676 | 7.5082  | 1.20671 |
| 4100 | 4.4886  | -2.7594 | 1.2100 | 42.4570 | 7.5123  | 1.21004 |
| 4200 | 4.5002  | -2.7712 | 1.2138 | 42.6582 | 7.5321  | 1.21377 |
| 4300 | 4.5128  | -2.7831 | 1.2182 | 42.8774 | 7.5742  | 1.21822 |
| 4400 | 4.5266  | -2.7950 | 1.2236 | 43.1200 | 7.6416  | 1.22363 |
| 4500 | 4.5421  | -2.8071 | 1.2303 | 43.3933 | 7.7425  | 1.23034 |
| 4600 | 4.5593  | -2.8196 | 1.2386 | 43.7033 | 7.8806  | 1.23864 |
| 4700 | 4.5786  | -2.8325 | 1.2489 | 44.0575 | 8.0633  | 1.24890 |
| 4800 | 4.6002  | -2.8460 | 1.2615 | 44.4639 | 8.2976  | 1.26152 |
| 4900 | 4.6242  | -2.8602 | 1.2769 | 44.9301 | 8.5901  | 1.27691 |
| 5000 | 4.6511  | -2.8753 | 1.2955 | 45.4718 | 8.9556  | 1.29552 |
| 5100 | 4.6799  | -2.8912 | 1.3177 | 46.0798 | 9.3820  | 1.31766 |
| 5200 | 4.7109  | -2.9082 | 1.3438 | 46.7677 | 9.8832  | 1.34376 |
| 5300 | 4.7439  | -2.9262 | 1.3742 | 47.5401 | 10.4623 | 1.37415 |
| 5400 | 4.7784  | -2.9451 | 1.4089 | 48.3971 | 11.1177 | 1.40892 |
| 5500 | 4.8140  | -2.9650 | 1.4481 | 49.3361 | 11.8465 | 1.44812 |
| 5600 | 4.8497  | -2.9856 | 1.4912 | 50.3440 | 12.6339 | 1.49121 |
| 5700 | 4.8852  | -3.0066 | 1.5378 | 51.4090 | 13.4678 | 1.53775 |
| 5800 | 4.9195  | -3.0277 | 1.5866 | 52.5056 | 14.3226 | 1.58659 |
| 5900 | 4.9519  | -3.0486 | 1.6385 | 53.6080 | 15.1725 | 1.63646 |
| 6000 | 4.9818  | -3.0667 | 1.6955 | 54.6788 | 15.9811 | 1.68553 |
| 6100 | 5.0087  | -3.0878 | 1.7324 | 55.6914 | 16.7234 | 1.73237 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 6200  | 5.0323 | -3.1056 | 1.7756 | 56.6206 | 17.3755 | 1.77558 |
| 6300  | 5.0528 | -3.1219 | 1.8142 | 57.4509 | 17.9235 | 1.81422 |
| 6400  | 5.0701 | -3.1367 | 1.8477 | 58.1744 | 18.3611 | 1.84770 |
| 6500  | 5.0847 | -3.1500 | 1.8762 | 58.7971 | 18.6965 | 1.87619 |
| 6600  | 5.0969 | -3.1621 | 1.8999 | 59.3259 | 18.9379 | 1.89992 |
| 6700  | 5.1071 | -3.1731 | 1.9193 | 59.7715 | 19.0973 | 1.91932 |
| 6800  | 5.1156 | -3.1831 | 1.9352 | 60.1500 | 19.1920 | 1.93519 |
| 6900  | 5.1229 | -3.1923 | 1.9480 | 60.4721 | 19.2336 | 1.94802 |
| 7000  | 5.1292 | -3.2009 | 1.9585 | 60.7514 | 19.2360 | 1.95851 |
| 7100  | 5.1348 | -3.2089 | 1.9671 | 60.9966 | 19.2086 | 1.96711 |
| 7200  | 5.1397 | -3.2166 | 1.9743 | 61.2167 | 19.1604 | 1.97427 |
| 7300  | 5.1443 | -3.2239 | 1.9803 | 61.4182 | 19.0980 | 1.98035 |
| 7400  | 5.1486 | -3.2310 | 1.9857 | 61.6073 | 19.0277 | 1.98569 |
| 7500  | 5.1527 | -3.2379 | 1.9905 | 61.7877 | 18.9532 | 1.99048 |
| 7600  | 5.1568 | -3.2446 | 1.9949 | 61.9633 | 18.8783 | 1.99494 |
| 7700  | 5.1608 | -3.2512 | 1.9992 | 62.1370 | 18.8057 | 1.99923 |
| 7800  | 5.1648 | -3.2577 | 2.0034 | 62.3113 | 18.7378 | 2.00348 |
| 7900  | 5.1689 | -3.2642 | 2.0078 | 62.4882 | 18.6764 | 2.00781 |
| 8000  | 5.1732 | -3.2706 | 2.0123 | 62.6696 | 18.6232 | 2.01233 |
| 8100  | 5.1775 | -3.2771 | 2.0170 | 62.8569 | 18.5795 | 2.01712 |
| 8200  | 5.1821 | -3.2835 | 2.0221 | 63.0518 | 18.5465 | 2.02226 |
| 8300  | 5.1869 | -3.2899 | 2.0277 | 63.2553 | 18.5255 | 2.02783 |
| 8400  | 5.1919 | -3.2964 | 2.0338 | 63.4691 | 18.5174 | 2.03392 |
| 8500  | 5.1971 | -3.3030 | 2.0404 | 63.6940 | 18.5233 | 2.04057 |
| 8600  | 5.2027 | -3.3096 | 2.0477 | 63.9316 | 18.5440 | 2.04788 |
| 8700  | 5.2086 | -3.3163 | 2.0556 | 64.1827 | 18.5806 | 2.05590 |
| 8800  | 5.2148 | -3.3231 | 2.0644 | 64.4487 | 18.6340 | 2.06471 |
| 8900  | 5.2214 | -3.3301 | 2.0740 | 64.7308 | 18.7052 | 2.07440 |
| 9000  | 5.2283 | -3.3371 | 2.0846 | 65.0301 | 18.7949 | 2.08500 |
| 9100  | 5.2356 | -3.3443 | 2.0961 | 65.3478 | 18.9044 | 2.09663 |
| 9200  | 5.2433 | -3.3517 | 2.1088 | 65.6850 | 19.0343 | 2.10933 |
| 9300  | 5.2515 | -3.3592 | 2.1225 | 66.0429 | 19.1856 | 2.12320 |
| 9400  | 5.2600 | -3.3669 | 2.1375 | 66.4227 | 19.3593 | 2.13830 |
| 9500  | 5.2690 | -3.3748 | 2.1539 | 66.8254 | 19.5561 | 2.15472 |
| 9600  | 5.2784 | -3.3829 | 2.1715 | 67.2523 | 19.7771 | 2.17253 |
| 9700  | 5.2883 | -3.3912 | 2.1907 | 67.7043 | 20.0229 | 2.19183 |
| 9800  | 5.2986 | -3.3998 | 2.2114 | 68.1824 | 20.2943 | 2.21265 |
| 9900  | 5.3093 | -3.4085 | 2.2337 | 68.6877 | 20.5921 | 2.23510 |
| 10000 | 5.3205 | -3.4175 | 2.2576 | 69.2211 | 20.9170 | 2.25925 |
| 10100 | 5.3321 | -3.4268 | 2.2833 | 69.7828 | 21.2688 | 2.28513 |
| 10200 | 5.3440 | -3.4362 | 2.3108 | 70.3741 | 21.6489 | 2.31283 |
| 10300 | 5.3564 | -3.4459 | 2.3401 | 70.9947 | 22.0563 | 2.34238 |
| 10400 | 5.3691 | -3.4559 | 2.3714 | 71.6456 | 22.4921 | 2.37383 |
| 10500 | 5.3821 | -3.4661 | 2.4045 | 72.3262 | 22.9552 | 2.40722 |
| 10600 | 5.3954 | -3.4765 | 2.4395 | 73.0365 | 23.4457 | 2.44252 |
| 10700 | 5.4089 | -3.4871 | 2.4765 | 73.7758 | 23.9625 | 2.47976 |
| 10800 | 5.4227 | -3.4979 | 2.5153 | 74.5435 | 24.5047 | 2.51891 |
| 10900 | 5.4366 | -3.5088 | 2.5560 | 75.3376 | 25.0704 | 2.55989 |
| 11000 | 5.4506 | -3.5200 | 2.5984 | 76.1568 | 25.6579 | 2.60265 |
| 11100 | 5.4647 | -3.5312 | 2.6425 | 76.9998 | 26.2659 | 2.64712 |
| 11200 | 5.4788 | -3.5425 | 2.6881 | 77.8630 | 26.8908 | 2.69312 |
| 11300 | 5.4929 | -3.5539 | 2.7352 | 78.7438 | 27.5297 | 2.74052 |
| 11400 | 5.5068 | -3.5653 | 2.7834 | 79.6390 | 28.1796 | 2.78915 |
| 11500 | 5.5207 | -3.5768 | 2.8327 | 80.5458 | 28.8375 | 2.83882 |
| 11600 | 5.5343 | -3.5881 | 2.8828 | 81.4586 | 29.4979 | 2.88925 |
| 11700 | 5.5476 | -3.5994 | 2.9334 | 82.3749 | 30.1583 | 2.94025 |
| 11800 | 5.5606 | -3.6106 | 2.9843 | 83.2892 | 30.8130 | 2.99151 |
| 11900 | 5.5733 | -3.6216 | 3.0352 | 84.1981 | 31.4590 | 3.04281 |
| 12000 | 5.5856 | -3.6324 | 3.0859 | 85.0970 | 32.0918 | 3.09365 |
| 12100 | 5.5974 | -3.6430 | 3.1360 | 85.9803 | 32.7062 | 3.14429 |
| 12200 | 5.6088 | -3.6534 | 3.1853 | 86.8460 | 33.2999 | 3.19397 |
| 12300 | 5.6197 | -3.6634 | 3.2336 | 87.6885 | 33.8682 | 3.24253 |
| 12400 | 5.6301 | -3.6732 | 3.2805 | 88.5051 | 34.4084 | 3.28977 |
| 12500 | 5.6400 | -3.6827 | 3.3260 | 89.2934 | 34.9184 | 3.33551 |
| 12600 | 5.6493 | -3.6918 | 3.3698 | 90.0506 | 35.3955 | 3.37956 |
| 12700 | 5.6582 | -3.7006 | 3.4118 | 90.7755 | 35.8389 | 3.42180 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 12800 | 5.6665 | -3.7091 | 3.4519 | 91.4658 | 36.2466 | 3.46205 |
| 12900 | 5.6743 | -3.7173 | 3.4899 | 92.1217 | 36.6190 | 3.50029 |
| 13000 | 5.6816 | -3.7251 | 3.5259 | 92.7422 | 36.9555 | 3.53643 |
| 13100 | 5.6885 | -3.7326 | 3.5598 | 93.3271 | 37.2563 | 3.57044 |
| 13200 | 5.6949 | -3.7397 | 3.5916 | 93.8777 | 37.5226 | 3.60237 |
| 13300 | 5.7008 | -3.7466 | 3.6214 | 94.3950 | 37.7557 | 3.63222 |
| 13400 | 5.7064 | -3.7531 | 3.6491 | 94.8791 | 37.9564 | 3.66003 |
| 13500 | 5.7116 | -3.7594 | 3.6749 | 95.3323 | 38.1267 | 3.68588 |
| 13600 | 5.7164 | -3.7655 | 3.6988 | 95.7558 | 38.2682 | 3.70986 |
| 13700 | 5.7209 | -3.7712 | 3.7210 | 96.1507 | 38.3823 | 3.73201 |
| 13800 | 5.7250 | -3.7768 | 3.7414 | 96.5192 | 38.4713 | 3.75246 |
| 13900 | 5.7289 | -3.7821 | 3.7603 | 96.8626 | 38.5367 | 3.77128 |
| 14000 | 5.7327 | -3.7872 | 3.7776 | 97.2009 | 38.5986 | 3.78861 |
| 14100 | 5.7359 | -3.7921 | 3.7936 | 97.4818 | 38.6049 | 3.80452 |
| 14200 | 5.7390 | -3.7969 | 3.8082 | 97.7610 | 38.6110 | 3.81912 |
| 14300 | 5.7419 | -3.8014 | 3.8216 | 98.0215 | 38.6007 | 3.83250 |
| 14400 | 5.7447 | -3.8059 | 3.8339 | 98.2655 | 38.5756 | 3.84476 |
| 14500 | 5.7473 | -3.8101 | 3.8452 | 98.4938 | 38.5371 | 3.85599 |
| 14600 | 5.7497 | -3.8143 | 3.8556 | 98.7077 | 38.4865 | 3.86624 |
| 14700 | 5.7519 | -3.8183 | 3.8650 | 98.9091 | 38.4253 | 3.87564 |
| 14800 | 5.7541 | -3.8222 | 3.8737 | 99.0986 | 38.3545 | 3.88424 |
| 14900 | 5.7561 | -3.8261 | 3.8817 | 99.2772 | 38.2751 | 3.89210 |
| 15000 | 5.7580 | -3.8298 | 3.8890 | 99.4459 | 38.1882 | 3.89930 |

LOG P=-1.4

| T    | LOG H/R | LOG RHC | Z      | S/R     | H/R1   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5413  | -.9633  | .9988  | 23.3045 | 3.4778 | 1.00000 |
| 200  | 2.8433  | -1.2648 | .9999  | 25.7237 | 3.4858 | 1.00000 |
| 300  | 3.0198  | -1.4410 | 1.0000 | 27.1432 | 3.4890 | 1.00000 |
| 400  | 3.1455  | -1.5659 | 1.0000 | 28.1535 | 3.4951 | 1.00000 |
| 500  | 3.2439  | -1.6628 | 1.0000 | 28.9475 | 3.5073 | 1.00000 |
| 600  | 3.3256  | -1.7420 | 1.0000 | 29.6073 | 3.5270 | 1.00000 |
| 700  | 3.3955  | -1.8089 | 1.0000 | 30.1786 | 3.5516 | 1.00000 |
| 800  | 3.4572  | -1.8670 | 1.0000 | 30.6834 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -1.9181 | 1.0000 | 31.1393 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -1.9639 | 1.0000 | 31.5539 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -2.0052 | 1.0000 | 31.9371 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -2.0430 | 1.0000 | 32.2922 | 3.7122 | 1.00000 |
| 1300 | 3.6874  | -2.0778 | 1.0000 | 32.6234 | 3.7452 | 1.00000 |
| 1400 | 3.7234  | -2.1100 | 1.0000 | 32.9346 | 3.7778 | 1.00000 |
| 1500 | 3.7570  | -2.1399 | 1.0000 | 33.2286 | 3.8102 | 1.00000 |
| 1500 | 3.7570  | -2.1400 | 1.0000 | 33.2288 | 3.8097 | 1.00000 |
| 1600 | 3.7887  | -2.1680 | 1.0000 | 33.5081 | 3.8425 | 1.00002 |
| 1700 | 3.8188  | -2.1943 | 1.0001 | 33.7749 | 3.8756 | 1.00005 |
| 1800 | 3.8474  | -2.2192 | 1.0001 | 34.0319 | 3.9095 | 1.00013 |
| 1900 | 3.8751  | -2.2428 | 1.0004 | 34.2819 | 3.9474 | 1.00034 |
| 2000 | 3.9021  | -2.2652 | 1.0008 | 34.5291 | 3.9911 | 1.00075 |
| 2100 | 3.9291  | -2.2868 | 1.0016 | 34.7787 | 4.0445 | 1.00156 |
| 2200 | 3.9568  | -2.3076 | 1.0030 | 35.0379 | 4.1147 | 1.00302 |
| 2300 | 3.9857  | -2.3280 | 1.0055 | 35.3157 | 4.2072 | 1.00549 |
| 2400 | 4.0170  | -2.3482 | 1.0095 | 35.6229 | 4.3326 | 1.00947 |
| 2500 | 4.0513  | -2.3685 | 1.0156 | 35.9714 | 4.5014 | 1.01555 |
| 2600 | 4.0891  | -2.3893 | 1.0244 | 36.3730 | 4.7223 | 1.02436 |
| 2700 | 4.1304  | -2.4108 | 1.0365 | 36.8356 | 5.0012 | 1.03645 |
| 2800 | 4.1747  | -2.4331 | 1.0522 | 37.3617 | 5.3399 | 1.05218 |
| 2900 | 4.2202  | -2.4562 | 1.0713 | 37.9413 | 5.7256 | 1.07133 |
| 3000 | 4.2649  | -2.4796 | 1.0930 | 38.5520 | 6.1349 | 1.09296 |
| 3100 | 4.3062  | -2.5026 | 1.1154 | 39.1535 | 6.5291 | 1.11537 |
| 3200 | 4.3422  | -2.5246 | 1.1365 | 39.7084 | 6.8708 | 1.13652 |
| 3300 | 4.3719  | -2.5448 | 1.1547 | 40.1874 | 7.1342 | 1.15466 |
| 3400 | 4.3957  | -2.5632 | 1.1691 | 40.5828 | 7.3143 | 1.16906 |
| 3500 | 4.4145  | -2.5798 | 1.1799 | 40.9032 | 7.4205 | 1.17986 |
| 3600 | 4.4299  | -2.5949 | 1.1878 | 41.1664 | 7.4740 | 1.18775 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 3700  | 4.4428 | -2.6089 | 1.1936 | 41.3903 | 7.4924  | 1.19356 |
| 3800  | 4.4544 | -2.6221 | 1.1980 | 41.5902 | 7.4929  | 1.19802 |
| 3900  | 4.4653 | -2.6347 | 1.2017 | 41.7772 | 7.4853  | 1.20169 |
| 4000  | 4.4759 | -2.6469 | 1.2050 | 41.9601 | 7.4785  | 1.20501 |
| 4100  | 4.4867 | -2.6588 | 1.2083 | 42.1460 | 7.4797  | 1.20833 |
| 4200  | 4.4980 | -2.6705 | 1.2119 | 42.3409 | 7.4941  | 1.21193 |
| 4300  | 4.5101 | -2.6823 | 1.2161 | 42.5506 | 7.5276  | 1.21610 |
| 4400  | 4.5233 | -2.6941 | 1.2211 | 42.7804 | 7.5834  | 1.22109 |
| 4500  | 4.5380 | -2.7060 | 1.2272 | 43.0368 | 7.6690  | 1.22720 |
| 4600  | 4.5542 | -2.7182 | 1.2347 | 43.3256 | 7.7877  | 1.23472 |
| 4700  | 4.5723 | -2.7308 | 1.2440 | 43.6536 | 7.9465  | 1.24398 |
| 4800  | 4.5925 | -2.7439 | 1.2553 | 44.0280 | 8.1515  | 1.25533 |
| 4900  | 4.6150 | -2.7576 | 1.2692 | 44.4560 | 8.4091  | 1.26917 |
| 5000  | 4.6402 | -2.7720 | 1.2859 | 44.9527 | 8.7337  | 1.28591 |
| 5100  | 4.6672 | -2.7873 | 1.3059 | 45.5090 | 9.1131  | 1.30585 |
| 5200  | 4.6965 | -2.8035 | 1.3294 | 46.1384 | 9.5615  | 1.32941 |
| 5300  | 4.7279 | -2.8207 | 1.3570 | 46.8463 | 10.0829 | 1.35696 |
| 5400  | 4.7609 | -2.8388 | 1.3886 | 47.6346 | 10.6773 | 1.38864 |
| 5500  | 4.7951 | -2.8579 | 1.4246 | 48.5033 | 11.3443 | 1.42463 |
| 5600  | 4.8300 | -2.8778 | 1.4646 | 49.4434 | 12.0734 | 1.46458 |
| 5700  | 4.8650 | -2.8982 | 1.5083 | 50.4475 | 12.8566 | 1.50825 |
| 5800  | 4.8993 | -2.9189 | 1.5548 | 51.4952 | 13.6737 | 1.55477 |
| 5900  | 4.9323 | -2.9397 | 1.6032 | 52.5664 | 14.5038 | 1.60317 |
| 6000  | 4.9632 | -2.9600 | 1.6518 | 53.6273 | 15.3139 | 1.65180 |
| 6100  | 4.9916 | -2.9795 | 1.6993 | 54.6522 | 16.0794 | 1.69932 |
| 6200  | 5.0170 | -2.9979 | 1.7443 | 55.6137 | 16.7739 | 1.74426 |
| 6300  | 5.0394 | -3.0150 | 1.7855 | 56.4915 | 17.3784 | 1.78545 |
| 6400  | 5.0586 | -3.0306 | 1.8220 | 57.2712 | 17.8804 | 1.82199 |
| 6500  | 5.0750 | -3.0448 | 1.8538 | 57.9537 | 18.2826 | 1.85377 |
| 6600  | 5.0888 | -3.0577 | 1.8807 | 58.5405 | 18.5878 | 1.88073 |
| 6700  | 5.1004 | -3.0694 | 1.9031 | 59.0390 | 18.8051 | 1.90313 |
| 6800  | 5.1101 | -3.0800 | 1.9217 | 59.4639 | 18.9502 | 1.92166 |
| 6900  | 5.1184 | -3.0898 | 1.9368 | 59.8249 | 19.0338 | 1.93678 |
| 7000  | 5.1255 | -3.0988 | 1.9492 | 60.1360 | 19.0707 | 1.94917 |
| 7100  | 5.1316 | -3.1072 | 1.9593 | 60.4061 | 19.0702 | 1.95929 |
| 7200  | 5.1371 | -3.1151 | 1.9677 | 60.6454 | 19.0429 | 1.96767 |
| 7300  | 5.1420 | -3.1227 | 1.9747 | 60.8611 | 18.9963 | 1.97470 |
| 7400  | 5.1466 | -3.1299 | 1.9807 | 61.0603 | 18.9374 | 1.98075 |
| 7500  | 5.1509 | -3.1369 | 1.9860 | 61.2472 | 18.8705 | 1.98604 |
| 7600  | 5.1550 | -3.1437 | 1.9908 | 61.4264 | 18.8002 | 1.99086 |
| 7700  | 5.1590 | -3.1504 | 1.9953 | 61.6009 | 18.7295 | 1.99534 |
| 7800  | 5.1630 | -3.1569 | 1.9996 | 61.7738 | 18.6612 | 1.99966 |
| 7900  | 5.1671 | -3.1634 | 2.0039 | 61.9474 | 18.5974 | 2.00396 |
| 8000  | 5.1712 | -3.1698 | 2.0083 | 62.1235 | 18.5399 | 2.00834 |
| 8100  | 5.1754 | -3.1761 | 2.0128 | 62.3037 | 18.4902 | 2.01289 |
| 8200  | 5.1798 | -3.1825 | 2.0176 | 62.4898 | 18.4496 | 2.01771 |
| 8300  | 5.1844 | -3.1889 | 2.0227 | 62.6829 | 18.4193 | 2.02287 |
| 8400  | 5.1891 | -3.1953 | 2.0283 | 62.8845 | 18.4004 | 2.02845 |
| 8500  | 5.1941 | -3.2017 | 2.0343 | 63.0956 | 18.3939 | 2.03452 |
| 8600  | 5.1993 | -3.2082 | 2.0409 | 63.3175 | 18.4006 | 2.04114 |
| 8700  | 5.2048 | -3.2147 | 2.0481 | 63.5512 | 18.4215 | 2.04838 |
| 8800  | 5.2107 | -3.2214 | 2.0560 | 63.7979 | 18.4575 | 2.05632 |
| 8900  | 5.2168 | -3.2281 | 2.0647 | 64.0588 | 18.5095 | 2.06502 |
| 9000  | 5.2233 | -3.2349 | 2.0741 | 64.3346 | 18.5782 | 2.07453 |
| 9100  | 5.2301 | -3.2419 | 2.0845 | 64.6269 | 18.6648 | 2.08496 |
| 9200  | 5.2373 | -3.2490 | 2.0958 | 64.9364 | 18.7698 | 2.09634 |
| 9300  | 5.2448 | -3.2562 | 2.1081 | 65.2644 | 18.8941 | 2.10875 |
| 9400  | 5.2528 | -3.2636 | 2.1215 | 65.6118 | 19.0388 | 2.12226 |
| 9500  | 5.2611 | -3.2712 | 2.1361 | 65.9797 | 19.2044 | 2.13696 |
| 9600  | 5.2699 | -3.2790 | 2.1520 | 66.3693 | 19.3919 | 2.15291 |
| 9700  | 5.2791 | -3.2869 | 2.1691 | 66.7814 | 19.6021 | 2.17019 |
| 9800  | 5.2887 | -3.2951 | 2.1876 | 67.2170 | 19.8354 | 2.18884 |
| 9900  | 5.2987 | -3.3034 | 2.2076 | 67.6771 | 20.0930 | 2.20897 |
| 10000 | 5.3091 | -3.3120 | 2.2291 | 68.1628 | 20.3754 | 2.23064 |
| 10100 | 5.3199 | -3.3208 | 2.2522 | 68.6743 | 20.6826 | 2.25389 |
| 10200 | 5.3312 | -3.3298 | 2.2769 | 69.2129 | 21.0159 | 2.27881 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 10300 | 5.3427 | -3.3390 | 2.3033 | 69.7784 | 21.3746 | 2.30542 |
| 10400 | 5.3547 | -3.3485 | 2.3314 | 70.3720 | 21.7599 | 2.33379 |
| 10500 | 5.3670 | -3.3582 | 2.3613 | 70.9936 | 22.1712 | 2.36397 |
| 10600 | 5.3796 | -3.3681 | 2.3931 | 71.6431 | 22.6086 | 2.39595 |
| 10700 | 5.3925 | -3.3782 | 2.4266 | 72.3205 | 23.0715 | 2.42978 |
| 10800 | 5.4056 | -3.3886 | 2.4620 | 73.0254 | 23.5595 | 2.46545 |
| 10900 | 5.4189 | -3.3991 | 2.4991 | 73.7566 | 24.0712 | 2.50290 |
| 11000 | 5.4324 | -3.4097 | 2.5380 | 74.5134 | 24.6059 | 2.54215 |
| 11100 | 5.4461 | -3.4206 | 2.5786 | 75.2951 | 25.1622 | 2.58314 |
| 11200 | 5.4598 | -3.4315 | 2.6209 | 76.0989 | 25.7377 | 2.62575 |
| 11300 | 5.4735 | -3.4426 | 2.6646 | 76.9228 | 26.3303 | 2.66988 |
| 11400 | 5.4873 | -3.4537 | 2.7098 | 77.7647 | 26.9376 | 2.71542 |
| 11500 | 5.5009 | -3.4649 | 2.7562 | 78.6222 | 27.5570 | 2.76224 |
| 11600 | 5.5145 | -3.4760 | 2.8037 | 79.4909 | 28.1843 | 2.81009 |
| 11700 | 5.5278 | -3.4872 | 2.8520 | 80.3686 | 28.8172 | 2.85884 |
| 11800 | 5.5410 | -3.4983 | 2.9010 | 81.2501 | 29.4509 | 2.90819 |
| 11900 | 5.5539 | -3.5093 | 2.9504 | 82.1332 | 30.0827 | 2.95799 |
| 12000 | 5.5664 | -3.5201 | 3.0000 | 83.0136 | 30.7087 | 3.00793 |
| 12100 | 5.5787 | -3.5309 | 3.0494 | 83.8858 | 31.3238 | 3.05753 |
| 12200 | 5.5905 | -3.5414 | 3.0986 | 84.7481 | 31.9253 | 3.10738 |
| 12300 | 5.6019 | -3.5517 | 3.1472 | 85.5947 | 32.5091 | 3.15631 |
| 12400 | 5.6129 | -3.5617 | 3.1949 | 86.4229 | 33.0718 | 3.20438 |
| 12500 | 5.6234 | -3.5715 | 3.2416 | 87.2294 | 33.6107 | 3.25139 |
| 12600 | 5.6334 | -3.5810 | 3.2870 | 88.0112 | 34.1227 | 3.29713 |
| 12700 | 5.6430 | -3.5902 | 3.3310 | 88.7662 | 34.6061 | 3.34142 |
| 12800 | 5.6520 | -3.5991 | 3.3734 | 89.4915 | 35.0584 | 3.38406 |
| 12900 | 5.6606 | -3.6077 | 3.4141 | 90.1862 | 35.4785 | 3.42496 |
| 13000 | 5.6686 | -3.6160 | 3.4529 | 90.8486 | 35.8654 | 3.46397 |
| 13100 | 5.6762 | -3.6239 | 3.4897 | 91.4778 | 36.2186 | 3.50103 |
| 13200 | 5.6833 | -3.6315 | 3.5247 | 92.0743 | 36.5386 | 3.53613 |
| 13300 | 5.6900 | -3.6389 | 3.5576 | 92.6384 | 36.8258 | 3.56924 |
| 13400 | 5.6963 | -3.6459 | 3.5886 | 93.1697 | 37.0804 | 3.60033 |
| 13500 | 5.7021 | -3.6526 | 3.6177 | 93.6698 | 37.3039 | 3.62948 |
| 13600 | 5.7075 | -3.6591 | 3.6448 | 94.1394 | 37.4975 | 3.65671 |
| 13700 | 5.7126 | -3.6653 | 3.6701 | 94.5792 | 37.6620 | 3.68206 |
| 13800 | 5.7174 | -3.6712 | 3.6936 | 94.9914 | 37.7997 | 3.70562 |
| 13900 | 5.7218 | -3.6769 | 3.7154 | 95.3765 | 37.9116 | 3.72744 |
| 14000 | 5.7261 | -3.6824 | 3.7357 | 95.7543 | 38.0175 | 3.74765 |
| 14100 | 5.7298 | -3.6876 | 3.7543 | 96.0737 | 38.0661 | 3.76632 |
| 14200 | 5.7334 | -3.6927 | 3.7716 | 96.3886 | 38.1118 | 3.78354 |
| 14300 | 5.7367 | -3.6975 | 3.7875 | 96.6828 | 38.1385 | 3.79939 |
| 14400 | 5.7396 | -3.7022 | 3.8021 | 96.9585 | 38.1483 | 3.81399 |
| 14500 | 5.7428 | -3.7068 | 3.8156 | 97.2164 | 38.1422 | 3.82741 |
| 14600 | 5.7455 | -3.7112 | 3.8280 | 97.4578 | 38.1216 | 3.83972 |
| 14700 | 5.7481 | -3.7154 | 3.8393 | 97.6847 | 38.0882 | 3.85104 |
| 14800 | 5.7505 | -3.7196 | 3.8498 | 97.8978 | 38.0432 | 3.86143 |
| 14900 | 5.7528 | -3.7236 | 3.8594 | 98.0983 | 37.9876 | 3.87094 |
| 15000 | 5.7550 | -3.7275 | 3.8682 | 98.2872 | 37.9227 | 3.87968 |

LCG P=-1.3

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5413  | -.8632  | .9986  | 23.0738 | 3.4774 | 1.00000 |
| 200  | 2.8433  | -1.1648 | .9998  | 25.4928 | 3.4857 | 1.00000 |
| 300  | 3.0198  | -1.3410 | 1.0000 | 26.9129 | 3.4890 | 1.00000 |
| 400  | 3.1455  | -1.4659 | 1.0000 | 27.9235 | 3.4951 | 1.00000 |
| 500  | 3.2439  | -1.5628 | 1.0000 | 28.7173 | 3.5073 | 1.00000 |
| 600  | 3.3256  | -1.6420 | 1.0000 | 29.3768 | 3.5270 | 1.00000 |
| 700  | 3.3955  | -1.7089 | 1.0000 | 29.9482 | 3.5516 | 1.00000 |
| 800  | 3.4572  | -1.7670 | 1.0000 | 30.4528 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -1.8181 | 1.0000 | 30.9088 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -1.8639 | 1.0000 | 31.3239 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -1.9052 | 1.0000 | 31.7066 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -1.9431 | 1.0000 | 32.0617 | 3.7122 | 1.00000 |
| 1300 | 3.6874  | -1.9778 | 1.0000 | 32.3928 | 3.7452 | 1.00000 |

|      |        |         |        |         |         |         |
|------|--------|---------|--------|---------|---------|---------|
| 1400 | 3.7234 | -2.0100 | 1.0000 | 32.7040 | 3.7778  | 1.00000 |
| 1500 | 3.7570 | -2.0399 | 1.0000 | 32.9981 | 3.8101  | 1.00000 |
| 1500 | 3.7570 | -2.0400 | 1.0000 | 32.9985 | 3.8097  | 1.00000 |
| 1600 | 3.7887 | -2.0680 | 1.0000 | 33.2778 | 3.8424  | 1.00001 |
| 1700 | 3.8188 | -2.0943 | 1.0001 | 33.5445 | 3.8754  | 1.00005 |
| 1800 | 3.8473 | -2.1192 | 1.0001 | 33.8011 | 3.9090  | 1.00012 |
| 1900 | 3.8749 | -2.1427 | 1.0003 | 34.0504 | 3.9462  | 1.00030 |
| 2000 | 3.9019 | -2.1652 | 1.0007 | 34.2962 | 3.9886  | 1.00067 |
| 2100 | 3.9286 | -2.1867 | 1.0014 | 34.5432 | 4.0396  | 1.00139 |
| 2200 | 3.9558 | -2.2075 | 1.0027 | 34.7979 | 4.1056  | 1.00269 |
| 2300 | 3.9841 | -2.2277 | 1.0049 | 35.0685 | 4.1914  | 1.00490 |
| 2400 | 4.0144 | -2.2477 | 1.0085 | 35.3648 | 4.3068  | 1.00846 |
| 2500 | 4.0474 | -2.2678 | 1.0139 | 35.6978 | 4.4614  | 1.01390 |
| 2600 | 4.0837 | -2.2882 | 1.0219 | 36.0784 | 4.6633  | 1.02184 |
| 2700 | 4.1232 | -2.3092 | 1.0328 | 36.5150 | 4.9188  | 1.03279 |
| 2800 | 4.1658 | -2.3310 | 1.0472 | 37.0116 | 5.2315  | 1.04717 |
| 2900 | 4.2100 | -2.3536 | 1.0649 | 37.5621 | 5.5923  | 1.06493 |
| 3000 | 4.2541 | -2.3766 | 1.0854 | 38.1499 | 5.9836  | 1.08540 |
| 3100 | 4.2956 | -2.3995 | 1.1072 | 38.7405 | 6.3720  | 1.10721 |
| 3200 | 4.3327 | -2.4215 | 1.1285 | 39.2992 | 6.7224  | 1.12850 |
| 3300 | 4.3640 | -2.4421 | 1.1475 | 39.7942 | 7.0061  | 1.14745 |
| 3400 | 4.3895 | -2.4609 | 1.1630 | 40.2114 | 7.2114  | 1.16303 |
| 3500 | 4.4099 | -2.4780 | 1.1751 | 40.5532 | 7.3417  | 1.17504 |
| 3600 | 4.4264 | -2.4935 | 1.1840 | 40.8338 | 7.4146  | 1.18399 |
| 3700 | 4.4402 | -2.5078 | 1.1906 | 41.0702 | 7.4468  | 1.19061 |
| 3800 | 4.4523 | -2.5212 | 1.1956 | 41.2778 | 7.4561  | 1.19563 |
| 3900 | 4.4634 | -2.5340 | 1.1997 | 41.4687 | 7.4533  | 1.19967 |
| 4000 | 4.4741 | -2.5463 | 1.2032 | 41.6523 | 7.4479  | 1.20319 |
| 4100 | 4.4848 | -2.5582 | 1.2066 | 41.8359 | 7.4477  | 1.20657 |
| 4200 | 4.4959 | -2.5699 | 1.2101 | 42.0257 | 7.4577  | 1.21009 |
| 4300 | 4.5076 | -2.5816 | 1.2141 | 42.2274 | 7.4842  | 1.21404 |
| 4400 | 4.5202 | -2.5932 | 1.2187 | 42.4460 | 7.5299  | 1.21868 |
| 4500 | 4.5342 | -2.6050 | 1.2243 | 42.6877 | 7.6021  | 1.22428 |
| 4600 | 4.5495 | -2.6169 | 1.2311 | 42.9577 | 7.7037  | 1.23112 |
| 4700 | 4.5665 | -2.6292 | 1.2395 | 43.2624 | 7.8411  | 1.23948 |
| 4800 | 4.5854 | -2.6419 | 1.2497 | 43.6082 | 8.0200  | 1.24971 |
| 4900 | 4.6065 | -2.6552 | 1.2622 | 44.0019 | 8.2464  | 1.26216 |
| 5000 | 4.6301 | -2.6691 | 1.2772 | 44.4580 | 8.5340  | 1.27721 |
| 5100 | 4.6555 | -2.6838 | 1.2952 | 44.9673 | 8.8709  | 1.29516 |
| 5200 | 4.6831 | -2.6993 | 1.3164 | 45.5432 | 9.2709  | 1.31641 |
| 5300 | 4.7128 | -2.7157 | 1.3413 | 46.1915 | 9.7387  | 1.34133 |
| 5400 | 4.7442 | -2.7330 | 1.3701 | 46.9152 | 10.2754 | 1.37011 |
| 5500 | 4.7771 | -2.7513 | 1.4030 | 47.7159 | 10.8825 | 1.40300 |
| 5600 | 4.8109 | -2.7704 | 1.4398 | 48.5881 | 11.5527 | 1.43981 |
| 5700 | 4.8451 | -2.7901 | 1.4805 | 49.5280 | 12.2815 | 1.48045 |
| 5800 | 4.8792 | -2.8104 | 1.5243 | 50.5202 | 13.0535 | 1.52433 |
| 5900 | 4.9124 | -2.8308 | 1.5707 | 51.5497 | 13.8527 | 1.57071 |
| 6000 | 4.9440 | -2.8510 | 1.6182 | 52.5871 | 14.6501 | 1.61822 |
| 6100 | 4.9735 | -2.8708 | 1.6657 | 53.6089 | 15.4232 | 1.66564 |
| 6200 | 5.0004 | -2.8896 | 1.7116 | 54.5876 | 16.1453 | 1.71154 |
| 6300 | 5.0245 | -2.9074 | 1.7546 | 55.5005 | 16.7948 | 1.75464 |
| 6400 | 5.0456 | -2.9238 | 1.7938 | 56.3284 | 17.3537 | 1.79380 |
| 6500 | 5.0638 | -2.9389 | 1.8287 | 57.0668 | 17.8195 | 1.82866 |
| 6600 | 5.0794 | -2.9526 | 1.8589 | 57.7115 | 18.1893 | 1.85886 |
| 6700 | 5.0925 | -2.9651 | 1.8844 | 58.2654 | 18.4675 | 1.88439 |
| 6800 | 5.1036 | -2.9764 | 1.9058 | 58.7406 | 18.6675 | 1.90582 |
| 6900 | 5.1130 | -2.9868 | 1.9235 | 59.1452 | 18.7985 | 1.92348 |
| 7000 | 5.1210 | -2.9963 | 1.9381 | 59.4930 | 18.8752 | 1.93806 |
| 7100 | 5.1279 | -3.0051 | 1.9500 | 59.7930 | 18.9071 | 1.94999 |
| 7200 | 5.1339 | -3.0134 | 1.9598 | 60.0559 | 18.9055 | 1.95984 |
| 7300 | 5.1393 | -3.0212 | 1.9680 | 60.2897 | 18.8789 | 1.96804 |
| 7400 | 5.1442 | -3.0287 | 1.9750 | 60.5025 | 18.8350 | 1.97501 |
| 7500 | 5.1487 | -3.0358 | 1.9810 | 60.6990 | 18.7790 | 1.98099 |
| 7600 | 5.1530 | -3.0427 | 1.9863 | 60.8844 | 18.7161 | 1.98630 |
| 7700 | 5.1572 | -3.0494 | 1.9911 | 61.0622 | 18.6497 | 1.99112 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 7800  | 5.1612 | -3.0560 | 1.9956 | 61.2359 | 18.5833 | 1.99564 |
| 7900  | 5.1653 | -3.0625 | 2.0000 | 61.4081 | 18.5190 | 2.00001 |
| 8000  | 5.1693 | -3.0689 | 2.0043 | 61.5808 | 18.4592 | 2.00436 |
| 8100  | 5.1734 | -3.0753 | 2.0087 | 61.7558 | 18.4052 | 2.00877 |
| 8200  | 5.1777 | -3.0816 | 2.0133 | 61.9348 | 18.3588 | 2.01335 |
| 8300  | 5.1820 | -3.0879 | 2.0181 | 62.1194 | 18.3210 | 2.01820 |
| 8400  | 5.1866 | -3.0942 | 2.0232 | 62.3107 | 18.2931 | 2.02337 |
| 8500  | 5.1913 | -3.1005 | 2.0288 | 62.5099 | 18.2760 | 2.02894 |
| 8600  | 5.1963 | -3.1069 | 2.0348 | 62.7182 | 18.2705 | 2.03498 |
| 8700  | 5.2014 | -3.1133 | 2.0413 | 62.9367 | 18.2778 | 2.04155 |
| 8800  | 5.2069 | -3.1198 | 2.0484 | 63.1664 | 18.2986 | 2.04872 |
| 8900  | 5.2126 | -3.1263 | 2.0562 | 63.4085 | 18.3337 | 2.05656 |
| 9000  | 5.2187 | -3.1330 | 2.0647 | 63.6638 | 18.3839 | 2.06512 |
| 9100  | 5.2250 | -3.1397 | 2.0740 | 63.9335 | 18.4501 | 2.07447 |
| 9200  | 5.2317 | -3.1466 | 2.0842 | 64.2184 | 18.5329 | 2.08468 |
| 9300  | 5.2388 | -3.1536 | 2.0952 | 64.5197 | 18.6333 | 2.09580 |
| 9400  | 5.2462 | -3.1607 | 2.1072 | 64.8383 | 18.7521 | 2.10790 |
| 9500  | 5.2540 | -3.1680 | 2.1203 | 65.1751 | 18.8897 | 2.12106 |
| 9600  | 5.2621 | -3.1754 | 2.1344 | 65.5312 | 19.0472 | 2.13534 |
| 9700  | 5.2706 | -3.1830 | 2.1498 | 65.9075 | 19.2252 | 2.15081 |
| 9800  | 5.2796 | -3.1908 | 2.1664 | 66.3049 | 19.4244 | 2.16752 |
| 9900  | 5.2889 | -3.1986 | 2.1843 | 66.7244 | 19.6456 | 2.18556 |
| 10000 | 5.2986 | -3.2070 | 2.2035 | 67.1668 | 19.8894 | 2.20499 |
| 10100 | 5.3087 | -3.2154 | 2.2242 | 67.6327 | 20.1561 | 2.22584 |
| 10200 | 5.3192 | -3.2239 | 2.2464 | 68.1233 | 20.4468 | 2.24822 |
| 10300 | 5.3301 | -3.2327 | 2.2701 | 68.6384 | 20.7609 | 2.27214 |
| 10400 | 5.3413 | -3.2418 | 2.2954 | 69.1795 | 21.0999 | 2.29770 |
| 10500 | 5.3529 | -3.2510 | 2.3224 | 69.7464 | 21.4632 | 2.32491 |
| 10600 | 5.3648 | -3.2604 | 2.3510 | 70.3395 | 21.8510 | 2.35381 |
| 10700 | 5.3770 | -3.2701 | 2.3814 | 70.9589 | 22.2634 | 2.38444 |
| 10800 | 5.3895 | -3.2799 | 2.4135 | 71.6046 | 22.7000 | 2.41682 |
| 10900 | 5.4022 | -3.2900 | 2.4472 | 72.2757 | 23.1598 | 2.45092 |
| 11000 | 5.4151 | -3.3002 | 2.4827 | 72.9721 | 23.6424 | 2.48675 |
| 11100 | 5.4282 | -3.3106 | 2.5199 | 73.6932 | 24.1474 | 2.52431 |
| 11200 | 5.4414 | -3.3211 | 2.5588 | 74.4372 | 24.6724 | 2.56349 |
| 11300 | 5.4548 | -3.3318 | 2.5992 | 75.2027 | 25.2162 | 2.60426 |
| 11400 | 5.4681 | -3.3425 | 2.6410 | 75.9883 | 25.7771 | 2.64653 |
| 11500 | 5.4815 | -3.3534 | 2.6843 | 76.7921 | 26.3532 | 2.69022 |
| 11600 | 5.4949 | -3.3643 | 2.7288 | 77.6107 | 26.9412 | 2.73514 |
| 11700 | 5.5081 | -3.3752 | 2.7744 | 78.4425 | 27.5392 | 2.78119 |
| 11800 | 5.5213 | -3.3861 | 2.8210 | 79.2831 | 28.1431 | 2.82813 |
| 11900 | 5.5342 | -3.3970 | 2.8682 | 80.1307 | 28.7507 | 2.87583 |
| 12000 | 5.5469 | -3.4078 | 2.9161 | 80.9821 | 29.3589 | 2.92412 |
| 12100 | 5.5594 | -3.4185 | 2.9642 | 81.8321 | 29.9626 | 2.97266 |
| 12200 | 5.5715 | -3.4291 | 3.0125 | 82.6786 | 30.5599 | 3.02133 |
| 12300 | 5.5833 | -3.4396 | 3.0605 | 83.5167 | 31.1461 | 3.06980 |
| 12400 | 5.5947 | -3.4498 | 3.1082 | 84.3435 | 31.7181 | 3.11789 |
| 12500 | 5.6058 | -3.4598 | 3.1553 | 85.1553 | 32.2731 | 3.16535 |
| 12600 | 5.6163 | -3.4696 | 3.2016 | 85.9493 | 32.8074 | 3.21196 |
| 12700 | 5.6265 | -3.4791 | 3.2468 | 86.7223 | 33.3191 | 3.25752 |
| 12800 | 5.6362 | -3.4884 | 3.2908 | 87.4715 | 33.8051 | 3.30183 |
| 12900 | 5.6454 | -3.4973 | 3.3334 | 88.1953 | 34.2640 | 3.34474 |
| 13000 | 5.6542 | -3.5060 | 3.3745 | 88.8911 | 34.6937 | 3.38607 |
| 13100 | 5.6625 | -3.5144 | 3.4139 | 89.5577 | 35.0930 | 3.42572 |
| 13200 | 5.6703 | -3.5224 | 3.4515 | 90.1944 | 35.4616 | 3.46362 |
| 13300 | 5.6777 | -3.5302 | 3.4874 | 90.8011 | 35.7994 | 3.49970 |
| 13400 | 5.6847 | -3.5377 | 3.5214 | 91.3765 | 36.1056 | 3.53390 |
| 13500 | 5.6912 | -3.5449 | 3.5536 | 91.9216 | 36.3812 | 3.56622 |
| 13600 | 5.6973 | -3.5518 | 3.5839 | 92.4366 | 36.6268 | 3.59666 |
| 13700 | 5.7031 | -3.5584 | 3.6124 | 92.9215 | 36.8426 | 3.62522 |
| 13800 | 5.7084 | -3.5647 | 3.6391 | 93.3781 | 37.0306 | 3.65196 |
| 13900 | 5.7135 | -3.5708 | 3.6639 | 93.8066 | 37.1912 | 3.67690 |
| 14000 | 5.7183 | -3.5767 | 3.6872 | 94.2261 | 37.3435 | 3.70016 |
| 14100 | 5.7225 | -3.5823 | 3.7087 | 94.5863 | 37.4378 | 3.72178 |
| 14200 | 5.7266 | -3.5877 | 3.7288 | 94.9400 | 37.5265 | 3.74183 |
| 14300 | 5.7305 | -3.5929 | 3.7474 | 95.2711 | 37.5940 | 3.76039 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 14400 | 5.7340 | -3.5979 | 3.7646 | 95.5817 | 37.6423 | 3.77757 |
| 14500 | 5.7374 | -3.6028 | 3.7805 | 95.8724 | 37.6724 | 3.79343 |
| 14600 | 5.7405 | -3.6074 | 3.7951 | 96.1446 | 37.6858 | 3.80805 |
| 14700 | 5.7435 | -3.6119 | 3.8087 | 96.4003 | 37.6842 | 3.82154 |
| 14800 | 5.7463 | -3.6163 | 3.8212 | 96.6405 | 37.6690 | 3.83397 |
| 14900 | 5.7489 | -3.6205 | 3.8327 | 96.8661 | 37.6410 | 3.84540 |
| 15000 | 5.7513 | -3.6246 | 3.8433 | 97.0783 | 37.6017 | 3.85592 |

## LCG P=-1.2

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5412  | -.7632  | .9985  | 22.8432 | 3.4770 | 1.00000 |
| 200  | 2.8433  | -1.0648 | .9998  | 25.2623 | 3.4856 | 1.00000 |
| 300  | 3.0198  | -1.2410 | 1.0000 | 26.6824 | 3.4889 | 1.00000 |
| 400  | 3.1455  | -1.3659 | 1.0000 | 27.6936 | 3.4951 | 1.00000 |
| 500  | 3.2439  | -1.4628 | 1.0000 | 28.4868 | 3.5073 | 1.00000 |
| 600  | 3.3256  | -1.5420 | 1.0000 | 29.1466 | 3.5270 | 1.00000 |
| 700  | 3.3955  | -1.6089 | 1.0000 | 29.7176 | 3.5516 | 1.00000 |
| 800  | 3.4572  | -1.6670 | 1.0000 | 30.2223 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -1.7181 | 1.0000 | 30.6787 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -1.7639 | 1.0000 | 31.0937 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -1.8053 | 1.0000 | 31.4761 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -1.8431 | 1.0000 | 31.8312 | 3.7122 | 1.00000 |
| 1300 | 3.6874  | -1.8778 | 1.0000 | 32.1623 | 3.7452 | 1.00000 |
| 1400 | 3.7234  | -1.9100 | 1.0000 | 32.4734 | 3.7778 | 1.00000 |
| 1500 | 3.7570  | -1.9399 | 1.0000 | 32.7675 | 3.8100 | 1.00000 |
| 1500 | 3.7570  | -1.9400 | 1.0000 | 32.7683 | 3.8097 | 1.00000 |
| 1600 | 3.7887  | -1.9680 | 1.0000 | 33.0475 | 3.8423 | 1.00001 |
| 1700 | 3.8187  | -1.9943 | 1.0001 | 33.3140 | 3.8752 | 1.00004 |
| 1800 | 3.8473  | -2.0192 | 1.0001 | 33.5703 | 3.9086 | 1.00011 |
| 1900 | 3.8748  | -2.0427 | 1.0003 | 33.8191 | 3.9451 | 1.00026 |
| 2000 | 3.9016  | -2.0652 | 1.0006 | 34.0635 | 3.9864 | 1.00059 |
| 2100 | 3.9281  | -2.0866 | 1.0013 | 34.3082 | 4.0351 | 1.00124 |
| 2200 | 3.9549  | -2.1073 | 1.0024 | 34.5590 | 4.0975 | 1.00240 |
| 2300 | 3.9826  | -2.1275 | 1.0044 | 34.8232 | 4.1774 | 1.00437 |
| 2400 | 4.0120  | -2.1473 | 1.0076 | 35.1097 | 4.2838 | 1.00756 |
| 2500 | 4.0439  | -2.1672 | 1.0124 | 35.4286 | 4.4255 | 1.01243 |
| 2600 | 4.0787  | -2.1872 | 1.0196 | 35.7901 | 4.6101 | 1.01956 |
| 2700 | 4.1166  | -2.2078 | 1.0295 | 36.2027 | 4.8439 | 1.02946 |
| 2800 | 4.1574  | -2.2291 | 1.0426 | 36.6715 | 5.1320 | 1.04257 |
| 2900 | 4.2002  | -2.2511 | 1.0590 | 37.1933 | 5.4680 | 1.05896 |
| 3000 | 4.2435  | -2.2737 | 1.0782 | 37.7566 | 5.8394 | 1.07821 |
| 3100 | 4.2850  | -2.2963 | 1.0992 | 38.3321 | 6.2176 | 1.09920 |
| 3200 | 4.3228  | -2.3184 | 1.1204 | 38.8892 | 6.5713 | 1.12036 |
| 3300 | 4.3555  | -2.3392 | 1.1399 | 39.3955 | 6.8707 | 1.13986 |
| 3400 | 4.3827  | -2.3585 | 1.1565 | 39.8321 | 7.0991 | 1.15647 |
| 3500 | 4.4046  | -2.3760 | 1.1697 | 40.1951 | 7.2534 | 1.16967 |
| 3600 | 4.4224  | -2.3919 | 1.1797 | 40.4942 | 7.3470 | 1.17973 |
| 3700 | 4.4371  | -2.4066 | 1.1872 | 40.7446 | 7.3949 | 1.18724 |
| 3800 | 4.4499  | -2.4203 | 1.1929 | 40.9616 | 7.4148 | 1.19292 |
| 3900 | 4.4614  | -2.4332 | 1.1974 | 41.1578 | 7.4185 | 1.19741 |
| 4000 | 4.4722  | -2.4455 | 1.2012 | 41.3434 | 7.4158 | 1.20120 |
| 4100 | 4.4829  | -2.4575 | 1.2047 | 41.5260 | 7.4154 | 1.20470 |
| 4200 | 4.4938  | -2.4692 | 1.2082 | 41.7120 | 7.4225 | 1.20820 |
| 4300 | 4.5052  | -2.4808 | 1.2120 | 41.9070 | 7.4432 | 1.21200 |
| 4400 | 4.5174  | -2.4924 | 1.2164 | 42.1161 | 7.4804 | 1.21636 |
| 4500 | 4.5306  | -2.5040 | 1.2215 | 42.3450 | 7.5409 | 1.22153 |
| 4600 | 4.5451  | -2.5157 | 1.2278 | 42.5984 | 7.6274 | 1.22777 |
| 4700 | 4.5612  | -2.5277 | 1.2354 | 42.8823 | 7.7459 | 1.23536 |
| 4800 | 4.5790  | -2.5401 | 1.2446 | 43.2026 | 7.9016 | 1.24459 |
| 4900 | 4.5987  | -2.5530 | 1.2558 | 43.5657 | 8.1000 | 1.25581 |
| 5000 | 4.6209  | -2.5664 | 1.2693 | 43.9852 | 8.3544 | 1.26934 |
| 5100 | 4.6447  | -2.5805 | 1.2855 | 44.4520 | 8.6526 | 1.28549 |
| 5200 | 4.6707  | -2.5954 | 1.3047 | 44.9792 | 9.0086 | 1.30465 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 5300  | 4.6987 | -2.6111 | 1.3271 | 45.5727 | 9.4270  | 1.32714 |
| 5400  | 4.7285 | -2.6276 | 1.3532 | 46.2362 | 9.9099  | 1.35323 |
| 5500  | 4.7599 | -2.6451 | 1.3832 | 46.9726 | 10.4599 | 1.38318 |
| 5600  | 4.7924 | -2.6634 | 1.4169 | 47.7788 | 11.0722 | 1.41692 |
| 5700  | 4.8257 | -2.6825 | 1.4545 | 48.6539 | 11.7451 | 1.45452 |
| 5800  | 4.8592 | -2.7021 | 1.4956 | 49.5866 | 12.4673 | 1.49555 |
| 5900  | 4.8923 | -2.7221 | 1.5395 | 50.5660 | 13.2270 | 1.53952 |
| 6000  | 4.9243 | -2.7421 | 1.5853 | 51.5681 | 13.9999 | 1.58532 |
| 6100  | 4.9546 | -2.7619 | 1.6319 | 52.5726 | 14.7666 | 1.63191 |
| 6200  | 4.9828 | -2.7810 | 1.6780 | 53.5538 | 15.5019 | 1.67801 |
| 6300  | 5.0084 | -2.7993 | 1.7223 | 54.4883 | 16.1832 | 1.72231 |
| 6400  | 5.0312 | -2.8164 | 1.7635 | 55.3536 | 16.7886 | 1.76352 |
| 6500  | 5.0512 | -2.8323 | 1.8011 | 56.1404 | 17.3111 | 1.80107 |
| 6600  | 5.0686 | -2.8469 | 1.8343 | 56.8393 | 17.7424 | 1.83429 |
| 6700  | 5.0833 | -2.8601 | 1.8630 | 57.4485 | 18.0821 | 1.86295 |
| 6800  | 5.0959 | -2.8722 | 1.8874 | 57.9766 | 18.3404 | 1.88742 |
| 6900  | 5.1066 | -2.8833 | 1.9079 | 58.4289 | 18.5234 | 1.90786 |
| 7000  | 5.1157 | -2.8934 | 1.9249 | 58.8183 | 18.6453 | 1.92490 |
| 7100  | 5.1235 | -2.9027 | 1.9389 | 59.1530 | 18.7151 | 1.93894 |
| 7200  | 5.1302 | -2.9113 | 1.9505 | 59.4443 | 18.7444 | 1.95055 |
| 7300  | 5.1361 | -2.9195 | 1.9602 | 59.7007 | 18.7421 | 1.96016 |
| 7400  | 5.1415 | -2.9272 | 1.9683 | 59.9309 | 18.7175 | 1.96827 |
| 7500  | 5.1463 | -2.9345 | 1.9751 | 60.1403 | 18.6759 | 1.97515 |
| 7600  | 5.1509 | -2.9416 | 1.9811 | 60.3349 | 18.6234 | 1.98114 |
| 7700  | 5.1552 | -2.9484 | 1.9864 | 60.5186 | 18.5641 | 1.98644 |
| 7800  | 5.1593 | -2.9551 | 1.9913 | 60.6955 | 18.5018 | 1.99129 |
| 7900  | 5.1634 | -2.9616 | 1.9958 | 60.8683 | 18.4393 | 1.99586 |
| 8000  | 5.1674 | -2.9680 | 2.0002 | 61.0396 | 18.3791 | 2.00027 |
| 8100  | 5.1715 | -2.9744 | 2.0046 | 61.2113 | 18.3228 | 2.00465 |
| 8200  | 5.1756 | -2.9807 | 2.0090 | 61.3852 | 18.2722 | 2.00910 |
| 8300  | 5.1798 | -2.9869 | 2.0136 | 61.5629 | 18.2287 | 2.01372 |
| 8400  | 5.1842 | -2.9932 | 2.0184 | 61.7458 | 18.1935 | 2.01857 |
| 8500  | 5.1887 | -2.9994 | 2.0236 | 61.9350 | 18.1676 | 2.02374 |
| 8600  | 5.1934 | -3.0057 | 2.0291 | 62.1317 | 18.1519 | 2.02930 |
| 8700  | 5.1983 | -3.0120 | 2.0351 | 62.3370 | 18.1474 | 2.03530 |
| 8800  | 5.2035 | -3.0183 | 2.0416 | 62.5520 | 18.1549 | 2.04161 |
| 8900  | 5.2089 | -3.0247 | 2.0486 | 62.7775 | 18.1753 | 2.04890 |
| 9000  | 5.2145 | -3.0312 | 2.0563 | 63.0146 | 18.2091 | 2.05662 |
| 9100  | 5.2205 | -3.0377 | 2.0646 | 63.2643 | 18.2574 | 2.06504 |
| 9200  | 5.2267 | -3.0444 | 2.0737 | 63.5274 | 18.3206 | 2.07420 |
| 9300  | 5.2333 | -3.0512 | 2.0836 | 63.8049 | 18.3997 | 2.08417 |
| 9400  | 5.2402 | -3.0580 | 2.0944 | 64.0978 | 18.4953 | 2.09503 |
| 9500  | 5.2474 | -3.0651 | 2.1061 | 64.4068 | 18.6080 | 2.10681 |
| 9600  | 5.2550 | -3.0722 | 2.1186 | 64.7330 | 18.7388 | 2.11960 |
| 9700  | 5.2630 | -3.0795 | 2.1325 | 65.0772 | 18.8880 | 2.13345 |
| 9800  | 5.2713 | -3.0870 | 2.1473 | 65.4403 | 19.0565 | 2.14841 |
| 9900  | 5.2800 | -3.0946 | 2.1633 | 65.8232 | 19.2451 | 2.16457 |
| 10000 | 5.2890 | -3.1024 | 2.1806 | 66.2268 | 19.4542 | 2.18198 |
| 10100 | 5.2984 | -3.1104 | 2.1991 | 66.6515 | 19.6843 | 2.20068 |
| 10200 | 5.3082 | -3.1186 | 2.2190 | 67.0985 | 19.9361 | 2.22076 |
| 10300 | 5.3184 | -3.1270 | 2.2403 | 67.5679 | 20.2098 | 2.24224 |
| 10400 | 5.3289 | -3.1356 | 2.2631 | 68.0610 | 20.5062 | 2.26522 |
| 10500 | 5.3398 | -3.1444 | 2.2873 | 68.5778 | 20.8252 | 2.28971 |
| 10600 | 5.3510 | -3.1534 | 2.3131 | 69.1187 | 21.1672 | 2.31576 |
| 10700 | 5.3625 | -3.1626 | 2.3405 | 69.6843 | 21.5322 | 2.34342 |
| 10800 | 5.3743 | -3.1719 | 2.3695 | 70.2745 | 21.9203 | 2.37271 |
| 10900 | 5.3863 | -3.1815 | 2.4001 | 70.8887 | 22.3307 | 2.40363 |
| 11000 | 5.3986 | -3.1913 | 2.4323 | 71.5274 | 22.7635 | 2.43620 |
| 11100 | 5.4112 | -3.2012 | 2.4662 | 72.1902 | 23.2182 | 2.47044 |
| 11200 | 5.4239 | -3.2113 | 2.5017 | 72.8758 | 23.6935 | 2.50629 |
| 11300 | 5.4367 | -3.2216 | 2.5388 | 73.5835 | 24.1885 | 2.54373 |
| 11400 | 5.4496 | -3.2319 | 2.5774 | 74.3123 | 24.7019 | 2.58270 |
| 11500 | 5.4627 | -3.2424 | 2.6174 | 75.0609 | 25.2324 | 2.62317 |
| 11600 | 5.4757 | -3.2530 | 2.6588 | 75.8267 | 25.7773 | 2.66499 |
| 11700 | 5.4887 | -3.2636 | 2.7015 | 76.6086 | 26.3354 | 2.70809 |
| 11800 | 5.5017 | -3.2743 | 2.7452 | 77.4029 | 26.9032 | 2.75228 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 11900 | 5.5146 | -3.2850 | 2.7900 | 78.2084 | 27.4792 | 2.79747 |
| 12000 | 5.5273 | -3.2957 | 2.8355 | 79.0223 | 28.0606 | 2.84352 |
| 12100 | 5.5398 | -3.3063 | 2.8817 | 79.8395 | 28.6430 | 2.89014 |
| 12200 | 5.5521 | -3.3168 | 2.9283 | 80.6598 | 29.2247 | 2.93723 |
| 12300 | 5.5642 | -3.3273 | 2.9752 | 81.4778 | 29.8018 | 2.98452 |
| 12400 | 5.5759 | -3.3376 | 3.0221 | 82.2908 | 30.3712 | 3.03182 |
| 12500 | 5.5873 | -3.3477 | 3.0687 | 83.0956 | 30.9300 | 3.07893 |
| 12600 | 5.5983 | -3.3577 | 3.1150 | 83.8891 | 31.4747 | 3.12562 |
| 12700 | 5.6090 | -3.3674 | 3.1607 | 84.6682 | 32.0029 | 3.17167 |
| 12800 | 5.6193 | -3.3770 | 3.2055 | 85.4297 | 32.5116 | 3.21688 |
| 12900 | 5.6291 | -3.3863 | 3.2494 | 86.1716 | 32.9986 | 3.26109 |
| 13000 | 5.6385 | -3.3953 | 3.2920 | 86.8907 | 33.4612 | 3.30408 |
| 13100 | 5.6474 | -3.4040 | 3.3333 | 87.5854 | 33.8979 | 3.34571 |
| 13200 | 5.6560 | -3.4125 | 3.3732 | 88.2542 | 34.3073 | 3.38586 |
| 13300 | 5.6640 | -3.4207 | 3.4115 | 88.8963 | 34.6890 | 3.42444 |
| 13400 | 5.6717 | -3.4286 | 3.4482 | 89.5099 | 35.0415 | 3.46133 |
| 13500 | 5.6789 | -3.4362 | 3.4832 | 90.0952 | 35.3652 | 3.49651 |
| 13600 | 5.6857 | -3.4435 | 3.5164 | 90.6520 | 35.6598 | 3.52992 |
| 13700 | 5.6921 | -3.4505 | 3.5478 | 91.1796 | 35.9253 | 3.56153 |
| 13800 | 5.6981 | -3.4573 | 3.5775 | 91.6792 | 36.1627 | 3.59135 |
| 13900 | 5.7038 | -3.4638 | 3.6055 | 92.1506 | 36.3724 | 3.61940 |
| 14000 | 5.7093 | -3.4701 | 3.6317 | 92.6120 | 36.5724 | 3.64574 |
| 14100 | 5.7141 | -3.4761 | 3.6563 | 93.0144 | 36.7141 | 3.67038 |
| 14200 | 5.7187 | -3.4819 | 3.6793 | 93.4085 | 36.8483 | 3.69340 |
| 14300 | 5.7231 | -3.4875 | 3.7007 | 93.7786 | 36.9596 | 3.71484 |
| 14400 | 5.7272 | -3.4928 | 3.7207 | 94.1268 | 37.0497 | 3.73481 |
| 14500 | 5.7310 | -3.4980 | 3.7392 | 94.4534 | 37.1196 | 3.75334 |
| 14600 | 5.7346 | -3.5030 | 3.7564 | 94.7597 | 37.1709 | 3.77051 |
| 14700 | 5.7379 | -3.5078 | 3.7724 | 95.0479 | 37.2050 | 3.78644 |
| 14800 | 5.7411 | -3.5124 | 3.7871 | 95.3185 | 37.2233 | 3.80118 |
| 14900 | 5.7440 | -3.5169 | 3.8008 | 95.5726 | 37.2268 | 3.81479 |
| 15000 | 5.7468 | -3.5213 | 3.8134 | 95.8117 | 37.2170 | 3.82736 |

LOG P=-1.1

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5412  | -.6631  | .9984  | 22.6125 | 3.4767 | 1.00000 |
| 200  | 2.8433  | -.9648  | .9998  | 25.0318 | 3.4856 | 1.00000 |
| 300  | 3.0198  | -1.1410 | 1.0000 | 26.4522 | 3.4889 | 1.00000 |
| 400  | 3.1455  | -1.2659 | 1.0000 | 27.4636 | 3.4951 | 1.00000 |
| 500  | 3.2439  | -1.3628 | 1.0000 | 28.2562 | 3.5073 | 1.00000 |
| 600  | 3.3256  | -1.4420 | 1.0000 | 28.9166 | 3.5270 | 1.00000 |
| 700  | 3.3955  | -1.5089 | 1.0000 | 29.4870 | 3.5516 | 1.00000 |
| 800  | 3.4572  | -1.5670 | 1.0000 | 29.9920 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -1.6181 | 1.0000 | 30.4487 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -1.6639 | 1.0000 | 30.8632 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -1.7053 | 1.0000 | 31.2461 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -1.7431 | 1.0000 | 31.6010 | 3.7122 | 1.00000 |
| 1300 | 3.6874  | -1.7778 | 1.0000 | 31.9320 | 3.7452 | 1.00000 |
| 1400 | 3.7234  | -1.8100 | 1.0000 | 32.2430 | 3.7777 | 1.00000 |
| 1500 | 3.7570  | -1.8400 | 1.0000 | 32.5370 | 3.8099 | 1.00000 |
| 1500 | 3.7570  | -1.8400 | 1.0000 | 32.5380 | 3.8097 | 1.00000 |
| 1600 | 3.7887  | -1.8680 | 1.0000 | 32.8172 | 3.8423 | 1.00001 |
| 1700 | 3.8187  | -1.8943 | 1.0001 | 33.0836 | 3.8750 | 1.00003 |
| 1800 | 3.8473  | -1.9192 | 1.0001 | 33.3396 | 3.9082 | 1.00010 |
| 1900 | 3.8747  | -1.9427 | 1.0003 | 33.5878 | 3.9442 | 1.00023 |
| 2000 | 3.9014  | -1.9651 | 1.0006 | 33.8311 | 3.9844 | 1.00053 |
| 2100 | 3.9277  | -1.9866 | 1.0011 | 34.0738 | 4.0312 | 1.00110 |
| 2200 | 3.9542  | -2.0072 | 1.0022 | 34.3210 | 4.0903 | 1.00214 |
| 2300 | 3.9813  | -2.0273 | 1.0039 | 34.5794 | 4.1649 | 1.00390 |
| 2400 | 4.0099  | -2.0470 | 1.0068 | 34.8571 | 4.2632 | 1.00674 |
| 2500 | 4.0407  | -2.0666 | 1.0111 | 35.1634 | 4.3932 | 1.01111 |
| 2600 | 4.0741  | -2.0864 | 1.0175 | 35.5077 | 4.5621 | 1.01751 |
| 2700 | 4.1104  | -2.1066 | 1.0265 | 35.8982 | 4.7761 | 1.02645 |

|      |        |         |        |         |         |         |
|------|--------|---------|--------|---------|---------|---------|
| 2800 | 4.1497 | -2.1274 | 1.0384 | 36.3409 | 5.0409  | 1.03836 |
| 2900 | 4.1910 | -2.1489 | 1.0534 | 36.8348 | 5.3527  | 1.05343 |
| 3000 | 4.2332 | -2.1709 | 1.0714 | 37.3725 | 5.7028  | 1.07139 |
| 3100 | 4.2744 | -2.1932 | 1.0914 | 37.9297 | 6.0675  | 1.09143 |
| 3200 | 4.3127 | -2.2152 | 1.1122 | 38.4804 | 6.4196  | 1.11219 |
| 3300 | 4.3465 | -2.2362 | 1.1320 | 38.9931 | 6.7299  | 1.13198 |
| 3400 | 4.3752 | -2.2558 | 1.1494 | 39.4456 | 6.9781  | 1.14943 |
| 3500 | 4.3987 | -2.2738 | 1.1638 | 39.8286 | 7.1556  | 1.16375 |
| 3600 | 4.4179 | -2.2902 | 1.1749 | 40.1469 | 7.2708  | 1.17493 |
| 3700 | 4.4337 | -2.3052 | 1.1834 | 40.4128 | 7.3361  | 1.18341 |
| 3800 | 4.4472 | -2.3191 | 1.1899 | 40.6403 | 7.3684  | 1.18984 |
| 3900 | 4.4591 | -2.3322 | 1.1949 | 40.8440 | 7.3801  | 1.19487 |
| 4000 | 4.4702 | -2.3447 | 1.1990 | 41.0329 | 7.3816  | 1.19901 |
| 4100 | 4.4810 | -2.3568 | 1.2027 | 41.2153 | 7.3823  | 1.20269 |
| 4200 | 4.4918 | -2.3685 | 1.2063 | 41.3992 | 7.3877  | 1.20624 |
| 4300 | 4.5029 | -2.3801 | 1.2100 | 41.5890 | 7.4039  | 1.20996 |
| 4400 | 4.5147 | -2.3916 | 1.2141 | 41.7900 | 7.4341  | 1.21410 |
| 4500 | 4.5274 | -2.4031 | 1.2189 | 42.0077 | 7.4846  | 1.21892 |
| 4600 | 4.5412 | -2.4146 | 1.2247 | 42.2466 | 7.5580  | 1.22465 |
| 4700 | 4.5563 | -2.4264 | 1.2316 | 42.5121 | 7.6598  | 1.23155 |
| 4800 | 4.5731 | -2.4385 | 1.2399 | 42.8098 | 7.7949  | 1.23990 |
| 4900 | 4.5916 | -2.4510 | 1.2500 | 43.1453 | 7.9682  | 1.25002 |
| 5000 | 4.6124 | -2.4640 | 1.2622 | 43.5321 | 8.1927  | 1.26220 |
| 5100 | 4.6348 | -2.4775 | 1.2767 | 43.9606 | 8.4562  | 1.27614 |
| 5200 | 4.6591 | -2.4918 | 1.2940 | 44.4436 | 8.7723  | 1.29399 |
| 5300 | 4.6855 | -2.5068 | 1.3143 | 44.9869 | 9.1454  | 1.31428 |
| 5400 | 4.7137 | -2.5227 | 1.3379 | 45.5948 | 9.5784  | 1.33788 |
| 5500 | 4.7436 | -2.5394 | 1.3651 | 46.2709 | 10.0745 | 1.36507 |
| 5600 | 4.7748 | -2.5569 | 1.3959 | 47.0137 | 10.6309 | 1.39587 |
| 5700 | 4.8070 | -2.5752 | 1.4305 | 47.8246 | 11.2480 | 1.43045 |
| 5800 | 4.8396 | -2.5942 | 1.4685 | 48.6955 | 11.9177 | 1.46853 |
| 5900 | 4.8723 | -2.6136 | 1.5096 | 49.6199 | 12.6320 | 1.50983 |
| 6000 | 4.9043 | -2.6333 | 1.5535 | 50.5780 | 13.3713 | 1.55348 |
| 6100 | 4.9351 | -2.6529 | 1.5987 | 51.5535 | 14.1193 | 1.59866 |
| 6200 | 4.9642 | -2.6722 | 1.6442 | 52.5232 | 14.8535 | 1.64422 |
| 6300 | 4.9911 | -2.6908 | 1.6890 | 53.4643 | 15.5520 | 1.68896 |
| 6400 | 5.0155 | -2.7085 | 1.7315 | 54.3544 | 16.1915 | 1.73153 |
| 6500 | 5.0372 | -2.7250 | 1.7712 | 55.1799 | 16.7616 | 1.77123 |
| 6600 | 5.0563 | -2.7404 | 1.8072 | 55.9272 | 17.2494 | 1.80717 |
| 6700 | 5.0728 | -2.7545 | 1.8388 | 56.5892 | 17.6489 | 1.83883 |
| 6800 | 5.0870 | -2.7674 | 1.8664 | 57.1708 | 17.9666 | 1.86637 |
| 6900 | 5.0990 | -2.7791 | 1.8897 | 57.6734 | 18.2051 | 1.88974 |
| 7000 | 5.1094 | -2.7899 | 1.9095 | 58.1083 | 18.3767 | 1.90948 |
| 7100 | 5.1182 | -2.7997 | 1.9259 | 58.4824 | 18.4892 | 1.92588 |
| 7200 | 5.1258 | -2.8089 | 1.9395 | 58.8067 | 18.5545 | 1.93931 |
| 7300 | 5.1324 | -2.8174 | 1.9506 | 59.0899 | 18.5816 | 1.95031 |
| 7400 | 5.1383 | -2.8254 | 1.9603 | 59.3418 | 18.5806 | 1.96031 |
| 7500 | 5.1436 | -2.8330 | 1.9683 | 59.5679 | 18.5575 | 1.96831 |
| 7600 | 5.1484 | -2.8403 | 1.9751 | 59.7749 | 18.5190 | 1.97516 |
| 7700 | 5.1530 | -2.8473 | 1.9811 | 59.9676 | 18.4698 | 1.98113 |
| 7800 | 5.1573 | -2.8540 | 1.9864 | 60.1502 | 18.4144 | 1.98646 |
| 7900 | 5.1614 | -2.8606 | 1.9913 | 60.3261 | 18.3561 | 1.99137 |
| 8000 | 5.1655 | -2.8671 | 1.9959 | 60.4981 | 18.2977 | 1.99598 |
| 8100 | 5.1695 | -2.8735 | 2.0004 | 60.6684 | 18.2411 | 2.00043 |
| 8200 | 5.1736 | -2.8797 | 2.0048 | 60.8391 | 18.1883 | 2.00486 |
| 8300 | 5.1777 | -2.8860 | 2.0092 | 61.0118 | 18.1407 | 2.00934 |
| 8400 | 5.1820 | -2.8922 | 2.0138 | 61.1880 | 18.0999 | 2.01397 |
| 8500 | 5.1863 | -2.8983 | 2.0187 | 61.3690 | 18.0669 | 2.01834 |
| 8600 | 5.1908 | -2.9045 | 2.0238 | 61.5560 | 18.0428 | 2.02400 |
| 8700 | 5.1955 | -2.9107 | 2.0293 | 61.7500 | 18.0283 | 2.02953 |
| 8800 | 5.2003 | -2.9170 | 2.0352 | 61.9521 | 18.0244 | 2.03548 |
| 8900 | 5.2054 | -2.9232 | 2.0416 | 62.1633 | 18.0319 | 2.04193 |
| 9000 | 5.2108 | -2.9296 | 2.0486 | 62.3845 | 18.0515 | 2.04891 |
| 9100 | 5.2163 | -2.9359 | 2.0561 | 62.6166 | 18.0840 | 2.05651 |
| 9200 | 5.2222 | -2.9424 | 2.0643 | 62.8604 | 18.1299 | 2.06475 |
| 9300 | 5.2283 | -2.9490 | 2.0732 | 63.1168 | 18.1901 | 2.07372 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 9400  | 5.2348 | -2.9556 | 2.0829 | 63.3869 | 18.2652 | 2.08347 |
| 9500  | 5.2415 | -2.9624 | 2.0933 | 63.6711 | 18.3558 | 2.09403 |
| 9600  | 5.2486 | -2.9693 | 2.1047 | 63.9707 | 18.4626 | 2.10550 |
| 9700  | 5.2560 | -2.9763 | 2.1170 | 64.2863 | 18.5862 | 2.11790 |
| 9800  | 5.2637 | -2.9835 | 2.1303 | 64.6186 | 18.7272 | 2.13130 |
| 9900  | 5.2718 | -2.9908 | 2.1446 | 64.9688 | 18.8864 | 2.14578 |
| 10000 | 5.2802 | -2.9983 | 2.1601 | 65.3374 | 19.0643 | 2.16137 |
| 10100 | 5.2890 | -3.0060 | 2.1766 | 65.7250 | 19.2613 | 2.17814 |
| 10200 | 5.2982 | -3.0138 | 2.1945 | 66.1327 | 19.4782 | 2.19614 |
| 10300 | 5.3076 | -3.0218 | 2.2136 | 66.5606 | 19.7150 | 2.21541 |
| 10400 | 5.3175 | -3.0300 | 2.2340 | 67.0100 | 19.9728 | 2.23604 |
| 10500 | 5.3276 | -3.0383 | 2.2557 | 67.4811 | 20.2514 | 2.25805 |
| 10600 | 5.3382 | -3.0469 | 2.2789 | 67.9743 | 20.5513 | 2.28149 |
| 10700 | 5.3490 | -3.0557 | 2.3036 | 68.4902 | 20.8728 | 2.30642 |
| 10800 | 5.3601 | -3.0646 | 2.3298 | 69.0290 | 21.2158 | 2.33286 |
| 10900 | 5.3715 | -3.0737 | 2.3574 | 69.5905 | 21.5802 | 2.36081 |
| 11000 | 5.3831 | -3.0830 | 2.3866 | 70.1749 | 21.9659 | 2.39033 |
| 11100 | 5.3950 | -3.0925 | 2.4174 | 70.7826 | 22.3729 | 2.42143 |
| 11200 | 5.4072 | -3.1022 | 2.4496 | 71.4123 | 22.8000 | 2.45407 |
| 11300 | 5.4195 | -3.1120 | 2.4835 | 72.0639 | 23.2470 | 2.48827 |
| 11400 | 5.4319 | -3.1220 | 2.5188 | 72.7365 | 23.7128 | 2.52399 |
| 11500 | 5.4445 | -3.1320 | 2.5556 | 73.4297 | 24.1966 | 2.56121 |
| 11600 | 5.4571 | -3.1422 | 2.5938 | 74.1412 | 24.6965 | 2.59983 |
| 11700 | 5.4698 | -3.1526 | 2.6333 | 74.8705 | 25.2117 | 2.63982 |
| 11800 | 5.4825 | -3.1629 | 2.6741 | 75.6147 | 25.7391 | 2.68102 |
| 11900 | 5.4951 | -3.1733 | 2.7160 | 76.3731 | 26.2779 | 2.72339 |
| 12000 | 5.5077 | -3.1838 | 2.7589 | 77.1432 | 26.8259 | 2.76682 |
| 12100 | 5.5202 | -3.1942 | 2.8027 | 77.9214 | 27.3794 | 2.81106 |
| 12200 | 5.5325 | -3.2046 | 2.8472 | 78.7066 | 27.9369 | 2.85605 |
| 12300 | 5.5447 | -3.2150 | 2.8923 | 79.4955 | 28.4953 | 2.90159 |
| 12400 | 5.5566 | -3.2253 | 2.9377 | 80.2845 | 29.0513 | 2.94746 |
| 12500 | 5.5682 | -3.2355 | 2.9833 | 81.0716 | 29.6027 | 2.99352 |
| 12600 | 5.5796 | -3.2455 | 3.0288 | 81.8531 | 30.1461 | 3.03953 |
| 12700 | 5.5906 | -3.2554 | 3.0741 | 82.6263 | 30.6788 | 3.08530 |
| 12800 | 5.6013 | -3.2651 | 3.1190 | 83.3881 | 31.1979 | 3.13063 |
| 12900 | 5.6117 | -3.2746 | 3.1633 | 84.1362 | 31.7012 | 3.17535 |
| 13000 | 5.6216 | -3.2839 | 3.2068 | 84.8675 | 32.1856 | 3.21924 |
| 13100 | 5.6311 | -3.2929 | 3.2494 | 85.5794 | 32.6491 | 3.26212 |
| 13200 | 5.6403 | -3.3017 | 3.2908 | 86.2704 | 33.0904 | 3.30388 |
| 13300 | 5.6490 | -3.3103 | 3.3309 | 86.9391 | 33.5077 | 3.34436 |
| 13400 | 5.6573 | -3.3186 | 3.3697 | 87.5832 | 33.8995 | 3.38343 |
| 13500 | 5.6652 | -3.3266 | 3.4070 | 88.2023 | 34.2653 | 3.42103 |
| 13600 | 5.6727 | -3.3343 | 3.4428 | 88.7955 | 34.6043 | 3.45705 |
| 13700 | 5.6797 | -3.3418 | 3.4769 | 89.3616 | 34.9158 | 3.49143 |
| 13800 | 5.6864 | -3.3490 | 3.5095 | 89.9011 | 35.2005 | 3.52414 |
| 13900 | 5.6927 | -3.3559 | 3.5403 | 90.4135 | 35.4578 | 3.55515 |
| 14000 | 5.6989 | -3.3626 | 3.5695 | 90.9155 | 35.7048 | 3.58450 |
| 14100 | 5.7043 | -3.3690 | 3.5971 | 91.3998 | 35.8944 | 3.61216 |
| 14200 | 5.7095 | -3.3752 | 3.6230 | 91.7949 | 36.0752 | 3.63819 |
| 14300 | 5.7144 | -3.3812 | 3.6473 | 92.2052 | 36.2317 | 3.66260 |
| 14400 | 5.7191 | -3.3869 | 3.6702 | 92.5924 | 36.3659 | 3.68548 |
| 14500 | 5.7234 | -3.3924 | 3.6915 | 92.9569 | 36.4784 | 3.70684 |
| 14600 | 5.7275 | -3.3977 | 3.7114 | 93.2996 | 36.5701 | 3.72674 |
| 14700 | 5.7313 | -3.4029 | 3.7299 | 93.6226 | 36.6432 | 3.74529 |
| 14800 | 5.7349 | -3.4078 | 3.7472 | 93.9264 | 36.6983 | 3.76255 |
| 14900 | 5.7383 | -3.4126 | 3.7633 | 94.2119 | 36.7368 | 3.77855 |
| 15000 | 5.7415 | -3.4172 | 3.7782 | 94.4808 | 36.7599 | 3.79341 |

LCG P=-1.0

| T   | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|-----|---------|---------|--------|---------|--------|---------|
| 100 | 2.5410  | -.5630  | .9980  | 22.3816 | 3.4755 | 1.00000 |
| 200 | 2.8433  | -.8648  | .9997  | 24.6012 | 3.4854 | 1.00000 |
| 300 | 3.0198  | -1.0410 | 1.0000 | 26.2222 | 3.4888 | 1.00000 |
| 400 | 3.1455  | -1.1659 | 1.0000 | 27.2334 | 3.4951 | 1.00000 |

|      |        |         |        |         |         |         |
|------|--------|---------|--------|---------|---------|---------|
| 500  | 3.2439 | -1.2628 | 1.0000 | 28.0257 | 3.5073  | 1.00000 |
| 600  | 3.3256 | -1.3420 | 1.0000 | 28.6863 | 3.5270  | 1.00000 |
| 700  | 3.3955 | -1.4089 | 1.0000 | 29.2566 | 3.5516  | 1.00000 |
| 800  | 3.4572 | -1.4670 | 1.0001 | 29.7620 | 3.5817  | 1.00000 |
| 900  | 3.5121 | -1.5181 | 1.0000 | 30.2183 | 3.6129  | 1.00000 |
| 1000 | 3.5619 | -1.5639 | 1.0000 | 30.6329 | 3.6467  | 1.00000 |
| 1100 | 3.6071 | -1.6053 | 1.0000 | 31.0161 | 3.6791  | 1.00000 |
| 1200 | 3.6488 | -1.6430 | 1.0000 | 31.3710 | 3.7122  | 1.00000 |
| 1300 | 3.6874 | -1.6778 | 1.0000 | 31.7020 | 3.7452  | 1.00000 |
| 1400 | 3.7234 | -1.7100 | 1.0000 | 32.0130 | 3.7777  | 1.00000 |
| 1500 | 3.7570 | -1.7400 | 1.0000 | 32.3069 | 3.8099  | 1.00000 |
| 1500 | 3.7570 | -1.7400 | 1.0000 | 32.3077 | 3.8097  | 1.00000 |
| 1600 | 3.7887 | -1.7680 | 1.0000 | 32.5869 | 3.8423  | 1.00001 |
| 1700 | 3.8187 | -1.7943 | 1.0001 | 32.8532 | 3.8749  | 1.00003 |
| 1800 | 3.8472 | -1.8192 | 1.0001 | 33.1090 | 3.9078  | 1.00008 |
| 1900 | 3.8746 | -1.8427 | 1.0002 | 33.3566 | 3.9433  | 1.00021 |
| 2000 | 3.9012 | -1.8651 | 1.0005 | 33.5990 | 3.9826  | 1.00047 |
| 2100 | 3.9273 | -1.8865 | 1.0010 | 33.8398 | 4.0277  | 1.00098 |
| 2200 | 3.9535 | -1.9071 | 1.0019 | 34.0838 | 4.0838  | 1.00190 |
| 2300 | 3.9802 | -1.9271 | 1.0035 | 34.3371 | 4.1537  | 1.00348 |
| 2400 | 4.0081 | -1.9467 | 1.0060 | 34.6070 | 4.2448  | 1.00601 |
| 2500 | 4.0379 | -1.9661 | 1.0100 | 34.9018 | 4.3644  | 1.00992 |
| 2600 | 4.0700 | -1.9856 | 1.0157 | 35.2305 | 4.5190  | 1.01567 |
| 2700 | 4.1048 | -2.0054 | 1.0237 | 35.6009 | 4.7148  | 1.02373 |
| 2800 | 4.1425 | -2.0258 | 1.0346 | 36.0192 | 4.9579  | 1.03453 |
| 2900 | 4.1823 | -2.0468 | 1.0483 | 36.4864 | 5.2462  | 1.04832 |
| 3000 | 4.2233 | -2.0683 | 1.0650 | 36.9983 | 5.5745  | 1.06500 |
| 3100 | 4.2639 | -2.0902 | 1.0840 | 37.5350 | 5.9232  | 1.08396 |
| 3200 | 4.3024 | -2.1120 | 1.1041 | 38.0749 | 6.2691  | 1.10411 |
| 3300 | 4.3371 | -2.1331 | 1.1239 | 38.5889 | 6.5854  | 1.12391 |
| 3400 | 4.3672 | -2.1530 | 1.1420 | 39.0535 | 6.8498  | 1.14198 |
| 3500 | 4.3922 | -2.1714 | 1.1573 | 39.4546 | 7.0488  | 1.15730 |
| 3600 | 4.4128 | -2.1882 | 1.1696 | 39.7920 | 7.1858  | 1.16959 |
| 3700 | 4.4297 | -2.2036 | 1.1791 | 40.0743 | 7.2695  | 1.17909 |
| 3800 | 4.4441 | -2.2179 | 1.1864 | 40.3148 | 7.3161  | 1.18636 |
| 3900 | 4.4566 | -2.2312 | 1.1920 | 40.5265 | 7.3374  | 1.19201 |
| 4000 | 4.4680 | -2.2439 | 1.1966 | 40.7202 | 7.3447  | 1.19658 |
| 4100 | 4.4790 | -2.2560 | 1.2005 | 40.9047 | 7.3479  | 1.20051 |
| 4200 | 4.4897 | -2.2678 | 1.2042 | 41.0868 | 7.3528  | 1.20418 |
| 4300 | 4.5007 | -2.2794 | 1.2079 | 41.2726 | 7.3660  | 1.20788 |
| 4400 | 4.5121 | -2.2908 | 1.2119 | 41.4670 | 7.3903  | 1.21186 |
| 4500 | 4.5243 | -2.3022 | 1.2164 | 41.6751 | 7.4324  | 1.21640 |
| 4600 | 4.5375 | -2.3136 | 1.2217 | 41.9013 | 7.4943  | 1.22169 |
| 4700 | 4.5519 | -2.3252 | 1.2280 | 42.1506 | 7.5814  | 1.22800 |
| 4800 | 4.5676 | -2.3370 | 1.2356 | 42.4282 | 7.6982  | 1.23559 |
| 4900 | 4.5850 | -2.3491 | 1.2448 | 42.7392 | 7.8493  | 1.24474 |
| 5000 | 4.6046 | -2.3617 | 1.2557 | 43.0967 | 8.0471  | 1.25571 |
| 5100 | 4.6256 | -2.3748 | 1.2688 | 43.4907 | 8.2794  | 1.26880 |
| 5200 | 4.6484 | -2.3885 | 1.2843 | 43.9339 | 8.5592  | 1.28434 |
| 5300 | 4.6732 | -2.4030 | 1.3026 | 44.4316 | 8.8912  | 1.30264 |
| 5400 | 4.6999 | -2.4181 | 1.3239 | 44.9883 | 9.2783  | 1.32395 |
| 5500 | 4.7282 | -2.4341 | 1.3486 | 45.6082 | 9.7243  | 1.34856 |
| 5600 | 4.7580 | -2.4509 | 1.3766 | 46.2913 | 10.2277 | 1.37661 |
| 5700 | 4.7889 | -2.4684 | 1.4083 | 47.0401 | 10.7904 | 1.40826 |
| 5800 | 4.8206 | -2.4867 | 1.4434 | 47.8495 | 11.4070 | 1.44339 |
| 5900 | 4.8526 | -2.5055 | 1.4819 | 48.7159 | 12.0724 | 1.48189 |
| 6000 | 4.8844 | -2.5247 | 1.5231 | 49.6235 | 12.7709 | 1.52306 |
| 6100 | 4.9154 | -2.5441 | 1.5663 | 50.5601 | 13.4903 | 1.56631 |
| 6200 | 4.9450 | -2.5633 | 1.6107 | 51.5058 | 14.2111 | 1.61070 |
| 6300 | 4.9729 | -2.5820 | 1.6552 | 52.4408 | 14.9133 | 1.65516 |
| 6400 | 4.9986 | -2.6001 | 1.6984 | 53.3415 | 15.5738 | 1.69838 |
| 6500 | 5.0219 | -2.6172 | 1.7396 | 54.1939 | 16.1800 | 1.73960 |
| 6600 | 5.0427 | -2.6333 | 1.7778 | 54.9805 | 16.7154 | 1.77776 |
| 6700 | 5.0608 | -2.6481 | 1.8121 | 55.6896 | 17.1698 | 1.81211 |
| 6800 | 5.0767 | -2.6618 | 1.8426 | 56.3224 | 17.5453 | 1.84259 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 6900  | 5.0903 | -2.6743 | 1.8689 | 56.8759 | 17.8406 | 1.86893 |
| 7000  | 5.1019 | -2.6858 | 1.8915 | 57.3591 | 18.0653 | 1.89153 |
| 7100  | 5.1119 | -2.6963 | 1.9105 | 57.7764 | 18.2253 | 1.91052 |
| 7200  | 5.1205 | -2.7059 | 1.9265 | 58.1385 | 18.3316 | 1.92646 |
| 7300  | 5.1280 | -2.7149 | 1.9397 | 58.4533 | 18.3931 | 1.93973 |
| 7400  | 5.1345 | -2.7233 | 1.9509 | 58.7313 | 18.4205 | 1.95089 |
| 7500  | 5.1404 | -2.7312 | 1.9602 | 58.9782 | 18.4201 | 1.96024 |
| 7600  | 5.1456 | -2.7387 | 1.9682 | 59.2014 | 18.3994 | 1.96818 |
| 7700  | 5.1505 | -2.7459 | 1.9750 | 59.4061 | 18.3638 | 1.97501 |
| 7800  | 5.1550 | -2.7528 | 1.9810 | 59.5973 | 18.3184 | 1.98100 |
| 7900  | 5.1593 | -2.7595 | 1.9863 | 59.7789 | 18.2669 | 1.98638 |
| 8000  | 5.1635 | -2.7661 | 1.9913 | 59.9540 | 18.2126 | 1.99133 |
| 8100  | 5.1676 | -2.7725 | 1.9959 | 60.1250 | 18.1577 | 1.99598 |
| 8200  | 5.1716 | -2.7788 | 2.0004 | 60.2945 | 18.1046 | 2.00049 |
| 8300  | 5.1757 | -2.7850 | 2.0048 | 60.4639 | 18.0550 | 2.00494 |
| 8400  | 5.1798 | -2.7912 | 2.0093 | 60.6354 | 18.0105 | 2.00946 |
| 8500  | 5.1840 | -2.7973 | 2.0140 | 60.8100 | 17.9722 | 2.01412 |
| 8600  | 5.1884 | -2.8035 | 2.0188 | 60.9890 | 17.9412 | 2.01898 |
| 8700  | 5.1928 | -2.8096 | 2.0239 | 61.1736 | 17.9185 | 2.02413 |
| 8800  | 5.1975 | -2.8157 | 2.0294 | 61.3648 | 17.9050 | 2.02962 |
| 8900  | 5.2023 | -2.8219 | 2.0352 | 61.5636 | 17.9015 | 2.03552 |
| 9000  | 5.2073 | -2.8281 | 2.0416 | 61.7709 | 17.9088 | 2.04188 |
| 9100  | 5.2126 | -2.8343 | 2.0484 | 61.9876 | 17.9275 | 2.04877 |
| 9200  | 5.2181 | -2.8406 | 2.0558 | 62.2144 | 17.9583 | 2.05622 |
| 9300  | 5.2238 | -2.8470 | 2.0638 | 62.4522 | 18.0017 | 2.06430 |
| 9400  | 5.2298 | -2.8535 | 2.0725 | 62.7020 | 18.0587 | 2.07306 |
| 9500  | 5.2361 | -2.8600 | 2.0819 | 62.9643 | 18.1296 | 2.08255 |
| 9600  | 5.2427 | -2.8667 | 2.0921 | 63.2402 | 18.2152 | 2.09284 |
| 9700  | 5.2496 | -2.8735 | 2.1031 | 63.5301 | 18.3159 | 2.10395 |
| 9800  | 5.2568 | -2.8804 | 2.1150 | 63.8351 | 18.4324 | 2.11596 |
| 9900  | 5.2643 | -2.8874 | 2.1278 | 64.1558 | 18.5654 | 2.12893 |
| 10000 | 5.2722 | -2.8946 | 2.1417 | 64.4931 | 18.7154 | 2.14290 |
| 10100 | 5.2804 | -2.9019 | 2.1565 | 64.8473 | 18.8826 | 2.15792 |
| 10200 | 5.2889 | -2.9094 | 2.1725 | 65.2196 | 19.0680 | 2.17405 |
| 10300 | 5.2978 | -2.9171 | 2.1896 | 65.6102 | 19.2716 | 2.19134 |
| 10400 | 5.3069 | -2.9249 | 2.2079 | 66.0201 | 19.4943 | 2.20935 |
| 10500 | 5.3165 | -2.9328 | 2.2274 | 66.4497 | 19.7361 | 2.22961 |
| 10600 | 5.3263 | -2.9410 | 2.2482 | 66.8994 | 19.9976 | 2.25067 |
| 10700 | 5.3364 | -2.9493 | 2.2704 | 67.3700 | 20.2790 | 2.27310 |
| 10800 | 5.3469 | -2.9579 | 2.2939 | 67.8616 | 20.5806 | 2.29691 |
| 10900 | 5.3576 | -2.9666 | 2.3189 | 68.3742 | 20.9020 | 2.32213 |
| 11000 | 5.3686 | -2.9754 | 2.3452 | 68.9082 | 21.2437 | 2.34879 |
| 11100 | 5.3799 | -2.9845 | 2.3730 | 69.4641 | 21.6056 | 2.37695 |
| 11200 | 5.3914 | -2.9937 | 2.4023 | 70.0409 | 21.9871 | 2.40657 |
| 11300 | 5.4031 | -3.0031 | 2.4330 | 70.6390 | 22.3878 | 2.43767 |
| 11400 | 5.4150 | -3.0126 | 2.4652 | 71.2575 | 22.8075 | 2.47025 |
| 11500 | 5.4270 | -3.0223 | 2.4989 | 71.8967 | 23.2455 | 2.50430 |
| 11600 | 5.4392 | -3.0321 | 2.5339 | 72.5546 | 23.7002 | 2.53976 |
| 11700 | 5.4515 | -3.0420 | 2.5703 | 73.2312 | 24.1713 | 2.57662 |
| 11800 | 5.4638 | -3.0520 | 2.6080 | 73.9242 | 24.6565 | 2.61476 |
| 11900 | 5.4762 | -3.0621 | 2.6469 | 74.6330 | 25.1551 | 2.65417 |
| 12000 | 5.4885 | -3.0723 | 2.6870 | 75.3562 | 25.6656 | 2.69475 |
| 12100 | 5.5008 | -3.0825 | 2.7281 | 76.0904 | 26.1846 | 2.73633 |
| 12200 | 5.5131 | -3.0927 | 2.7701 | 76.8349 | 26.7115 | 2.77884 |
| 12300 | 5.5252 | -3.1029 | 2.8129 | 77.5870 | 27.2431 | 2.82214 |
| 12400 | 5.5371 | -3.1131 | 2.8563 | 78.3436 | 27.7770 | 2.86603 |
| 12500 | 5.5489 | -3.1232 | 2.9002 | 79.1033 | 28.3115 | 2.91043 |
| 12600 | 5.5604 | -3.1332 | 2.9444 | 79.8625 | 28.8432 | 2.95510 |
| 12700 | 5.5717 | -3.1431 | 2.9887 | 80.6191 | 29.3697 | 2.99989 |
| 12800 | 5.5827 | -3.1529 | 3.0329 | 81.3699 | 29.8882 | 3.04460 |
| 12900 | 5.5934 | -3.1626 | 3.0769 | 82.1128 | 30.3966 | 3.08908 |
| 13000 | 5.6038 | -3.1720 | 3.1205 | 82.8449 | 30.8917 | 3.13312 |
| 13100 | 5.6138 | -3.1813 | 3.1634 | 83.5628 | 31.3713 | 3.17652 |
| 13200 | 5.6235 | -3.1903 | 3.2057 | 84.2656 | 31.8339 | 3.21916 |
| 13300 | 5.6328 | -3.1992 | 3.2470 | 84.9508 | 32.2772 | 3.26087 |
| 13400 | 5.6416 | -3.2078 | 3.2872 | 85.6160 | 32.6990 | 3.30148 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 13500 | 5.6501 | -3.2162 | 3.3263 | 86.2602 | 33.0986 | 3.34090 |
| 13600 | 5.6583 | -3.2243 | 3.3641 | 86.8820 | 33.4747 | 3.37901 |
| 13700 | 5.6660 | -3.2321 | 3.4005 | 87.4799 | 33.8260 | 3.41569 |
| 13800 | 5.6733 | -3.2397 | 3.4354 | 88.0536 | 34.1525 | 3.45090 |
| 13900 | 5.6803 | -3.2471 | 3.4689 | 88.6021 | 34.4535 | 3.48454 |
| 14000 | 5.6870 | -3.2541 | 3.5007 | 89.1410 | 34.7445 | 3.51663 |
| 14100 | 5.6930 | -3.2610 | 3.5311 | 89.6245 | 34.9800 | 3.54714 |
| 14200 | 5.6989 | -3.2676 | 3.5598 | 90.0988 | 35.2063 | 3.57606 |
| 14300 | 5.7044 | -3.2739 | 3.5870 | 90.5482 | 35.4079 | 3.60338 |
| 14400 | 5.7097 | -3.2801 | 3.6127 | 90.9745 | 35.5868 | 3.62916 |
| 14500 | 5.7146 | -3.2860 | 3.6369 | 91.3774 | 35.7429 | 3.65339 |
| 14600 | 5.7192 | -3.2916 | 3.6595 | 91.7576 | 35.8773 | 3.67613 |
| 14700 | 5.7235 | -3.2971 | 3.6808 | 92.1173 | 35.9916 | 3.69746 |
| 14800 | 5.7276 | -3.3024 | 3.7008 | 92.4567 | 36.0866 | 3.71741 |
| 14900 | 5.7315 | -3.3075 | 3.7194 | 92.7763 | 36.1630 | 3.73602 |
| 15000 | 5.7351 | -3.3124 | 3.7367 | 93.0778 | 36.2224 | 3.75338 |

LCG P= -.9

| I    | LOG H/R | LOG RHC | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5407  | -.4626  | .9972  | 22.1504 | 3.4733 | 1.00000 |
| 200  | 2.8432  | -.7647  | .9997  | 24.5709 | 3.4851 | 1.00000 |
| 300  | 3.0198  | -.9410  | 1.0000 | 25.9920 | 3.4887 | 1.00000 |
| 400  | 3.1455  | -1.0659 | 1.0000 | 27.0029 | 3.4950 | 1.00000 |
| 500  | 3.2439  | -1.1628 | 1.0000 | 27.7954 | 3.5073 | 1.00000 |
| 600  | 3.3256  | -1.2420 | 1.0001 | 28.4558 | 3.5270 | 1.00000 |
| 700  | 3.3955  | -1.3089 | 1.0000 | 29.0266 | 3.5516 | 1.00000 |
| 800  | 3.4572  | -1.3670 | 1.0001 | 29.5319 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -1.4181 | 1.0001 | 29.9878 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -1.4639 | 1.0001 | 30.4029 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -1.5053 | 1.0000 | 30.7857 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -1.5431 | 1.0000 | 31.1407 | 3.7122 | 1.00000 |
| 1300 | 3.6874  | -1.5778 | 1.0000 | 31.4719 | 3.7452 | 1.00000 |
| 1400 | 3.7234  | -1.6100 | 1.0000 | 31.7830 | 3.7777 | 1.00000 |
| 1500 | 3.7570  | -1.6400 | 1.0001 | 32.0769 | 3.8099 | 1.00000 |
| 1500 | 3.7570  | -1.6400 | 1.0000 | 32.0775 | 3.8097 | 1.00000 |
| 1600 | 3.7887  | -1.6680 | 1.0000 | 32.3566 | 3.8422 | 1.00001 |
| 1700 | 3.8187  | -1.6943 | 1.0001 | 32.6228 | 3.8748 | 1.00002 |
| 1800 | 3.8472  | -1.7192 | 1.0001 | 32.8784 | 3.9075 | 1.00008 |
| 1900 | 3.8745  | -1.7427 | 1.0002 | 33.1256 | 3.9426 | 1.00019 |
| 2000 | 3.9010  | -1.7651 | 1.0004 | 33.3670 | 3.9811 | 1.00042 |
| 2100 | 3.9270  | -1.7865 | 1.0009 | 33.6062 | 4.0246 | 1.00088 |
| 2200 | 3.9529  | -1.8070 | 1.0017 | 33.8474 | 4.0781 | 1.00169 |
| 2300 | 3.9791  | -1.8269 | 1.0031 | 34.0961 | 4.1437 | 1.00310 |
| 2400 | 4.0064  | -1.8464 | 1.0054 | 34.3589 | 4.2282 | 1.00537 |
| 2500 | 4.0353  | -1.8656 | 1.0089 | 34.6436 | 4.3385 | 1.00886 |
| 2600 | 4.0663  | -1.8849 | 1.0140 | 34.9581 | 4.4803 | 1.01402 |
| 2700 | 4.0997  | -1.9044 | 1.0213 | 35.3101 | 4.6594 | 1.02127 |
| 2800 | 4.1358  | -1.9243 | 1.0311 | 35.7060 | 4.8824 | 1.03104 |
| 2900 | 4.1741  | -1.9448 | 1.0437 | 36.1478 | 5.1484 | 1.04363 |
| 3000 | 4.2139  | -1.9659 | 1.0591 | 36.6340 | 5.4547 | 1.05903 |
| 3100 | 4.2537  | -1.9874 | 1.0769 | 37.1486 | 5.7855 | 1.07685 |
| 3200 | 4.2920  | -2.0089 | 1.0962 | 37.6742 | 6.1219 | 1.09620 |
| 3300 | 4.3274  | -2.0300 | 1.1158 | 38.1851 | 6.4394 | 1.11577 |
| 3400 | 4.3586  | -2.0500 | 1.1342 | 38.6573 | 6.7156 | 1.13421 |
| 3500 | 4.3850  | -2.0688 | 1.1504 | 39.0736 | 6.9335 | 1.15036 |
| 3600 | 4.4071  | -2.0860 | 1.1637 | 39.4291 | 7.0916 | 1.16370 |
| 3700 | 4.4252  | -2.1018 | 1.1743 | 39.7285 | 7.1948 | 1.17424 |
| 3800 | 4.4405  | -2.1164 | 1.1824 | 39.9830 | 7.2569 | 1.18241 |
| 3900 | 4.4538  | -2.1300 | 1.1888 | 40.2046 | 7.2896 | 1.18877 |
| 4000 | 4.4656  | -2.1429 | 1.1939 | 40.4045 | 7.3043 | 1.19385 |
| 4100 | 4.4768  | -2.1551 | 1.1981 | 40.5920 | 7.3113 | 1.19812 |
| 4200 | 4.4876  | -2.1670 | 1.2020 | 40.7741 | 7.3171 | 1.20197 |
| 4300 | 4.4985  | -2.1786 | 1.2057 | 40.9573 | 7.3284 | 1.20571 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 4400  | 4.5097 | -2.1900 | 1.2096 | 41.1463 | 7.3484  | 1.20961 |
| 4500  | 4.5215 | -2.2013 | 1.2139 | 41.3463 | 7.3834  | 1.21393 |
| 4600  | 4.5341 | -2.2126 | 1.2189 | 41.5615 | 7.4355  | 1.21887 |
| 4700  | 4.5477 | -2.2240 | 1.2247 | 41.7967 | 7.5099  | 1.22468 |
| 4800  | 4.5627 | -2.2356 | 1.2316 | 42.0565 | 7.6105  | 1.23160 |
| 4900  | 4.5790 | -2.2474 | 1.2399 | 42.3458 | 7.7419  | 1.23990 |
| 5000  | 4.5975 | -2.2597 | 1.2498 | 42.6770 | 7.9159  | 1.24980 |
| 5100  | 4.6171 | -2.2724 | 1.2616 | 43.0401 | 8.1202  | 1.26160 |
| 5200  | 4.6386 | -2.2856 | 1.2756 | 43.4473 | 8.3674  | 1.27559 |
| 5300  | 4.6619 | -2.2994 | 1.2921 | 43.9036 | 8.6620  | 1.29208 |
| 5400  | 4.6870 | -2.3140 | 1.3113 | 44.4138 | 9.0072  | 1.31130 |
| 5500  | 4.7138 | -2.3292 | 1.3336 | 44.9819 | 9.4067  | 1.33358 |
| 5600  | 4.7421 | -2.3453 | 1.3590 | 45.6090 | 9.8603  | 1.35902 |
| 5700  | 4.7717 | -2.3621 | 1.3879 | 46.2986 | 10.3707 | 1.38787 |
| 5800  | 4.8022 | -2.3796 | 1.4201 | 47.0477 | 10.9347 | 1.42012 |
| 5900  | 4.8334 | -2.3978 | 1.4558 | 47.8547 | 11.5495 | 1.45574 |
| 6000  | 4.8646 | -2.4164 | 1.4943 | 48.7083 | 12.2032 | 1.49425 |
| 6100  | 4.8955 | -2.4354 | 1.5352 | 49.5991 | 12.8864 | 1.53523 |
| 6200  | 4.9254 | -2.4543 | 1.5760 | 50.5112 | 13.5834 | 1.57794 |
| 6300  | 4.9540 | -2.4731 | 1.6215 | 51.4273 | 14.2768 | 1.62148 |
| 6400  | 4.9807 | -2.4914 | 1.6647 | 52.3255 | 14.9446 | 1.66464 |
| 6500  | 5.0053 | -2.5089 | 1.7067 | 53.1916 | 15.5741 | 1.70666 |
| 6600  | 5.0276 | -2.5256 | 1.7465 | 54.0065 | 16.1470 | 1.74645 |
| 6700  | 5.0475 | -2.5411 | 1.7831 | 54.7550 | 16.6490 | 1.78305 |
| 6800  | 5.0650 | -2.5555 | 1.8162 | 55.4345 | 17.0785 | 1.81622 |
| 6900  | 5.0801 | -2.5688 | 1.8455 | 56.0374 | 17.4296 | 1.84545 |
| 7000  | 5.0933 | -2.5810 | 1.8710 | 56.5699 | 17.7092 | 1.87096 |
| 7100  | 5.1046 | -2.5922 | 1.8927 | 57.0332 | 17.9197 | 1.89271 |
| 7200  | 5.1143 | -2.6025 | 1.9112 | 57.4365 | 18.0713 | 1.91116 |
| 7300  | 5.1227 | -2.6120 | 1.9267 | 57.7871 | 18.1720 | 1.92665 |
| 7400  | 5.1301 | -2.6208 | 1.9397 | 58.0954 | 18.2326 | 1.93973 |
| 7500  | 5.1366 | -2.6291 | 1.9507 | 58.3673 | 18.2594 | 1.95068 |
| 7600  | 5.1423 | -2.6369 | 1.9599 | 58.6106 | 18.2609 | 1.95996 |
| 7700  | 5.1476 | -2.6443 | 1.9678 | 58.8309 | 18.2426 | 1.96786 |
| 7800  | 5.1524 | -2.6515 | 1.9747 | 59.0340 | 18.2105 | 1.97471 |
| 7900  | 5.1570 | -2.6583 | 1.9807 | 59.2241 | 18.1689 | 1.98074 |
| 8000  | 5.1613 | -2.6650 | 1.9861 | 59.4048 | 18.1214 | 1.98618 |
| 8100  | 5.1655 | -2.6714 | 1.9911 | 59.5790 | 18.0707 | 1.99117 |
| 8200  | 5.1696 | -2.6778 | 1.9958 | 59.7493 | 18.0195 | 1.99588 |
| 8300  | 5.1736 | -2.6840 | 2.0003 | 59.9176 | 17.9698 | 2.00043 |
| 8400  | 5.1777 | -2.6902 | 2.0048 | 60.0860 | 17.9234 | 2.00493 |
| 8500  | 5.1818 | -2.6963 | 2.0093 | 60.2561 | 17.8815 | 2.00948 |
| 8600  | 5.1860 | -2.7024 | 2.0140 | 60.4289 | 17.8455 | 2.01414 |
| 8700  | 5.1903 | -2.7085 | 2.0188 | 60.6058 | 17.8162 | 2.01900 |
| 8800  | 5.1948 | -2.7145 | 2.0239 | 60.7880 | 17.7948 | 2.02413 |
| 8900  | 5.1994 | -2.7206 | 2.0293 | 60.9762 | 17.7821 | 2.02958 |
| 9000  | 5.2042 | -2.7267 | 2.0351 | 61.1715 | 17.7788 | 2.03541 |
| 9100  | 5.2091 | -2.7328 | 2.0413 | 61.3748 | 17.7856 | 2.04169 |
| 9200  | 5.2143 | -2.7390 | 2.0480 | 61.5868 | 17.8031 | 2.04846 |
| 9300  | 5.2197 | -2.7452 | 2.0553 | 61.8083 | 17.8320 | 2.05576 |
| 9400  | 5.2253 | -2.7515 | 2.0631 | 62.0402 | 17.8730 | 2.06367 |
| 9500  | 5.2312 | -2.7579 | 2.0716 | 62.2831 | 17.9266 | 2.07221 |
| 9600  | 5.2374 | -2.7643 | 2.0807 | 62.5379 | 17.9933 | 2.08145 |
| 9700  | 5.2438 | -2.7709 | 2.0906 | 62.8052 | 18.0737 | 2.09144 |
| 9800  | 5.2505 | -2.7776 | 2.1013 | 63.0857 | 18.1683 | 2.10221 |
| 9900  | 5.2576 | -2.7843 | 2.1128 | 63.3802 | 18.2778 | 2.11384 |
| 10000 | 5.2649 | -2.7913 | 2.1252 | 63.6895 | 18.4028 | 2.12635 |
| 10100 | 5.2725 | -2.7983 | 2.1385 | 64.0138 | 18.5434 | 2.13981 |
| 10200 | 5.2805 | -2.8055 | 2.1528 | 64.3544 | 18.7005 | 2.15427 |
| 10300 | 5.2887 | -2.8128 | 2.1681 | 64.7113 | 18.8741 | 2.16977 |
| 10400 | 5.2973 | -2.8202 | 2.1845 | 65.0856 | 19.0653 | 2.18635 |
| 10500 | 5.3062 | -2.8279 | 2.2020 | 65.4776 | 19.2739 | 2.20409 |
| 10600 | 5.3154 | -2.8356 | 2.2207 | 65.8879 | 19.5005 | 2.22300 |
| 10700 | 5.3249 | -2.8436 | 2.2406 | 66.3172 | 19.7455 | 2.24314 |
| 10800 | 5.3347 | -2.8517 | 2.2617 | 66.7657 | 20.0091 | 2.26456 |
| 10900 | 5.3447 | -2.8600 | 2.2842 | 67.2334 | 20.2912 | 2.28727 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 11000 | 5.3551 | -2.8685 | 2.3079 | 67.7210 | 20.5922 | 2.31131 |
| 11100 | 5.3657 | -2.8771 | 2.3330 | 68.2289 | 20.9123 | 2.33674 |
| 11200 | 5.3766 | -2.8859 | 2.3594 | 68.7566 | 21.2509 | 2.36353 |
| 11300 | 5.3877 | -2.8948 | 2.3873 | 69.3043 | 21.6082 | 2.39173 |
| 11400 | 5.3990 | -2.9039 | 2.4165 | 69.8716 | 21.9844 | 2.42133 |
| 11500 | 5.4105 | -2.9132 | 2.4471 | 70.4590 | 22.3771 | 2.45235 |
| 11600 | 5.4222 | -2.9226 | 2.4790 | 71.0648 | 22.7875 | 2.48472 |
| 11700 | 5.4340 | -2.9321 | 2.5124 | 71.6895 | 23.2147 | 2.51850 |
| 11800 | 5.4458 | -2.9418 | 2.5470 | 72.3310 | 23.6568 | 2.55357 |
| 11900 | 5.4578 | -2.9515 | 2.5829 | 72.9893 | 24.1136 | 2.58994 |
| 12000 | 5.4698 | -2.9613 | 2.6200 | 73.6634 | 24.5838 | 2.62755 |
| 12100 | 5.4819 | -2.9712 | 2.6582 | 74.3505 | 25.0650 | 2.66625 |
| 12200 | 5.4939 | -2.9812 | 2.6975 | 75.0502 | 25.5564 | 2.70604 |
| 12300 | 5.5058 | -2.9911 | 2.7377 | 75.7604 | 26.0560 | 2.74676 |
| 12400 | 5.5177 | -3.0011 | 2.7787 | 76.4787 | 26.5615 | 2.78830 |
| 12500 | 5.5294 | -3.0111 | 2.8204 | 77.2042 | 27.0714 | 2.83058 |
| 12600 | 5.5410 | -3.0210 | 2.8627 | 77.9335 | 27.5829 | 2.87341 |
| 12700 | 5.5524 | -3.0309 | 2.9054 | 78.6650 | 28.0942 | 2.91665 |
| 12800 | 5.5636 | -3.0406 | 2.9483 | 79.3953 | 28.6021 | 2.96011 |
| 12900 | 5.5746 | -3.0503 | 2.9914 | 80.1230 | 29.1052 | 3.00369 |
| 13000 | 5.5852 | -3.0599 | 3.0344 | 80.8449 | 29.6002 | 3.04716 |
| 13100 | 5.5956 | -3.0693 | 3.0771 | 81.5581 | 30.0848 | 3.09035 |
| 13200 | 5.6057 | -3.0785 | 3.1194 | 82.2615 | 30.5576 | 3.13313 |
| 13300 | 5.6154 | -3.0875 | 3.1611 | 82.9526 | 31.0160 | 3.17535 |
| 13400 | 5.6248 | -3.0964 | 3.2021 | 83.6284 | 31.4579 | 3.21678 |
| 13500 | 5.6339 | -3.1050 | 3.2423 | 84.2876 | 31.8819 | 3.25735 |
| 13600 | 5.6426 | -3.1135 | 3.2815 | 84.9293 | 32.2866 | 3.29693 |
| 13700 | 5.6509 | -3.1217 | 3.3195 | 85.5506 | 32.6700 | 3.33534 |
| 13800 | 5.6588 | -3.1296 | 3.3564 | 86.1513 | 33.0318 | 3.37254 |
| 13900 | 5.6664 | -3.1373 | 3.3919 | 86.7296 | 33.3706 | 3.40840 |
| 14000 | 5.6738 | -3.1448 | 3.4261 | 87.3001 | 33.7009 | 3.44287 |
| 14100 | 5.6804 | -3.1520 | 3.4589 | 87.8187 | 33.9787 | 3.47592 |
| 14200 | 5.6869 | -3.1590 | 3.4903 | 88.3287 | 34.2477 | 3.50750 |
| 14300 | 5.6931 | -3.1658 | 3.5202 | 88.8149 | 34.4929 | 3.53757 |
| 14400 | 5.6989 | -3.1723 | 3.5486 | 89.2787 | 34.7153 | 3.56615 |
| 14500 | 5.7044 | -3.1786 | 3.5755 | 89.7193 | 34.9150 | 3.59322 |
| 14600 | 5.7096 | -3.1846 | 3.6010 | 90.1370 | 35.0923 | 3.61879 |
| 14700 | 5.7145 | -3.1905 | 3.6250 | 90.5337 | 35.2488 | 3.64293 |
| 14800 | 5.7191 | -3.1961 | 3.6477 | 90.9095 | 35.3851 | 3.66566 |
| 14900 | 5.7234 | -3.2016 | 3.6690 | 91.2645 | 35.5015 | 3.68698 |
| 15000 | 5.7275 | -3.2068 | 3.6889 | 91.6000 | 35.5993 | 3.70697 |

LOG P= -.8

| r    | LOG H/R | LOG RHC | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5404  | -.3622  | .9963  | 21.9187 | 3.4708 | 1.00000 |
| 200  | 2.8432  | -.6647  | .9995  | 24.3407 | 3.4847 | 1.00000 |
| 300  | 3.0198  | -.8410  | .9999  | 25.7614 | 3.4886 | 1.00000 |
| 400  | 3.1455  | -.9659  | 1.0000 | 26.7724 | 3.4950 | 1.00000 |
| 500  | 3.2439  | -1.0628 | 1.0001 | 27.5655 | 3.5073 | 1.00000 |
| 600  | 3.3256  | -1.1420 | 1.0001 | 28.2256 | 3.5270 | 1.00000 |
| 700  | 3.3955  | -1.2090 | 1.0001 | 28.7966 | 3.5516 | 1.00000 |
| 800  | 3.4572  | -1.2670 | 1.0001 | 29.3014 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -1.3181 | 1.0001 | 29.7577 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -1.3639 | 1.0001 | 30.1728 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -1.4053 | 1.0001 | 30.5552 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -1.4431 | 1.0001 | 30.9102 | 3.7122 | 1.00000 |
| 1300 | 3.6874  | -1.4778 | 1.0001 | 31.2414 | 3.7452 | 1.00000 |
| 1400 | 3.7234  | -1.5100 | 1.0000 | 31.5525 | 3.7777 | 1.00000 |
| 1500 | 3.7570  | -1.5400 | 1.0001 | 31.8467 | 3.8099 | 1.00000 |
| 1500 | 3.7570  | -1.5400 | 1.0001 | 31.8472 | 3.8097 | 1.00000 |
| 1600 | 3.7887  | -1.5680 | 1.0000 | 32.1263 | 3.8422 | 1.00001 |
| 1700 | 3.8187  | -1.5943 | 1.0001 | 32.3924 | 3.8747 | 1.00002 |
| 1800 | 3.8471  | -1.6192 | 1.0001 | 32.6478 | 3.9072 | 1.00007 |

|      |        |         |        |         |         |         |
|------|--------|---------|--------|---------|---------|---------|
| 1900 | 3.8745 | -1.6427 | 1.0002 | 32.8946 | 3.9419  | 1.00017 |
| 2000 | 3.9009 | -1.6651 | 1.0004 | 33.1353 | 3.9797  | 1.00038 |
| 2100 | 3.9267 | -1.6864 | 1.0008 | 33.3730 | 4.0219  | 1.00078 |
| 2200 | 3.9523 | -1.7070 | 1.0015 | 33.6116 | 4.0729  | 1.00151 |
| 2300 | 3.9782 | -1.7268 | 1.0028 | 33.8562 | 4.1348  | 1.00277 |
| 2400 | 4.0049 | -1.7462 | 1.0048 | 34.1128 | 4.2135  | 1.00479 |
| 2500 | 4.0330 | -1.7652 | 1.0079 | 34.3882 | 4.3154  | 1.00791 |
| 2600 | 4.0629 | -1.7843 | 1.0126 | 34.6900 | 4.4455  | 1.01254 |
| 2700 | 4.0950 | -1.8034 | 1.0191 | 35.0253 | 4.6095  | 1.01905 |
| 2800 | 4.1297 | -1.8230 | 1.0279 | 35.4004 | 4.8139  | 1.02788 |
| 2900 | 4.1665 | -1.8430 | 1.0394 | 35.8184 | 5.0588  | 1.03933 |
| 3000 | 4.2050 | -1.8636 | 1.0535 | 36.2797 | 5.3437  | 1.05350 |
| 3100 | 4.2438 | -1.8847 | 1.0702 | 36.7714 | 5.6555  | 1.07013 |
| 3200 | 4.2818 | -1.9059 | 1.0886 | 37.2802 | 5.9793  | 1.08856 |
| 3300 | 4.3174 | -1.9268 | 1.1077 | 37.7835 | 6.2938  | 1.10767 |
| 3400 | 4.3495 | -1.9470 | 1.1262 | 38.2589 | 6.5774  | 1.12622 |
| 3500 | 4.3773 | -1.9660 | 1.1430 | 38.6870 | 6.8109  | 1.14300 |
| 3600 | 4.4007 | -1.9836 | 1.1573 | 39.0591 | 6.9888  | 1.15729 |
| 3700 | 4.4202 | -1.9998 | 1.1689 | 39.3756 | 7.1116  | 1.16886 |
| 3800 | 4.4365 | -2.0148 | 1.1780 | 39.6448 | 7.1905  | 1.17798 |
| 3900 | 4.4506 | -2.0287 | 1.1851 | 39.8777 | 7.2360  | 1.18511 |
| 4000 | 4.4630 | -2.0418 | 1.1908 | 40.0853 | 7.2597  | 1.19078 |
| 4100 | 4.4744 | -2.0542 | 1.1955 | 40.2771 | 7.2721  | 1.19547 |
| 4200 | 4.4854 | -2.0661 | 1.1996 | 40.4606 | 7.2900  | 1.19958 |
| 4300 | 4.4963 | -2.0778 | 1.2035 | 40.6423 | 7.2909  | 1.20343 |
| 4400 | 4.5072 | -2.0891 | 1.2073 | 40.8273 | 7.3078  | 1.20731 |
| 4500 | 4.5187 | -2.1004 | 1.2115 | 41.0207 | 7.3370  | 1.21148 |
| 4600 | 4.5309 | -2.1116 | 1.2162 | 41.2265 | 7.3809  | 1.21614 |
| 4700 | 4.5439 | -2.1229 | 1.2216 | 41.4494 | 7.4442  | 1.22153 |
| 4800 | 4.5581 | -2.1343 | 1.2279 | 41.6935 | 7.5307  | 1.22788 |
| 4900 | 4.5736 | -2.1459 | 1.2354 | 41.9635 | 7.6446  | 1.23543 |
| 5000 | 4.5909 | -2.1578 | 1.2444 | 42.2714 | 7.7974  | 1.24438 |
| 5100 | 4.6094 | -2.1701 | 1.2551 | 42.6069 | 7.9766  | 1.25504 |
| 5200 | 4.6295 | -2.1829 | 1.2677 | 42.9817 | 8.1945  | 1.26765 |
| 5300 | 4.6514 | -2.1962 | 1.2825 | 43.4007 | 8.4554  | 1.28250 |
| 5400 | 4.6750 | -2.2102 | 1.2999 | 43.8685 | 8.7624  | 1.29983 |
| 5500 | 4.7003 | -2.2248 | 1.3200 | 44.3891 | 9.1194  | 1.31996 |
| 5600 | 4.7271 | -2.2401 | 1.3430 | 44.9643 | 9.5267  | 1.34300 |
| 5700 | 4.7553 | -2.2562 | 1.3693 | 45.5982 | 9.9878  | 1.36923 |
| 5800 | 4.7847 | -2.2730 | 1.3987 | 46.2894 | 10.5009 | 1.39871 |
| 5900 | 4.8148 | -2.2905 | 1.4315 | 47.0381 | 11.0653 | 1.43150 |
| 6000 | 4.8453 | -2.3085 | 1.4673 | 47.8357 | 11.6715 | 1.46725 |
| 6100 | 4.8757 | -2.3269 | 1.5057 | 48.6760 | 12.3134 | 1.50572 |
| 6200 | 4.9056 | -2.3456 | 1.5464 | 49.5465 | 12.9785 | 1.54634 |
| 6300 | 4.9346 | -2.3642 | 1.5884 | 50.4331 | 13.6522 | 1.58839 |
| 6400 | 4.9620 | -2.3825 | 1.6308 | 51.3166 | 14.3153 | 1.63083 |
| 6500 | 4.9877 | -2.4003 | 1.6730 | 52.1835 | 14.9555 | 1.67297 |
| 6600 | 5.0114 | -2.4173 | 1.7137 | 53.0146 | 15.5537 | 1.71372 |
| 6700 | 5.0327 | -2.4335 | 1.7520 | 53.7923 | 16.0933 | 1.75201 |
| 6800 | 5.0518 | -2.4486 | 1.7875 | 54.5108 | 16.5697 | 1.78745 |
| 6900 | 5.0686 | -2.4626 | 1.8193 | 55.1588 | 16.9729 | 1.81932 |
| 7000 | 5.0833 | -2.4756 | 1.8477 | 55.7390 | 17.3064 | 1.84765 |
| 7100 | 5.0960 | -2.4875 | 1.8722 | 56.2491 | 17.5694 | 1.87222 |
| 7200 | 5.1070 | -2.4984 | 1.8934 | 56.6966 | 17.7696 | 1.89335 |
| 7300 | 5.1165 | -2.5085 | 1.9113 | 57.0869 | 17.9137 | 1.91128 |
| 7400 | 5.1248 | -2.5179 | 1.9265 | 57.4299 | 18.0123 | 1.92654 |
| 7500 | 5.1321 | -2.5266 | 1.9394 | 57.7312 | 18.0713 | 1.93938 |
| 7600 | 5.1385 | -2.5348 | 1.9502 | 57.9987 | 18.0992 | 1.95024 |
| 7700 | 5.1442 | -2.5425 | 1.9594 | 58.2385 | 18.1024 | 1.95945 |
| 7800 | 5.1495 | -2.5498 | 1.9673 | 58.4570 | 18.0874 | 1.96737 |
| 7900 | 5.1543 | -2.5569 | 1.9742 | 58.6588 | 18.0588 | 1.97425 |
| 8000 | 5.1589 | -2.5637 | 1.9803 | 58.8479 | 18.0211 | 1.98034 |
| 8100 | 5.1632 | -2.5703 | 1.9858 | 59.0276 | 17.9772 | 1.98583 |
| 8200 | 5.1674 | -2.5767 | 1.9908 | 59.2011 | 17.9303 | 1.99088 |
| 8300 | 5.1715 | -2.5830 | 1.9956 | 59.3704 | 17.8827 | 1.99564 |
| 8400 | 5.1756 | -2.5892 | 2.0001 | 59.5379 | 17.8362 | 2.00025 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 8500  | 5.1797 | -2.5953 | 2.0047 | 59.7052 | 17.7927 | 2.00479 |
| 8600  | 5.1838 | -2.6014 | 2.0092 | 59.8737 | 17.7533 | 2.00935 |
| 8700  | 5.1880 | -2.6074 | 2.0139 | 60.0447 | 17.7193 | 2.01403 |
| 8800  | 5.1923 | -2.6134 | 2.0187 | 60.2196 | 17.6918 | 2.01889 |
| 8900  | 5.1967 | -2.6194 | 2.0238 | 60.3991 | 17.6716 | 2.02400 |
| 9000  | 5.2012 | -2.6254 | 2.0291 | 60.5843 | 17.6595 | 2.02940 |
| 9100  | 5.2059 | -2.6314 | 2.0348 | 60.7761 | 17.6561 | 2.03517 |
| 9200  | 5.2108 | -2.6375 | 2.0410 | 60.9752 | 17.6623 | 2.04135 |
| 9300  | 5.2159 | -2.6436 | 2.0475 | 61.1825 | 17.6785 | 2.04799 |
| 9400  | 5.2212 | -2.6497 | 2.0546 | 61.3987 | 17.7055 | 2.05514 |
| 9500  | 5.2268 | -2.6559 | 2.0623 | 61.6244 | 17.7438 | 2.06286 |
| 9600  | 5.2325 | -2.6622 | 2.0705 | 61.8606 | 17.7939 | 2.07119 |
| 9700  | 5.2386 | -2.6686 | 2.0794 | 62.1077 | 17.8563 | 2.08017 |
| 9800  | 5.2448 | -2.6750 | 2.0890 | 62.3664 | 17.9315 | 2.08984 |
| 9900  | 5.2514 | -2.6816 | 2.0993 | 62.6376 | 18.0202 | 2.10028 |
| 10000 | 5.2582 | -2.6882 | 2.1104 | 62.9218 | 18.1228 | 2.11150 |
| 10100 | 5.2653 | -2.6950 | 2.1223 | 63.2195 | 18.2396 | 2.12356 |
| 10200 | 5.2727 | -2.7019 | 2.1351 | 63.5315 | 18.3714 | 2.13653 |
| 10300 | 5.2804 | -2.7089 | 2.1488 | 63.8582 | 18.5182 | 2.15042 |
| 10400 | 5.2884 | -2.7160 | 2.1635 | 64.2006 | 18.6808 | 2.16529 |
| 10500 | 5.2967 | -2.7233 | 2.1792 | 64.5588 | 18.8595 | 2.18119 |
| 10600 | 5.3053 | -2.7308 | 2.1960 | 64.9336 | 19.0546 | 2.19816 |
| 10700 | 5.3142 | -2.7384 | 2.2138 | 65.3254 | 19.2665 | 2.21624 |
| 10800 | 5.3234 | -2.7461 | 2.2328 | 65.7347 | 19.4956 | 2.23548 |
| 10900 | 5.3328 | -2.7540 | 2.2529 | 66.1616 | 19.7417 | 2.25590 |
| 11000 | 5.3425 | -2.7621 | 2.2743 | 66.6067 | 20.0052 | 2.27754 |
| 11100 | 5.3525 | -2.7703 | 2.2969 | 67.0705 | 20.2866 | 2.30046 |
| 11200 | 5.3628 | -2.7787 | 2.3207 | 67.5526 | 20.5856 | 2.32464 |
| 11300 | 5.3733 | -2.7872 | 2.3458 | 68.0534 | 20.9020 | 2.35013 |
| 11400 | 5.3840 | -2.7959 | 2.3723 | 68.5728 | 21.2357 | 2.37693 |
| 11500 | 5.3949 | -2.8048 | 2.4000 | 69.1112 | 21.5872 | 2.40508 |
| 11600 | 5.4060 | -2.8137 | 2.4290 | 69.6674 | 21.9550 | 2.43453 |
| 11700 | 5.4173 | -2.8229 | 2.4594 | 70.2421 | 22.3396 | 2.46533 |
| 11800 | 5.4287 | -2.8321 | 2.4910 | 70.8337 | 22.7394 | 2.49741 |
| 11900 | 5.4402 | -2.8415 | 2.5239 | 71.4424 | 23.1544 | 2.53079 |
| 12000 | 5.4518 | -2.8510 | 2.5581 | 72.0674 | 23.5839 | 2.56543 |
| 12100 | 5.4635 | -2.8605 | 2.5934 | 72.7067 | 24.0256 | 2.60122 |
| 12200 | 5.4752 | -2.8701 | 2.6296 | 73.3601 | 24.4794 | 2.63816 |
| 12300 | 5.4869 | -2.8798 | 2.6672 | 74.0258 | 24.9434 | 2.67615 |
| 12400 | 5.4985 | -2.8895 | 2.7056 | 74.7022 | 25.4158 | 2.71509 |
| 12500 | 5.5101 | -2.8993 | 2.7449 | 75.3881 | 25.8956 | 2.75491 |
| 12600 | 5.5217 | -2.9090 | 2.7849 | 76.0812 | 26.3804 | 2.79548 |
| 12700 | 5.5331 | -2.9188 | 2.8255 | 76.7801 | 26.8688 | 2.83669 |
| 12800 | 5.5443 | -2.9284 | 2.8667 | 77.4820 | 27.3581 | 2.87839 |
| 12900 | 5.5554 | -2.9381 | 2.9082 | 78.1855 | 27.8468 | 2.92046 |
| 13000 | 5.5662 | -2.9476 | 2.9499 | 78.8877 | 28.3321 | 2.96273 |
| 13100 | 5.5768 | -2.9570 | 2.9916 | 79.5863 | 28.8119 | 3.00503 |
| 13200 | 5.5872 | -2.9664 | 3.0333 | 80.2800 | 29.2848 | 3.04727 |
| 13300 | 5.5973 | -2.9755 | 3.0748 | 80.9664 | 29.7482 | 3.08927 |
| 13400 | 5.6071 | -2.9845 | 3.1159 | 81.6426 | 30.2000 | 3.13084 |
| 13500 | 5.6166 | -2.9934 | 3.1564 | 82.3067 | 30.6384 | 3.17185 |
| 13600 | 5.6258 | -3.0020 | 3.1963 | 82.9583 | 31.0620 | 3.21223 |
| 13700 | 5.6346 | -3.0105 | 3.2354 | 83.5937 | 31.4682 | 3.25173 |
| 13800 | 5.6431 | -3.0188 | 3.2736 | 84.2125 | 31.8567 | 3.29030 |
| 13900 | 5.6512 | -3.0268 | 3.3107 | 84.8126 | 32.2255 | 3.32780 |
| 14000 | 5.6592 | -3.0346 | 3.3467 | 85.4072 | 32.5879 | 3.36414 |
| 14100 | 5.6664 | -3.0422 | 3.3815 | 85.9542 | 32.9019 | 3.39927 |
| 14200 | 5.6735 | -3.0495 | 3.4150 | 86.4942 | 33.2083 | 3.43310 |
| 14300 | 5.6803 | -3.0567 | 3.4472 | 87.0125 | 33.4926 | 3.46556 |
| 14400 | 5.6867 | -3.0636 | 3.4781 | 87.5097 | 33.7554 | 3.49667 |
| 14500 | 5.6928 | -3.0702 | 3.5075 | 87.9848 | 33.9960 | 3.52636 |
| 14600 | 5.6986 | -3.0767 | 3.5356 | 88.4377 | 34.2148 | 3.55460 |
| 14700 | 5.7040 | -3.0829 | 3.5623 | 88.8699 | 34.4128 | 3.58146 |
| 14800 | 5.7092 | -3.0889 | 3.5876 | 89.2813 | 34.5903 | 3.60691 |
| 14900 | 5.7141 | -3.0947 | 3.6116 | 89.6717 | 34.7473 | 3.63095 |
| 15000 | 5.7187 | -3.1004 | 3.6342 | 90.0423 | 34.8851 | 3.65366 |

LOG P= -.7

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT    | Z*      |
|------|---------|---------|--------|---------|---------|---------|
| 100  | 2.5401  | -.2618  | .9953  | 21.6868 | 3.4681  | 1.00000 |
| 200  | 2.8431  | -.5646  | .9994  | 24.1107 | 3.4843  | 1.00000 |
| 300  | 3.0197  | -.7409  | .9999  | 25.5309 | 3.4884  | 1.00000 |
| 400  | 3.1455  | -.8659  | 1.0001 | 26.5419 | 3.4949  | 1.00000 |
| 500  | 3.2439  | -.9628  | 1.0001 | 27.3353 | 3.5073  | 1.00000 |
| 600  | 3.3255  | -1.0420 | 1.0001 | 27.9957 | 3.5269  | 1.00000 |
| 700  | 3.3955  | -1.1090 | 1.0001 | 28.5662 | 3.5516  | 1.00000 |
| 800  | 3.4572  | -1.1670 | 1.0001 | 29.0710 | 3.5817  | 1.00000 |
| 900  | 3.5121  | -1.2181 | 1.0001 | 29.5277 | 3.6129  | 1.00000 |
| 1000 | 3.5619  | -1.2639 | 1.0001 | 29.9422 | 3.6467  | 1.00000 |
| 1100 | 3.6071  | -1.3053 | 1.0001 | 30.3251 | 3.6791  | 1.00000 |
| 1200 | 3.6488  | -1.3431 | 1.0001 | 30.6800 | 3.7122  | 1.00000 |
| 1300 | 3.6874  | -1.3778 | 1.0001 | 31.0110 | 3.7452  | 1.00000 |
| 1400 | 3.7234  | -1.4100 | 1.0001 | 31.3221 | 3.7777  | 1.00000 |
| 1500 | 3.7570  | -1.4400 | 1.0001 | 31.6161 | 3.8099  | 1.00000 |
| 1500 | 3.7570  | -1.4400 | 1.0001 | 31.6169 | 3.8097  | 1.00000 |
| 1600 | 3.7887  | -1.4680 | 1.0001 | 31.8960 | 3.8422  | 1.00000 |
| 1700 | 3.8187  | -1.4943 | 1.0001 | 32.1621 | 3.8746  | 1.00002 |
| 1800 | 3.8471  | -1.5192 | 1.0001 | 32.4173 | 3.9070  | 1.00006 |
| 1900 | 3.8744  | -1.5427 | 1.0002 | 32.6638 | 3.9414  | 1.00015 |
| 2000 | 3.9007  | -1.5651 | 1.0004 | 32.9037 | 3.9784  | 1.00033 |
| 2100 | 3.9264  | -1.5864 | 1.0007 | 33.1401 | 4.0194  | 1.00070 |
| 2200 | 3.9518  | -1.6069 | 1.0014 | 33.3765 | 4.0684  | 1.00135 |
| 2300 | 3.9773  | -1.6267 | 1.0025 | 33.6174 | 4.1268  | 1.00246 |
| 2400 | 4.0035  | -1.6459 | 1.0043 | 33.8683 | 4.2004  | 1.00428 |
| 2500 | 4.0309  | -1.6649 | 1.0071 | 34.1355 | 4.2947  | 1.00707 |
| 2600 | 4.0598  | -1.6837 | 1.0112 | 34.4258 | 4.4143  | 1.01120 |
| 2700 | 4.0908  | -1.7026 | 1.0171 | 34.7459 | 4.5646  | 1.01705 |
| 2800 | 4.1240  | -1.7218 | 1.0251 | 35.1021 | 4.7520  | 1.02502 |
| 2900 | 4.1594  | -1.7414 | 1.0355 | 35.4978 | 4.9771  | 1.03541 |
| 3000 | 4.1965  | -1.7615 | 1.0484 | 35.9351 | 5.2411  | 1.04839 |
| 3100 | 4.2344  | -1.7821 | 1.0639 | 36.4036 | 5.5334  | 1.06382 |
| 3200 | 4.2718  | -1.8029 | 1.0813 | 36.8935 | 5.8425  | 1.08123 |
| 3300 | 4.3074  | -1.8237 | 1.0997 | 37.3859 | 6.1504  | 1.09970 |
| 3400 | 4.3402  | -1.8438 | 1.1182 | 37.8602 | 6.4371  | 1.11813 |
| 3500 | 4.3690  | -1.8631 | 1.1353 | 38.2962 | 6.6825  | 1.13531 |
| 3600 | 4.3938  | -1.8810 | 1.1504 | 38.6824 | 6.8778  | 1.15039 |
| 3700 | 4.4145  | -1.8976 | 1.1630 | 39.0152 | 7.0196  | 1.16293 |
| 3800 | 4.4320  | -1.9130 | 1.1730 | 39.2997 | 7.1161  | 1.17301 |
| 3900 | 4.4469  | -1.9272 | 1.1810 | 39.5452 | 7.1759  | 1.18100 |
| 4000 | 4.4600  | -1.9405 | 1.1874 | 39.7619 | 7.2100  | 1.18734 |
| 4100 | 4.4719  | -1.9531 | 1.1925 | 39.9593 | 7.2292  | 1.19252 |
| 4200 | 4.4830  | -1.9652 | 1.1970 | 40.1455 | 7.2409  | 1.19696 |
| 4300 | 4.4940  | -1.9769 | 1.2010 | 40.3271 | 7.2525  | 1.20100 |
| 4400 | 4.5048  | -1.9883 | 1.2050 | 40.5094 | 7.2676  | 1.20493 |
| 4500 | 4.5161  | -1.9995 | 1.2090 | 40.6975 | 7.2925  | 1.20901 |
| 4600 | 4.5278  | -2.0106 | 1.2135 | 40.8955 | 7.3296  | 1.21346 |
| 4700 | 4.5404  | -2.0218 | 1.2185 | 41.1077 | 7.3834  | 1.21851 |
| 4800 | 4.5538  | -2.0330 | 1.2244 | 41.3381 | 7.4576  | 1.22438 |
| 4900 | 4.5685  | -2.0444 | 1.2313 | 41.5911 | 7.5561  | 1.23127 |
| 5000 | 4.5849  | -2.0560 | 1.2394 | 41.8782 | 7.6902  | 1.23939 |
| 5100 | 4.6023  | -2.0680 | 1.2491 | 42.1890 | 7.8470  | 1.24903 |
| 5200 | 4.6212  | -2.0804 | 1.2604 | 42.5348 | 8.0388  | 1.26042 |
| 5300 | 4.6417  | -2.0932 | 1.2738 | 42.9202 | 8.2693  | 1.27380 |
| 5400 | 4.6639  | -2.1067 | 1.2895 | 43.3495 | 8.5416  | 1.28943 |
| 5500 | 4.6878  | -2.1207 | 1.3076 | 43.8269 | 8.8597  | 1.30759 |
| 5600 | 4.7131  | -2.1354 | 1.3284 | 44.3543 | 9.2243  | 1.32843 |
| 5700 | 4.7399  | -2.1508 | 1.3522 | 44.9364 | 9.6393  | 1.35222 |
| 5800 | 4.7679  | -2.1669 | 1.3791 | 45.5726 | 10.1039 | 1.37907 |
| 5900 | 4.7969  | -2.1837 | 1.4091 | 46.2645 | 10.6187 | 1.40910 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 6000  | 4.8265 | -2.2010 | 1.4421 | 47.0059 | 11.1768 | 1.44209 |
| 6100  | 4.8563 | -2.2188 | 1.4779 | 47.7934 | 11.7743 | 1.47791 |
| 6200  | 4.8859 | -2.2370 | 1.5162 | 48.6173 | 12.4018 | 1.51618 |
| 6300  | 4.9149 | -2.2553 | 1.5564 | 49.4667 | 13.0477 | 1.55634 |
| 6400  | 4.9427 | -2.2735 | 1.5975 | 50.3249 | 13.6950 | 1.59751 |
| 6500  | 4.9693 | -2.2914 | 1.6391 | 51.1806 | 14.3335 | 1.63911 |
| 6600  | 4.9940 | -2.3087 | 1.6801 | 52.0151 | 14.9446 | 1.68012 |
| 6700  | 5.0167 | -2.3253 | 1.7195 | 52.8103 | 15.5108 | 1.71946 |
| 6800  | 5.0373 | -2.3411 | 1.7567 | 53.5586 | 16.0254 | 1.75665 |
| 6900  | 5.0557 | -2.3558 | 1.7908 | 54.2450 | 16.4747 | 1.79079 |
| 7000  | 5.0719 | -2.3694 | 1.8217 | 54.8693 | 16.8591 | 1.82173 |
| 7100  | 5.0861 | -2.3821 | 1.8491 | 55.4255 | 17.1741 | 1.84907 |
| 7200  | 5.0985 | -2.3937 | 1.8730 | 55.9181 | 17.4247 | 1.87295 |
| 7300  | 5.1092 | -2.4044 | 1.8935 | 56.3505 | 17.6153 | 1.89347 |
| 7400  | 5.1186 | -2.4144 | 1.9111 | 56.7316 | 17.7557 | 1.91111 |
| 7500  | 5.1267 | -2.4236 | 1.9261 | 57.0660 | 17.8511 | 1.92606 |
| 7600  | 5.1339 | -2.4322 | 1.9388 | 57.3619 | 17.9102 | 1.93876 |
| 7700  | 5.1403 | -2.4403 | 1.9495 | 57.6251 | 17.9390 | 1.94952 |
| 7800  | 5.1460 | -2.4479 | 1.9587 | 57.8626 | 17.9451 | 1.95874 |
| 7900  | 5.1513 | -2.4552 | 1.9667 | 58.0796 | 17.9334 | 1.96669 |
| 8000  | 5.1562 | -2.4622 | 1.9736 | 58.2803 | 17.9088 | 1.97364 |
| 8100  | 5.1607 | -2.4689 | 1.9797 | 58.4684 | 17.8746 | 1.97979 |
| 8200  | 5.1651 | -2.4755 | 1.9853 | 58.6475 | 17.8346 | 1.98534 |
| 8300  | 5.1693 | -2.4819 | 1.9904 | 58.8202 | 17.7913 | 1.99046 |
| 8400  | 5.1734 | -2.4881 | 1.9952 | 58.9888 | 17.7472 | 1.99530 |
| 8500  | 5.1775 | -2.4943 | 1.9998 | 59.1554 | 17.7039 | 1.99995 |
| 8600  | 5.1816 | -2.5003 | 2.0044 | 59.3214 | 17.6632 | 2.00453 |
| 8700  | 5.1857 | -2.5063 | 2.0090 | 59.4884 | 17.6262 | 2.00912 |
| 8800  | 5.1899 | -2.5123 | 2.0136 | 59.6576 | 17.5941 | 2.01381 |
| 8900  | 5.1941 | -2.5183 | 2.0184 | 59.8302 | 17.5680 | 2.01866 |
| 9000  | 5.1985 | -2.5242 | 2.0235 | 60.0070 | 17.5488 | 2.02373 |
| 9100  | 5.2030 | -2.5301 | 2.0288 | 60.1892 | 17.5371 | 2.02909 |
| 9200  | 5.2077 | -2.5361 | 2.0344 | 60.3773 | 17.5336 | 2.03478 |
| 9300  | 5.2125 | -2.5421 | 2.0404 | 60.5723 | 17.5390 | 2.04066 |
| 9400  | 5.2175 | -2.5481 | 2.0469 | 60.7748 | 17.5539 | 2.04737 |
| 9500  | 5.2227 | -2.5541 | 2.0538 | 60.9856 | 17.5788 | 2.05437 |
| 9600  | 5.2281 | -2.5603 | 2.0613 | 61.2053 | 17.6143 | 2.06190 |
| 9700  | 5.2338 | -2.5664 | 2.0693 | 61.4347 | 17.6608 | 2.07000 |
| 9800  | 5.2397 | -2.5727 | 2.0779 | 61.6741 | 17.7189 | 2.07870 |
| 9900  | 5.2458 | -2.5790 | 2.0871 | 61.9246 | 17.7891 | 2.08809 |
| 10000 | 5.2522 | -2.5855 | 2.0971 | 62.1865 | 17.8718 | 2.09817 |
| 10100 | 5.2588 | -2.5920 | 2.1078 | 62.4604 | 17.9675 | 2.10899 |
| 10200 | 5.2657 | -2.5986 | 2.1193 | 62.7471 | 18.0765 | 2.12062 |
| 10300 | 5.2729 | -2.6054 | 2.1316 | 63.0467 | 18.1993 | 2.13307 |
| 10400 | 5.2804 | -2.6123 | 2.1447 | 63.3604 | 18.3365 | 2.14641 |
| 10500 | 5.2881 | -2.6193 | 2.1588 | 63.6883 | 18.4882 | 2.16066 |
| 10600 | 5.2961 | -2.6264 | 2.1738 | 64.0310 | 18.6549 | 2.17589 |
| 10700 | 5.3044 | -2.6336 | 2.1898 | 64.3890 | 18.8369 | 2.19211 |
| 10800 | 5.3130 | -2.6410 | 2.2068 | 64.7628 | 19.0347 | 2.20938 |
| 10900 | 5.3218 | -2.6486 | 2.2249 | 65.1526 | 19.2481 | 2.22772 |
| 11000 | 5.3309 | -2.6563 | 2.2441 | 65.5589 | 19.4777 | 2.24718 |
| 11100 | 5.3403 | -2.6641 | 2.2644 | 65.9824 | 19.7237 | 2.26780 |
| 11200 | 5.3500 | -2.6721 | 2.2858 | 66.4227 | 19.9861 | 2.28958 |
| 11300 | 5.3598 | -2.6803 | 2.3085 | 66.8803 | 20.2649 | 2.31257 |
| 11400 | 5.3699 | -2.6886 | 2.3323 | 67.3554 | 20.5600 | 2.33678 |
| 11500 | 5.3803 | -2.6970 | 2.3574 | 67.8481 | 20.8719 | 2.36226 |
| 11600 | 5.3908 | -2.7056 | 2.3837 | 68.3578 | 21.1995 | 2.38896 |
| 11700 | 5.4015 | -2.7143 | 2.4112 | 68.8851 | 21.5434 | 2.41694 |
| 11800 | 5.4124 | -2.7231 | 2.4400 | 69.4289 | 21.9023 | 2.44615 |
| 11900 | 5.4234 | -2.7321 | 2.4700 | 69.9894 | 22.2764 | 2.47663 |
| 12000 | 5.4345 | -2.7412 | 2.5012 | 70.5663 | 22.6651 | 2.50834 |
| 12100 | 5.4458 | -2.7504 | 2.5336 | 71.1578 | 23.0670 | 2.54122 |
| 12200 | 5.4571 | -2.7597 | 2.5671 | 71.7643 | 23.4819 | 2.57527 |
| 12300 | 5.4685 | -2.7690 | 2.6017 | 72.3840 | 23.9083 | 2.61043 |
| 12400 | 5.4798 | -2.7784 | 2.6373 | 73.0160 | 24.3449 | 2.64661 |
| 12500 | 5.4912 | -2.7879 | 2.6739 | 73.6594 | 24.7910 | 2.68377 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 12600 | 5.5025 | -2.7974 | 2.7114 | 74.3124 | 25.2447 | 2.72183 |
| 12700 | 5.5138 | -2.8069 | 2.7497 | 74.9739 | 25.7048 | 2.76069 |
| 12800 | 5.5250 | -2.8165 | 2.7886 | 75.6417 | 26.1692 | 2.80024 |
| 12900 | 5.5361 | -2.8260 | 2.8282 | 76.3149 | 26.6367 | 2.84039 |
| 13000 | 5.5470 | -2.8354 | 2.8682 | 76.9902 | 27.1044 | 2.88097 |
| 13100 | 5.5577 | -2.8448 | 2.9084 | 77.6662 | 27.5709 | 2.92185 |
| 13200 | 5.5683 | -2.8541 | 2.9490 | 78.3414 | 28.0347 | 2.96295 |
| 13300 | 5.5786 | -2.8633 | 2.9895 | 79.0136 | 28.4934 | 3.00410 |
| 13400 | 5.5887 | -2.8724 | 3.0300 | 79.6804 | 28.9450 | 3.04513 |
| 13500 | 5.5985 | -2.8814 | 3.0703 | 80.3400 | 29.3879 | 3.08593 |
| 13600 | 5.6081 | -2.8902 | 3.1102 | 80.9911 | 29.8202 | 3.12639 |
| 13700 | 5.6173 | -2.8988 | 3.1496 | 81.6306 | 30.2398 | 3.16628 |
| 13800 | 5.6263 | -2.9073 | 3.1884 | 82.2579 | 30.6456 | 3.20555 |
| 13900 | 5.6349 | -2.9156 | 3.2264 | 82.8707 | 31.0358 | 3.24406 |
| 14000 | 5.6434 | -2.9237 | 3.2636 | 83.4809 | 31.4222 | 3.28167 |
| 14100 | 5.6512 | -2.9316 | 3.2998 | 84.0486 | 31.7652 | 3.31832 |
| 14200 | 5.6588 | -2.9392 | 3.3350 | 84.6116 | 32.1026 | 3.35391 |
| 14300 | 5.6662 | -2.9467 | 3.3691 | 85.1556 | 32.4203 | 3.38834 |
| 14400 | 5.6732 | -2.9540 | 3.4020 | 85.6809 | 32.7185 | 3.42160 |
| 14500 | 5.6798 | -2.9610 | 3.4337 | 86.1861 | 32.9964 | 3.45358 |
| 14600 | 5.6862 | -2.9678 | 3.4641 | 86.6706 | 33.2534 | 3.48424 |
| 14700 | 5.6922 | -2.9744 | 3.4933 | 87.1355 | 33.4906 | 3.51361 |
| 14800 | 5.6980 | -2.9808 | 3.5211 | 87.5805 | 33.7077 | 3.54165 |
| 14900 | 5.7034 | -2.9870 | 3.5476 | 88.0048 | 33.9045 | 3.56832 |
| 15000 | 5.7086 | -2.9930 | 3.5728 | 88.4097 | 34.0820 | 3.59368 |

LOG P= -.6

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/R/T  | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5398  | -.1614  | .9944  | 21.4550 | 3.4657 | 1.00000 |
| 200  | 2.8431  | -.4646  | .9993  | 23.8805 | 3.4839 | 1.00000 |
| 300  | 3.0197  | -.6409  | .9999  | 25.3003 | 3.4883 | 1.00000 |
| 400  | 3.1455  | -.7659  | 1.0001 | 26.3114 | 3.4949 | 1.00000 |
| 500  | 3.2439  | -.8629  | 1.0001 | 27.1049 | 3.5072 | 1.00000 |
| 600  | 3.3255  | -.9421  | 1.0001 | 27.7655 | 3.5269 | 1.00000 |
| 700  | 3.3955  | -1.0090 | 1.0001 | 28.3357 | 3.5517 | 1.00000 |
| 800  | 3.4572  | -1.0670 | 1.0001 | 28.8411 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -1.1182 | 1.0001 | 29.2974 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -1.1639 | 1.0001 | 29.7119 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -1.2053 | 1.0001 | 30.0951 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -1.2431 | 1.0001 | 30.4501 | 3.7122 | 1.00000 |
| 1300 | 3.6874  | -1.2778 | 1.0001 | 30.7810 | 3.7452 | 1.00000 |
| 1400 | 3.7234  | -1.3100 | 1.0001 | 31.0920 | 3.7777 | 1.00000 |
| 1500 | 3.7570  | -1.3400 | 1.0001 | 31.3859 | 3.8099 | 1.00000 |
| 1500 | 3.7570  | -1.3400 | 1.0001 | 31.3867 | 3.8097 | 1.00000 |
| 1600 | 3.7887  | -1.3680 | 1.0001 | 31.6657 | 3.8421 | 1.00000 |
| 1700 | 3.8187  | -1.3943 | 1.0001 | 31.9317 | 3.8745 | 1.00002 |
| 1800 | 3.8471  | -1.4192 | 1.0001 | 32.1868 | 3.9068 | 1.00005 |
| 1900 | 3.8743  | -1.4427 | 1.0002 | 32.4329 | 3.9408 | 1.00013 |
| 2000 | 3.9006  | -1.4650 | 1.0003 | 32.6722 | 3.9773 | 1.00029 |
| 2100 | 3.9261  | -1.4864 | 1.0007 | 32.9075 | 4.0172 | 1.00062 |
| 2200 | 3.9514  | -1.5068 | 1.0012 | 33.1418 | 4.0643 | 1.00120 |
| 2300 | 3.9766  | -1.5266 | 1.0022 | 33.3795 | 4.1197 | 1.00220 |
| 2400 | 4.0023  | -1.5457 | 1.0039 | 33.6254 | 4.1887 | 1.00382 |
| 2500 | 4.0290  | -1.5645 | 1.0063 | 33.8852 | 4.2762 | 1.00631 |
| 2600 | 4.0571  | -1.5832 | 1.0101 | 34.1652 | 4.3864 | 1.01001 |
| 2700 | 4.0869  | -1.6018 | 1.0153 | 34.4716 | 4.5242 | 1.01526 |
| 2800 | 4.1189  | -1.6207 | 1.0225 | 34.8104 | 4.6959 | 1.02244 |
| 2900 | 4.1528  | -1.6399 | 1.0319 | 35.1854 | 4.9027 | 1.03185 |
| 3000 | 4.1887  | -1.6596 | 1.0437 | 35.5999 | 5.1468 | 1.04370 |
| 3100 | 4.2253  | -1.6797 | 1.0580 | 36.0455 | 5.4196 | 1.05795 |
| 3200 | 4.2620  | -1.7001 | 1.0743 | 36.5154 | 5.7126 | 1.07428 |
| 3300 | 4.2974  | -1.7206 | 1.0920 | 36.9940 | 6.0107 | 1.09196 |
| 3400 | 4.3306  | -1.7407 | 1.1101 | 37.4631 | 6.2965 | 1.11005 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 3500  | 4.3603 | -1.7600 | 1.1274 | 37.9031 | 6.5498  | 1.12740 |
| 3600  | 4.3862 | -1.7782 | 1.1431 | 38.3005 | 6.7599  | 1.14308 |
| 3700  | 4.4083 | -1.7952 | 1.1565 | 38.6481 | 6.9196  | 1.15650 |
| 3800  | 4.4270 | -1.8109 | 1.1676 | 38.9479 | 7.0337  | 1.16753 |
| 3900  | 4.4429 | -1.8255 | 1.1764 | 39.2066 | 7.1087  | 1.17639 |
| 4000  | 4.4567 | -1.8391 | 1.1835 | 39.4336 | 7.1547  | 1.18348 |
| 4100  | 4.4690 | -1.8519 | 1.1893 | 39.6381 | 7.1822  | 1.18923 |
| 4200  | 4.4805 | -1.8641 | 1.1941 | 39.8283 | 7.1990  | 1.19407 |
| 4300  | 4.4916 | -1.8759 | 1.1984 | 40.0110 | 7.2126  | 1.19836 |
| 4400  | 4.5024 | -1.8874 | 1.2024 | 40.1919 | 7.2272  | 1.20241 |
| 4500  | 4.5135 | -1.8986 | 1.2065 | 40.3761 | 7.2491  | 1.20648 |
| 4600  | 4.5249 | -1.9097 | 1.2108 | 40.5676 | 7.2807  | 1.21079 |
| 4700  | 4.5370 | -1.9207 | 1.2156 | 40.7707 | 7.3267  | 1.21557 |
| 4800  | 4.5499 | -1.9318 | 1.2211 | 40.9893 | 7.3904  | 1.22103 |
| 4900  | 4.5636 | -1.9430 | 1.2274 | 41.2273 | 7.4754  | 1.22737 |
| 5000  | 4.5794 | -1.9544 | 1.2348 | 41.4960 | 7.5928  | 1.23476 |
| 5100  | 4.5957 | -1.9661 | 1.2435 | 41.7849 | 7.7298  | 1.24351 |
| 5200  | 4.6135 | -1.9781 | 1.2538 | 42.1048 | 7.8981  | 1.25381 |
| 5300  | 4.6328 | -1.9905 | 1.2659 | 42.4599 | 8.1014  | 1.26589 |
| 5400  | 4.6537 | -2.0035 | 1.2800 | 42.8547 | 8.3424  | 1.27999 |
| 5500  | 4.6761 | -2.0170 | 1.2964 | 43.2927 | 8.6252  | 1.29637 |
| 5600  | 4.7001 | -2.0310 | 1.3152 | 43.7765 | 8.9507  | 1.31519 |
| 5700  | 4.7254 | -2.0458 | 1.3368 | 44.3106 | 9.3230  | 1.33673 |
| 5800  | 4.7521 | -2.0612 | 1.3611 | 44.8952 | 9.7420  | 1.36112 |
| 5900  | 4.7799 | -2.0773 | 1.3885 | 45.5331 | 10.2094 | 1.38853 |
| 6000  | 4.8084 | -2.0939 | 1.4188 | 46.2198 | 10.7200 | 1.41892 |
| 6100  | 4.8373 | -2.1111 | 1.4520 | 46.9537 | 11.2719 | 1.45197 |
| 6200  | 4.8664 | -2.1288 | 1.4877 | 47.7276 | 11.8579 | 1.48771 |
| 6300  | 4.8952 | -2.1467 | 1.5257 | 48.5336 | 12.4695 | 1.52585 |
| 6400  | 4.9232 | -2.1646 | 1.5651 | 49.3581 | 13.0924 | 1.56509 |
| 6500  | 4.9502 | -2.1824 | 1.6056 | 50.1918 | 13.7185 | 1.60558 |
| 6600  | 4.9758 | -2.1999 | 1.6462 | 51.0180 | 14.3307 | 1.64619 |
| 6700  | 4.9996 | -2.2168 | 1.6860 | 51.8190 | 14.9118 | 1.68593 |
| 6800  | 5.0215 | -2.2330 | 1.7243 | 52.5860 | 15.4536 | 1.72425 |
| 6900  | 5.0414 | -2.2483 | 1.7602 | 53.3018 | 15.9404 | 1.76015 |
| 7000  | 5.0591 | -2.2626 | 1.7933 | 53.9638 | 16.3698 | 1.79333 |
| 7100  | 5.0749 | -2.2760 | 1.8232 | 54.5621 | 16.7335 | 1.82321 |
| 7200  | 5.0887 | -2.2883 | 1.8498 | 55.0989 | 17.0341 | 1.84978 |
| 7300  | 5.1007 | -2.2997 | 1.8730 | 55.5744 | 17.2730 | 1.87297 |
| 7400  | 5.1112 | -2.3103 | 1.8932 | 55.9964 | 17.4587 | 1.89316 |
| 7500  | 5.1204 | -2.3201 | 1.9104 | 56.3676 | 17.5945 | 1.91044 |
| 7600  | 5.1285 | -2.3292 | 1.9252 | 56.6958 | 17.6891 | 1.92523 |
| 7700  | 5.1356 | -2.3377 | 1.9378 | 56.9865 | 17.7482 | 1.93780 |
| 7800  | 5.1420 | -2.3457 | 1.9485 | 57.2471 | 17.7794 | 1.94856 |
| 7900  | 5.1478 | -2.3533 | 1.9578 | 57.4828 | 17.7884 | 1.95781 |
| 8000  | 5.1530 | -2.3603 | 1.9658 | 57.6985 | 17.7805 | 1.96582 |
| 8100  | 5.1579 | -2.3674 | 1.9728 | 57.8981 | 17.7593 | 1.97283 |
| 8200  | 5.1625 | -2.3741 | 1.9790 | 58.0857 | 17.7292 | 1.97906 |
| 8300  | 5.1669 | -2.3806 | 1.9846 | 58.2641 | 17.6929 | 1.98470 |
| 8400  | 5.1711 | -2.3869 | 1.9898 | 58.4362 | 17.6534 | 1.98989 |
| 8500  | 5.1752 | -2.3932 | 1.9947 | 58.6042 | 17.6127 | 1.99480 |
| 8600  | 5.1793 | -2.3993 | 1.9994 | 58.7698 | 17.5724 | 1.99950 |
| 8700  | 5.1834 | -2.4053 | 2.0040 | 58.9345 | 17.5342 | 2.00413 |
| 8800  | 5.1875 | -2.4112 | 2.0086 | 59.1000 | 17.4996 | 2.00875 |
| 8900  | 5.1917 | -2.4171 | 2.0132 | 59.2675 | 17.4695 | 2.01345 |
| 9000  | 5.1959 | -2.4230 | 2.0180 | 59.4377 | 17.4447 | 2.01828 |
| 9100  | 5.2003 | -2.4289 | 2.0230 | 59.6120 | 17.4263 | 2.02333 |
| 9200  | 5.2047 | -2.4348 | 2.0283 | 59.7909 | 17.4149 | 2.02864 |
| 9300  | 5.2093 | -2.4407 | 2.0339 | 59.9754 | 17.4110 | 2.03425 |
| 9400  | 5.2141 | -2.4466 | 2.0398 | 60.1661 | 17.4156 | 2.04023 |
| 9500  | 5.2190 | -2.4525 | 2.0461 | 60.3639 | 17.4290 | 2.04661 |
| 9600  | 5.2241 | -2.4585 | 2.0528 | 60.5693 | 17.4518 | 2.05344 |
| 9700  | 5.2294 | -2.4645 | 2.0601 | 60.7829 | 17.4845 | 2.06077 |
| 9800  | 5.2350 | -2.4706 | 2.0679 | 61.0055 | 17.5275 | 2.06664 |
| 9900  | 5.2407 | -2.4768 | 2.0762 | 61.2376 | 17.5814 | 2.07709 |
| 10000 | 5.2467 | -2.4830 | 2.0852 | 61.4797 | 17.6466 | 2.08616 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 10100 | 5.2529 | -2.4893 | 2.0948 | 61.7324 | 17.7233 | 2.09589 |
| 10200 | 5.2593 | -2.4957 | 2.1050 | 61.9964 | 17.8123 | 2.10633 |
| 10300 | 5.2660 | -2.5022 | 2.1161 | 62.2720 | 17.9136 | 2.11750 |
| 10400 | 5.2730 | -2.5088 | 2.1279 | 62.5600 | 18.0280 | 2.12947 |
| 10500 | 5.2802 | -2.5156 | 2.1405 | 62.8606 | 18.1556 | 2.14225 |
| 10600 | 5.2877 | -2.5224 | 2.1539 | 63.1745 | 18.2967 | 2.15590 |
| 10700 | 5.2954 | -2.5293 | 2.1682 | 63.5022 | 18.4518 | 2.17046 |
| 10800 | 5.3034 | -2.5364 | 2.1835 | 63.8441 | 18.6214 | 2.18595 |
| 10900 | 5.3117 | -2.5436 | 2.1997 | 64.2004 | 18.8052 | 2.20241 |
| 11000 | 5.3202 | -2.5510 | 2.2169 | 64.5716 | 19.0038 | 2.21989 |
| 11100 | 5.3290 | -2.5585 | 2.2351 | 64.9584 | 19.2177 | 2.23843 |
| 11200 | 5.3381 | -2.5661 | 2.2544 | 65.3607 | 19.4466 | 2.25802 |
| 11300 | 5.3473 | -2.5739 | 2.2748 | 65.7787 | 19.6907 | 2.27873 |
| 11400 | 5.3569 | -2.5818 | 2.2963 | 66.2128 | 19.9501 | 2.30056 |
| 11500 | 5.3666 | -2.5898 | 2.3189 | 66.6633 | 20.2251 | 2.32355 |
| 11600 | 5.3765 | -2.5980 | 2.3426 | 67.1298 | 20.5153 | 2.34770 |
| 11700 | 5.3867 | -2.6063 | 2.3675 | 67.6127 | 20.8209 | 2.37304 |
| 11800 | 5.3970 | -2.6148 | 2.3936 | 68.1114 | 21.1410 | 2.39955 |
| 11900 | 5.4075 | -2.6234 | 2.4208 | 68.6262 | 21.4760 | 2.42727 |
| 12000 | 5.4182 | -2.6321 | 2.4493 | 69.1570 | 21.8257 | 2.45618 |
| 12100 | 5.4289 | -2.6409 | 2.4788 | 69.7024 | 22.1885 | 2.48623 |
| 12200 | 5.4398 | -2.6498 | 2.5095 | 70.2629 | 22.5648 | 2.51746 |
| 12300 | 5.4508 | -2.6588 | 2.5413 | 70.8371 | 22.9533 | 2.54979 |
| 12400 | 5.4618 | -2.6679 | 2.5741 | 71.4245 | 23.3532 | 2.58320 |
| 12500 | 5.4728 | -2.6771 | 2.6080 | 72.0243 | 23.7637 | 2.61764 |
| 12600 | 5.4839 | -2.6863 | 2.6428 | 72.6352 | 24.1836 | 2.65304 |
| 12700 | 5.4950 | -2.6956 | 2.6785 | 73.2564 | 24.6119 | 2.68936 |
| 12800 | 5.5060 | -2.7048 | 2.7150 | 73.8861 | 25.0468 | 2.72649 |
| 12900 | 5.5169 | -2.7141 | 2.7523 | 74.5235 | 25.4875 | 2.76437 |
| 13000 | 5.5278 | -2.7234 | 2.7902 | 75.1662 | 25.9317 | 2.80287 |
| 13100 | 5.5385 | -2.7327 | 2.8285 | 75.8127 | 26.3779 | 2.84187 |
| 13200 | 5.5491 | -2.7419 | 2.8674 | 76.4621 | 26.8249 | 2.88131 |
| 13300 | 5.5596 | -2.7511 | 2.9065 | 77.1120 | 27.2708 | 2.92106 |
| 13400 | 5.5698 | -2.7602 | 2.9458 | 77.7607 | 27.7136 | 2.96096 |
| 13500 | 5.5798 | -2.7692 | 2.9851 | 78.4066 | 28.1519 | 3.00092 |
| 13600 | 5.5897 | -2.7780 | 3.0244 | 79.0479 | 28.5839 | 3.04080 |
| 13700 | 5.5992 | -2.7868 | 3.0635 | 79.6822 | 29.0074 | 3.08045 |
| 13800 | 5.6085 | -2.7954 | 3.1022 | 80.3083 | 29.4211 | 3.11975 |
| 13900 | 5.6176 | -2.8039 | 3.1405 | 80.9246 | 29.8233 | 3.15861 |
| 14000 | 5.6265 | -2.8122 | 3.1783 | 81.5413 | 30.2247 | 3.19685 |
| 14100 | 5.6348 | -2.8203 | 3.2153 | 82.1210 | 30.5879 | 3.23441 |
| 14200 | 5.6429 | -2.8282 | 3.2516 | 82.6987 | 30.9482 | 3.27116 |
| 14300 | 5.6508 | -2.8360 | 3.2870 | 83.2605 | 31.2916 | 3.30699 |
| 14400 | 5.6583 | -2.8436 | 3.3215 | 83.8067 | 31.6185 | 3.34187 |
| 14500 | 5.6655 | -2.8509 | 3.3549 | 84.3352 | 31.9272 | 3.37567 |
| 14600 | 5.6724 | -2.8581 | 3.3872 | 84.8455 | 32.2172 | 3.40832 |
| 14700 | 5.6791 | -2.8650 | 3.4184 | 85.3381 | 32.4889 | 3.43984 |
| 14800 | 5.6854 | -2.8717 | 3.4485 | 85.8123 | 32.7419 | 3.47016 |
| 14900 | 5.6914 | -2.8783 | 3.4773 | 86.2670 | 32.9756 | 3.49920 |
| 15000 | 5.6971 | -2.8846 | 3.5048 | 86.7032 | 33.1906 | 3.52701 |

LOG P= -.5

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5395  | -.0611  | .9936  | 21.2232 | 3.4632 | 1.00000 |
| 200  | 2.8430  | -.3645  | .9992  | 23.6504 | 3.4834 | 1.00000 |
| 300  | 3.0197  | -.5409  | .9999  | 25.0698 | 3.4881 | 1.00000 |
| 400  | 3.1455  | -.6659  | 1.0001 | 26.0810 | 3.4948 | 1.00000 |
| 500  | 3.2439  | -.7629  | 1.0001 | 26.8746 | 3.5072 | 1.00000 |
| 600  | 3.3255  | -.8421  | 1.0001 | 27.5350 | 3.5269 | 1.00000 |
| 700  | 3.3955  | -.9090  | 1.0001 | 28.1057 | 3.5517 | 1.00000 |
| 800  | 3.4572  | -.9670  | 1.0001 | 28.6112 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -1.0182 | 1.0001 | 29.0669 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -1.0639 | 1.0001 | 29.4820 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -1.1053 | 1.0001 | 29.8652 | 3.6791 | 1.00000 |

|      |        |         |        |         |         |         |
|------|--------|---------|--------|---------|---------|---------|
| 1200 | 3.6488 | -1.1431 | 1.0001 | 30.2198 | 3.7122  | 1.00000 |
| 1300 | 3.6874 | -1.1778 | 1.0001 | 30.5509 | 3.7452  | 1.00000 |
| 1400 | 3.7234 | -1.2100 | 1.0001 | 30.8621 | 3.7777  | 1.00000 |
| 1500 | 3.7570 | -1.2400 | 1.0001 | 31.1560 | 3.8099  | 1.00000 |
| 1500 | 3.7570 | -1.2400 | 1.0001 | 31.1564 | 3.8097  | 1.00000 |
| 1600 | 3.7887 | -1.2680 | 1.0001 | 31.4354 | 3.8421  | 1.00000 |
| 1700 | 3.8187 | -1.2943 | 1.0001 | 31.7014 | 3.8744  | 1.00001 |
| 1800 | 3.8471 | -1.3192 | 1.0001 | 31.9563 | 3.9066  | 1.00005 |
| 1900 | 3.8743 | -1.3427 | 1.0002 | 32.2022 | 3.9404  | 1.00011 |
| 2000 | 3.9005 | -1.3650 | 1.0003 | 32.4409 | 3.9763  | 1.00026 |
| 2100 | 3.9259 | -1.3863 | 1.0006 | 32.6751 | 4.0152  | 1.00055 |
| 2200 | 3.9510 | -1.4068 | 1.0011 | 32.9077 | 4.0607  | 1.00107 |
| 2300 | 3.9759 | -1.4265 | 1.0020 | 33.1425 | 4.1134  | 1.00196 |
| 2400 | 4.0012 | -1.4456 | 1.0035 | 33.3838 | 4.1782  | 1.00340 |
| 2500 | 4.0273 | -1.4643 | 1.0057 | 33.6370 | 4.2596  | 1.00563 |
| 2600 | 4.0546 | -1.4827 | 1.0090 | 33.9077 | 4.3614  | 1.00894 |
| 2700 | 4.0834 | -1.5011 | 1.0137 | 34.2017 | 4.4879  | 1.01365 |
| 2800 | 4.1142 | -1.5197 | 1.0202 | 34.5247 | 4.6454  | 1.02011 |
| 2900 | 4.1468 | -1.5385 | 1.0287 | 34.8806 | 4.8352  | 1.02862 |
| 3000 | 4.1813 | -1.5578 | 1.0395 | 35.2737 | 5.0604  | 1.03940 |
| 3100 | 4.2168 | -1.5775 | 1.0526 | 35.6970 | 5.3140  | 1.05251 |
| 3200 | 4.2526 | -1.5975 | 1.0678 | 36.1462 | 5.5899  | 1.06772 |
| 3300 | 4.2876 | -1.6176 | 1.0845 | 36.6088 | 5.8761  | 1.08450 |
| 3400 | 4.3209 | -1.6376 | 1.1021 | 37.0693 | 6.1574  | 1.10206 |
| 3500 | 4.3513 | -1.6569 | 1.1194 | 37.5094 | 6.4148  | 1.11935 |
| 3600 | 4.3782 | -1.6753 | 1.1355 | 37.9144 | 6.6362  | 1.13543 |
| 3700 | 4.4015 | -1.6926 | 1.1496 | 38.2748 | 6.8118  | 1.14959 |
| 3800 | 4.4213 | -1.7087 | 1.1615 | 38.5890 | 6.9430  | 1.16151 |
| 3900 | 4.4383 | -1.7236 | 1.1713 | 38.8616 | 7.0340  | 1.17127 |
| 4000 | 4.4529 | -1.7375 | 1.1792 | 39.0998 | 7.0929  | 1.17915 |
| 4100 | 4.4659 | -1.7506 | 1.1856 | 39.3127 | 7.1302  | 1.18555 |
| 4200 | 4.4778 | -1.7630 | 1.1909 | 39.5082 | 7.1535  | 1.19087 |
| 4300 | 4.4890 | -1.7749 | 1.1955 | 39.6934 | 7.1706  | 1.19549 |
| 4400 | 4.4999 | -1.7864 | 1.1998 | 39.8741 | 7.1860  | 1.19973 |
| 4500 | 4.5109 | -1.7977 | 1.2039 | 40.0557 | 7.2063  | 1.20385 |
| 4600 | 4.5221 | -1.8087 | 1.2081 | 40.2421 | 7.2338  | 1.20809 |
| 4700 | 4.5338 | -1.8197 | 1.2127 | 40.4376 | 7.2731  | 1.21267 |
| 4800 | 4.5462 | -1.8307 | 1.2178 | 40.6460 | 7.3278  | 1.21780 |
| 4900 | 4.5595 | -1.8417 | 1.2237 | 40.8709 | 7.4012  | 1.22367 |
| 5000 | 4.5743 | -1.8529 | 1.2305 | 41.1235 | 7.5041  | 1.23044 |
| 5100 | 4.5897 | -1.8643 | 1.2384 | 41.3929 | 7.6236  | 1.23841 |
| 5200 | 4.6065 | -1.8760 | 1.2478 | 41.6896 | 7.7710  | 1.24774 |
| 5300 | 4.6246 | -1.8881 | 1.2587 | 42.0178 | 7.9499  | 1.25866 |
| 5400 | 4.6442 | -1.9005 | 1.2714 | 42.3813 | 8.1628  | 1.27139 |
| 5500 | 4.6654 | -1.9135 | 1.2862 | 42.7838 | 8.4137  | 1.28617 |
| 5600 | 4.6879 | -1.9271 | 1.3032 | 43.2278 | 8.7035  | 1.30316 |
| 5700 | 4.7119 | -1.9412 | 1.3227 | 43.7179 | 9.0364  | 1.32263 |
| 5800 | 4.7372 | -1.9559 | 1.3448 | 44.2547 | 9.4130  | 1.34474 |
| 5900 | 4.7636 | -1.9713 | 1.3697 | 44.8416 | 9.8354  | 1.36968 |
| 6000 | 4.7910 | -1.9873 | 1.3974 | 45.4755 | 10.2999 | 1.39737 |
| 6100 | 4.8190 | -2.0039 | 1.4279 | 46.1563 | 10.8061 | 1.42787 |
| 6200 | 4.8474 | -2.0209 | 1.4610 | 46.8791 | 11.3490 | 1.46102 |
| 6300 | 4.8757 | -2.0383 | 1.4966 | 47.6384 | 11.9223 | 1.49656 |
| 6400 | 4.9036 | -2.0559 | 1.5340 | 48.4232 | 12.5143 | 1.53395 |
| 6500 | 4.9308 | -2.0735 | 1.5729 | 49.2266 | 13.1190 | 1.57288 |
| 6600 | 4.9570 | -2.0909 | 1.6126 | 50.0340 | 13.7215 | 1.61254 |
| 6700 | 4.9816 | -2.1080 | 1.6520 | 50.8290 | 14.3058 | 1.65202 |
| 6800 | 5.0046 | -2.1245 | 1.6908 | 51.6030 | 14.8637 | 1.69081 |
| 6900 | 5.0258 | -2.1402 | 1.7279 | 52.3381 | 15.3781 | 1.72788 |
| 7000 | 5.0450 | -2.1552 | 1.7629 | 53.0294 | 15.8447 | 1.76284 |
| 7100 | 5.0622 | -2.1692 | 1.7950 | 53.6644 | 16.2523 | 1.79494 |
| 7200 | 5.0775 | -2.1822 | 1.8240 | 54.2422 | 16.6003 | 1.82401 |
| 7300 | 5.0909 | -2.1943 | 1.8498 | 54.7601 | 16.8872 | 1.84982 |
| 7400 | 5.1027 | -2.2055 | 1.8726 | 55.2238 | 17.1196 | 1.87262 |
| 7500 | 5.1131 | -2.2159 | 1.8924 | 55.6339 | 17.2986 | 1.89236 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 7600  | 5.1222 | -2.2256 | 1.9094 | 55.9975 | 17.4321 | 1.90942 |
| 7700  | 5.1302 | -2.2346 | 1.9240 | 56.3192 | 17.5255 | 1.92402 |
| 7800  | 5.1373 | -2.2430 | 1.9366 | 56.6065 | 17.5861 | 1.93656 |
| 7900  | 5.1436 | -2.2509 | 1.9473 | 56.8648 | 17.6201 | 1.94735 |
| 8000  | 5.1494 | -2.2585 | 1.9566 | 57.0991 | 17.6326 | 1.95666 |
| 8100  | 5.1547 | -2.2656 | 1.9647 | 57.3135 | 17.6281 | 1.96474 |
| 8200  | 5.1596 | -2.2725 | 1.9718 | 57.5126 | 17.6110 | 1.97185 |
| 8300  | 5.1642 | -2.2792 | 1.9781 | 57.6996 | 17.5847 | 1.97816 |
| 8400  | 5.1686 | -2.2856 | 1.9838 | 57.8777 | 17.5524 | 1.98389 |
| 8500  | 5.1729 | -2.2919 | 1.9891 | 58.0494 | 17.5166 | 1.98919 |
| 8600  | 5.1770 | -2.2981 | 1.9940 | 58.2166 | 17.4791 | 1.99416 |
| 8700  | 5.1811 | -2.3041 | 1.9988 | 58.3812 | 17.4418 | 1.99892 |
| 8800  | 5.1852 | -2.3101 | 2.0034 | 58.5448 | 17.4063 | 2.00359 |
| 8900  | 5.1893 | -2.3160 | 2.0080 | 58.7088 | 17.3738 | 2.00825 |
| 9000  | 5.1934 | -2.3219 | 2.0127 | 58.8743 | 17.3453 | 2.01295 |
| 9100  | 5.1976 | -2.3277 | 2.0175 | 59.0424 | 17.3219 | 2.01778 |
| 9200  | 5.2019 | -2.3335 | 2.0225 | 59.2138 | 17.3042 | 2.02279 |
| 9300  | 5.2064 | -2.3393 | 2.0277 | 59.3895 | 17.2929 | 2.02804 |
| 9400  | 5.2109 | -2.3452 | 2.0331 | 59.5703 | 17.2887 | 2.03358 |
| 9500  | 5.2156 | -2.3510 | 2.0390 | 59.7569 | 17.2924 | 2.03945 |
| 9600  | 5.2204 | -2.3568 | 2.0451 | 59.9499 | 17.3043 | 2.04570 |
| 9700  | 5.2254 | -2.3627 | 2.0517 | 60.1500 | 17.3249 | 2.05237 |
| 9800  | 5.2306 | -2.3687 | 2.0588 | 60.3577 | 17.3547 | 2.05950 |
| 9900  | 5.2360 | -2.3747 | 2.0663 | 60.5736 | 17.3942 | 2.06714 |
| 10000 | 5.2416 | -2.3807 | 2.0744 | 60.7983 | 17.4439 | 2.07533 |
| 10100 | 5.2475 | -2.3869 | 2.0830 | 61.0323 | 17.5040 | 2.08409 |
| 10200 | 5.2535 | -2.3931 | 2.0923 | 61.2762 | 17.5752 | 2.09347 |
| 10300 | 5.2598 | -2.3994 | 2.1022 | 61.5302 | 17.6574 | 2.10352 |
| 10400 | 5.2663 | -2.4057 | 2.1127 | 61.7953 | 17.7515 | 2.11426 |
| 10500 | 5.2730 | -2.4122 | 2.1240 | 62.0716 | 17.8574 | 2.12573 |
| 10600 | 5.2800 | -2.4188 | 2.1361 | 62.3598 | 17.9757 | 2.13798 |
| 10700 | 5.2872 | -2.4255 | 2.1489 | 62.6602 | 18.1068 | 2.15103 |
| 10800 | 5.2947 | -2.4323 | 2.1626 | 62.9733 | 18.2508 | 2.16494 |
| 10900 | 5.3024 | -2.4392 | 2.1771 | 63.2994 | 18.4081 | 2.17971 |
| 11000 | 5.3104 | -2.4462 | 2.1926 | 63.6389 | 18.5787 | 2.19540 |
| 11100 | 5.3186 | -2.4534 | 2.2089 | 63.9926 | 18.7634 | 2.21205 |
| 11200 | 5.3271 | -2.4606 | 2.2262 | 64.3602 | 18.9619 | 2.22966 |
| 11300 | 5.3358 | -2.4681 | 2.2445 | 64.7422 | 19.1745 | 2.24828 |
| 11400 | 5.3447 | -2.4756 | 2.2638 | 65.1389 | 19.4013 | 2.26793 |
| 11500 | 5.3539 | -2.4833 | 2.2842 | 65.5507 | 19.6426 | 2.28866 |
| 11600 | 5.3633 | -2.4911 | 2.3056 | 65.9773 | 19.8981 | 2.31045 |
| 11700 | 5.3729 | -2.4990 | 2.3281 | 66.4191 | 20.1680 | 2.33334 |
| 11800 | 5.3826 | -2.5071 | 2.3516 | 66.8758 | 20.4519 | 2.35733 |
| 11900 | 5.3926 | -2.5153 | 2.3763 | 67.3478 | 20.7500 | 2.38246 |
| 12000 | 5.4027 | -2.5236 | 2.4021 | 67.8350 | 21.0622 | 2.40872 |
| 12100 | 5.4129 | -2.5321 | 2.4289 | 68.3363 | 21.3874 | 2.43607 |
| 12200 | 5.4233 | -2.5406 | 2.4569 | 68.8524 | 21.7261 | 2.46456 |
| 12300 | 5.4339 | -2.5492 | 2.4859 | 69.3822 | 22.0772 | 2.49414 |
| 12400 | 5.4445 | -2.5580 | 2.5160 | 69.9254 | 22.4401 | 2.52479 |
| 12500 | 5.4551 | -2.5668 | 2.5471 | 70.4815 | 22.8145 | 2.55649 |
| 12600 | 5.4658 | -2.5757 | 2.5792 | 71.0494 | 23.1991 | 2.58918 |
| 12700 | 5.4766 | -2.5847 | 2.6123 | 71.6288 | 23.5935 | 2.62284 |
| 12800 | 5.4874 | -2.5937 | 2.6462 | 72.2181 | 23.9962 | 2.65740 |
| 12900 | 5.4981 | -2.6027 | 2.6810 | 72.8169 | 24.4067 | 2.69282 |
| 13000 | 5.5088 | -2.6118 | 2.7165 | 73.4233 | 24.8230 | 2.72899 |
| 13100 | 5.5194 | -2.6209 | 2.7527 | 74.0362 | 25.2440 | 2.76582 |
| 13200 | 5.5300 | -2.6299 | 2.7894 | 74.6544 | 25.6686 | 2.80326 |
| 13300 | 5.5404 | -2.6390 | 2.8267 | 75.2764 | 26.0953 | 2.84120 |
| 13400 | 5.5507 | -2.6480 | 2.8644 | 75.9005 | 26.5222 | 2.87952 |
| 13500 | 5.5609 | -2.6569 | 2.9023 | 76.5252 | 26.9480 | 2.91812 |
| 13600 | 5.5708 | -2.6658 | 2.9404 | 77.1490 | 27.3713 | 2.95690 |
| 13700 | 5.5806 | -2.6746 | 2.9786 | 77.7697 | 27.7898 | 2.99570 |
| 13800 | 5.5902 | -2.6833 | 3.0167 | 78.3861 | 28.2027 | 3.03443 |
| 13900 | 5.5995 | -2.6918 | 3.0546 | 78.9964 | 28.6077 | 3.07297 |
| 14000 | 5.6088 | -2.7003 | 3.0923 | 79.6101 | 29.0150 | 3.11119 |
| 14100 | 5.6174 | -2.7085 | 3.1295 | 80.1927 | 29.3898 | 3.14900 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 14200 | 5.6260 | -2.7167 | 3.1662 | 80.7762 | 29.7642 | 3.18628 |
| 14300 | 5.6343 | -2.7247 | 3.2023 | 81.3473 | 30.1253 | 3.22290 |
| 14400 | 5.6423 | -2.7325 | 3.2378 | 81.9065 | 30.4732 | 3.25883 |
| 14500 | 5.6500 | -2.7401 | 3.2724 | 82.4510 | 30.8058 | 3.29391 |
| 14600 | 5.6574 | -2.7475 | 3.3061 | 82.9802 | 31.1223 | 3.32806 |
| 14700 | 5.6646 | -2.7548 | 3.3399 | 83.4942 | 31.4229 | 3.36127 |
| 14800 | 5.6714 | -2.7618 | 3.3707 | 83.9921 | 31.7069 | 3.39347 |
| 14900 | 5.6780 | -2.7687 | 3.4015 | 84.4725 | 31.9729 | 3.42454 |
| 15000 | 5.6842 | -2.7754 | 3.4311 | 84.9360 | 32.2218 | 3.45450 |

LOG P= -.4

| T    | LOG H/R | LOG RHC | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5392  | .0395   | .9923  | 20.9914 | 3.4608 | 1.00000 |
| 200  | 2.8430  | -.2645  | .9990  | 23.4203 | 3.4829 | 1.00000 |
| 300  | 3.0197  | -.4409  | .9999  | 24.6393 | 3.4880 | 1.00000 |
| 400  | 3.1455  | -.5659  | 1.0001 | 25.6505 | 3.4947 | 1.00000 |
| 500  | 3.2439  | -.6629  | 1.0002 | 26.6447 | 3.5072 | 1.00000 |
| 600  | 3.3255  | -.7421  | 1.0001 | 27.3046 | 3.5269 | 1.00000 |
| 700  | 3.3955  | -.8090  | 1.0002 | 27.8757 | 3.5517 | 1.00000 |
| 800  | 3.4572  | -.8670  | 1.0002 | 28.3812 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -.9182  | 1.0001 | 28.8362 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -.9639  | 1.0001 | 29.2519 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -1.0053 | 1.0001 | 29.6352 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -1.0431 | 1.0001 | 29.9893 | 3.7122 | 1.00000 |
| 1300 | 3.6874  | -1.0778 | 1.0001 | 30.3204 | 3.7452 | 1.00000 |
| 1400 | 3.7234  | -1.1100 | 1.0001 | 30.6317 | 3.7777 | 1.00000 |
| 1500 | 3.7570  | -1.1400 | 1.0001 | 30.9256 | 3.8099 | 1.00000 |
| 1500 | 3.7570  | -1.1400 | 1.0001 | 30.9261 | 3.8097 | 1.00000 |
| 1600 | 3.7887  | -1.1680 | 1.0001 | 31.2051 | 3.8421 | 1.00000 |
| 1700 | 3.8187  | -1.1944 | 1.0001 | 31.4711 | 3.8744 | 1.00001 |
| 1800 | 3.8471  | -1.2192 | 1.0001 | 31.7259 | 3.9064 | 1.00004 |
| 1900 | 3.8743  | -1.2427 | 1.0002 | 31.9715 | 3.9400 | 1.00010 |
| 2000 | 3.9004  | -1.2650 | 1.0003 | 32.2097 | 3.9754 | 1.00023 |
| 2100 | 3.9257  | -1.2863 | 1.0006 | 32.4429 | 4.0135 | 1.00049 |
| 2200 | 3.9507  | -1.3067 | 1.0010 | 32.6740 | 4.0574 | 1.00095 |
| 2300 | 3.9753  | -1.3264 | 1.0018 | 32.9061 | 4.1078 | 1.00175 |
| 2400 | 4.0002  | -1.3454 | 1.0031 | 33.1435 | 4.1688 | 1.00303 |
| 2500 | 4.0258  | -1.3640 | 1.0051 | 33.3907 | 4.2449 | 1.00502 |
| 2600 | 4.0524  | -1.3823 | 1.0080 | 33.6531 | 4.3390 | 1.00798 |
| 2700 | 4.0803  | -1.4005 | 1.0123 | 33.9359 | 4.4554 | 1.01220 |
| 2800 | 4.1099  | -1.4188 | 1.0181 | 34.2445 | 4.6000 | 1.01801 |
| 2900 | 4.1413  | -1.4373 | 1.0257 | 34.5830 | 4.7740 | 1.02569 |
| 3000 | 4.1745  | -1.4561 | 1.0355 | 34.9559 | 4.9815 | 1.03549 |
| 3100 | 4.2088  | -1.4754 | 1.0475 | 35.3578 | 5.2166 | 1.04748 |
| 3200 | 4.2436  | -1.4950 | 1.0616 | 35.7863 | 5.4752 | 1.06159 |
| 3300 | 4.2780  | -1.5148 | 1.0774 | 36.2315 | 5.7477 | 1.07740 |
| 3400 | 4.3112  | -1.5345 | 1.0943 | 36.6806 | 6.0216 | 1.09426 |
| 3500 | 4.3420  | -1.5538 | 1.1113 | 37.1169 | 6.2792 | 1.11128 |
| 3600 | 4.3698  | -1.5723 | 1.1276 | 37.5261 | 6.5084 | 1.12756 |
| 3700 | 4.3941  | -1.5899 | 1.1423 | 37.8966 | 6.6974 | 1.14228 |
| 3800 | 4.4151  | -1.6062 | 1.1550 | 38.2240 | 6.8448 | 1.15500 |
| 3900 | 4.4332  | -1.6215 | 1.1657 | 38.5101 | 6.9516 | 1.16563 |
| 4000 | 4.4487  | -1.6357 | 1.1744 | 38.7603 | 7.0244 | 1.17433 |
| 4100 | 4.4624  | -1.6491 | 1.1815 | 38.9826 | 7.0726 | 1.18143 |
| 4200 | 4.4747  | -1.6617 | 1.1873 | 39.1846 | 7.1037 | 1.18731 |
| 4300 | 4.4863  | -1.6737 | 1.1924 | 39.3735 | 7.1257 | 1.19233 |
| 4400 | 4.4973  | -1.6854 | 1.1969 | 39.5554 | 7.1432 | 1.19682 |
| 4500 | 4.5083  | -1.6966 | 1.2011 | 39.7356 | 7.1631 | 1.20107 |
| 4600 | 4.5194  | -1.7077 | 1.2054 | 39.9183 | 7.1878 | 1.20531 |
| 4700 | 4.5308  | -1.7187 | 1.2098 | 40.1076 | 7.2220 | 1.20977 |
| 4800 | 4.5427  | -1.7296 | 1.2147 | 40.3074 | 7.2693 | 1.21465 |
| 4900 | 4.5555  | -1.7405 | 1.2202 | 40.5210 | 7.3327 | 1.22013 |
| 5000 | 4.5695  | -1.7515 | 1.2264 | 40.7594 | 7.4228 | 1.22636 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 5100  | 4.5842 | -1.7626 | 1.2337 | 41.0116 | 7.5269  | 1.23366 |
| 5200  | 4.6000 | -1.7740 | 1.2422 | 41.2878 | 7.6559  | 1.24214 |
| 5300  | 4.6171 | -1.7858 | 1.2521 | 41.5918 | 7.8129  | 1.25204 |
| 5400  | 4.6355 | -1.7979 | 1.2636 | 41.9274 | 8.0007  | 1.26354 |
| 5500  | 4.6554 | -1.8104 | 1.2769 | 42.2978 | 8.2227  | 1.27689 |
| 5600  | 4.6766 | -1.8234 | 1.2923 | 42.7057 | 8.4802  | 1.29222 |
| 5700  | 4.6992 | -1.8370 | 1.3099 | 43.1556 | 8.7772  | 1.30982 |
| 5800  | 4.7232 | -1.8511 | 1.3299 | 43.6484 | 9.1146  | 1.32982 |
| 5900  | 4.7483 | -1.8658 | 1.3525 | 44.1878 | 9.4949  | 1.35246 |
| 6000  | 4.7745 | -1.8812 | 1.3777 | 44.7718 | 9.9157  | 1.37770 |
| 6100  | 4.8014 | -1.8971 | 1.4057 | 45.4014 | 10.3773 | 1.40564 |
| 6200  | 4.8289 | -1.9135 | 1.4362 | 46.0732 | 10.8766 | 1.43621 |
| 6300  | 4.8566 | -1.9303 | 1.4693 | 46.7837 | 11.4090 | 1.46925 |
| 6400  | 4.8841 | -1.9474 | 1.5044 | 47.5246 | 11.9655 | 1.50436 |
| 6500  | 4.9113 | -1.9647 | 1.5414 | 48.2909 | 12.5419 | 1.54135 |
| 6600  | 4.9377 | -1.9819 | 1.5796 | 49.0707 | 13.1259 | 1.57957 |
| 6700  | 4.9629 | -1.9990 | 1.6182 | 49.8493 | 13.7030 | 1.61821 |
| 6800  | 4.9868 | -2.0157 | 1.6569 | 50.6194 | 14.2657 | 1.65687 |
| 6900  | 5.0090 | -2.0317 | 1.6945 | 51.3628 | 14.7969 | 1.69448 |
| 7000  | 5.0295 | -2.0472 | 1.7307 | 52.0736 | 15.2911 | 1.73064 |
| 7100  | 5.0481 | -2.0617 | 1.7645 | 52.7370 | 15.7347 | 1.76449 |
| 7200  | 5.0648 | -2.0754 | 1.7957 | 53.3500 | 16.1248 | 1.79573 |
| 7300  | 5.0797 | -2.0882 | 1.8240 | 53.9069 | 16.4572 | 1.82396 |
| 7400  | 5.0929 | -2.1001 | 1.8493 | 54.4115 | 16.7358 | 1.84930 |
| 7500  | 5.1045 | -2.1111 | 1.8716 | 54.8617 | 16.9599 | 1.87159 |
| 7600  | 5.1147 | -2.1214 | 1.8911 | 55.2631 | 17.1354 | 1.89108 |
| 7700  | 5.1237 | -2.1309 | 1.9079 | 55.6192 | 17.2667 | 1.90791 |
| 7800  | 5.1317 | -2.1398 | 1.9225 | 55.9369 | 17.3609 | 1.92247 |
| 7900  | 5.1388 | -2.1482 | 1.9350 | 56.2214 | 17.4238 | 1.93503 |
| 8000  | 5.1452 | -2.1561 | 1.9459 | 56.4780 | 17.4609 | 1.94588 |
| 8100  | 5.1509 | -2.1635 | 1.9552 | 56.7107 | 17.4766 | 1.95525 |
| 8200  | 5.1563 | -2.1707 | 1.9634 | 56.9247 | 17.4762 | 1.96344 |
| 8300  | 5.1612 | -2.1775 | 1.9706 | 57.1232 | 17.4629 | 1.97063 |
| 8400  | 5.1659 | -2.1841 | 1.9770 | 57.3101 | 17.4408 | 1.97707 |
| 8500  | 5.1703 | -2.1906 | 1.9828 | 57.4880 | 17.4125 | 1.98291 |
| 8600  | 5.1746 | -2.1968 | 1.9882 | 57.6592 | 17.3801 | 1.98830 |
| 8700  | 5.1787 | -2.2029 | 1.9932 | 57.8257 | 17.3459 | 1.99334 |
| 8800  | 5.1828 | -2.2089 | 1.9980 | 57.9895 | 17.3116 | 1.99818 |
| 8900  | 5.1869 | -2.2149 | 2.0027 | 58.1520 | 17.2787 | 2.00291 |
| 9000  | 5.1910 | -2.2207 | 2.0074 | 58.3145 | 17.2483 | 2.00758 |
| 9100  | 5.1951 | -2.2265 | 2.0121 | 58.4781 | 17.2215 | 2.01231 |
| 9200  | 5.1993 | -2.2323 | 2.0168 | 58.6439 | 17.1993 | 2.01713 |
| 9300  | 5.2036 | -2.2381 | 2.0218 | 58.8126 | 17.1821 | 2.02211 |
| 9400  | 5.2079 | -2.2438 | 2.0269 | 58.9852 | 17.1711 | 2.02730 |
| 9500  | 5.2124 | -2.2496 | 2.0323 | 59.1624 | 17.1666 | 2.03276 |
| 9600  | 5.2170 | -2.2553 | 2.0380 | 59.3448 | 17.1693 | 2.03852 |
| 9700  | 5.2218 | -2.2611 | 2.0440 | 59.5331 | 17.1795 | 2.04464 |
| 9800  | 5.2267 | -2.2669 | 2.0504 | 59.7278 | 17.1980 | 2.05115 |
| 9900  | 5.2318 | -2.2728 | 2.0573 | 59.9296 | 17.2250 | 2.05808 |
| 10000 | 5.2371 | -2.2787 | 2.0646 | 60.1390 | 17.2611 | 2.06549 |
| 10100 | 5.2425 | -2.2847 | 2.0724 | 60.3564 | 17.3065 | 2.07341 |
| 10200 | 5.2482 | -2.2907 | 2.0807 | 60.5824 | 17.3619 | 2.08187 |
| 10300 | 5.2541 | -2.2968 | 2.0896 | 60.8174 | 17.4272 | 2.09091 |
| 10400 | 5.2602 | -2.3029 | 2.0991 | 61.0622 | 17.5033 | 2.10057 |
| 10500 | 5.2665 | -2.3092 | 2.1093 | 61.3168 | 17.5900 | 2.11088 |
| 10600 | 5.2730 | -2.3155 | 2.1201 | 61.5820 | 17.6879 | 2.12188 |
| 10700 | 5.2797 | -2.3219 | 2.1316 | 61.8580 | 17.7974 | 2.13360 |
| 10800 | 5.2867 | -2.3285 | 2.1439 | 62.1454 | 17.9188 | 2.14608 |
| 10900 | 5.2940 | -2.3351 | 2.1569 | 62.4444 | 18.0520 | 2.15934 |
| 11000 | 5.3014 | -2.3419 | 2.1707 | 62.7555 | 18.1975 | 2.17342 |
| 11100 | 5.3091 | -2.3487 | 2.1854 | 63.0792 | 18.3559 | 2.18836 |
| 11200 | 5.3170 | -2.3557 | 2.2009 | 63.4156 | 18.5268 | 2.20419 |
| 11300 | 5.3252 | -2.3628 | 2.2173 | 63.7649 | 18.7107 | 2.22092 |
| 11400 | 5.3335 | -2.3700 | 2.2347 | 64.1275 | 18.9077 | 2.23859 |
| 11500 | 5.3421 | -2.3773 | 2.2530 | 64.5041 | 19.1181 | 2.25725 |
| 11600 | 5.3510 | -2.3848 | 2.2722 | 64.8941 | 19.3417 | 2.27687 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 11700 | 5.3600 | -2.3923 | 2.2925 | 65.2982 | 19.5788 | 2.29752 |
| 11800 | 5.3692 | -2.4000 | 2.3137 | 65.7161 | 19.8289 | 2.31918 |
| 11900 | 5.3786 | -2.4079 | 2.3360 | 66.1483 | 20.0927 | 2.34190 |
| 12000 | 5.3882 | -2.4158 | 2.3593 | 66.5947 | 20.3698 | 2.36568 |
| 12100 | 5.3979 | -2.4239 | 2.3836 | 67.0547 | 20.6596 | 2.39050 |
| 12200 | 5.4078 | -2.4321 | 2.4090 | 67.5287 | 20.9625 | 2.41640 |
| 12300 | 5.4178 | -2.4403 | 2.4354 | 68.0162 | 21.2775 | 2.44335 |
| 12400 | 5.4280 | -2.4487 | 2.4628 | 68.5168 | 21.6046 | 2.47134 |
| 12500 | 5.4382 | -2.4572 | 2.4913 | 69.0305 | 21.9433 | 2.50037 |
| 12600 | 5.4485 | -2.4657 | 2.5207 | 69.5562 | 22.2928 | 2.53040 |
| 12700 | 5.4589 | -2.4744 | 2.5511 | 70.0939 | 22.6528 | 2.56142 |
| 12800 | 5.4694 | -2.4831 | 2.5824 | 70.6424 | 23.0223 | 2.59337 |
| 12900 | 5.4798 | -2.4919 | 2.6146 | 71.2013 | 23.4005 | 2.62623 |
| 13000 | 5.4903 | -2.5007 | 2.6476 | 71.7693 | 23.7862 | 2.65991 |
| 13100 | 5.5007 | -2.5095 | 2.6814 | 72.3453 | 24.1784 | 2.69436 |
| 13200 | 5.5111 | -2.5183 | 2.7159 | 72.9286 | 24.5764 | 2.72953 |
| 13300 | 5.5214 | -2.5272 | 2.7510 | 73.5180 | 24.9788 | 2.76535 |
| 13400 | 5.5317 | -2.5360 | 2.7867 | 74.1119 | 25.3841 | 2.80170 |
| 13500 | 5.5418 | -2.5449 | 2.8228 | 74.7093 | 25.7913 | 2.83852 |
| 13600 | 5.5518 | -2.5537 | 2.8593 | 75.3089 | 26.1991 | 2.87573 |
| 13700 | 5.5617 | -2.5624 | 2.8961 | 75.9087 | 26.6054 | 2.91317 |
| 13800 | 5.5714 | -2.5710 | 2.9330 | 76.5076 | 27.0095 | 2.95078 |
| 13900 | 5.5809 | -2.5796 | 2.9700 | 77.1037 | 27.4093 | 2.98843 |
| 14000 | 5.5904 | -2.5881 | 3.0069 | 77.7063 | 27.8141 | 3.02603 |
| 14100 | 5.5993 | -2.5965 | 3.0437 | 78.2833 | 28.1919 | 3.06349 |
| 14200 | 5.6082 | -2.6047 | 3.0803 | 78.8639 | 28.5719 | 3.10069 |
| 14300 | 5.6169 | -2.6129 | 3.1165 | 79.4361 | 28.9422 | 3.13748 |
| 14400 | 5.6253 | -2.6208 | 3.1523 | 79.9998 | 29.3025 | 3.17386 |
| 14500 | 5.6334 | -2.6287 | 3.1875 | 80.5522 | 29.6508 | 3.20963 |
| 14600 | 5.6413 | -2.6363 | 3.2221 | 81.0922 | 29.9860 | 3.24469 |
| 14700 | 5.6489 | -2.6438 | 3.2559 | 81.6201 | 30.3080 | 3.27904 |
| 14800 | 5.6562 | -2.6512 | 3.2890 | 82.1346 | 30.6160 | 3.31259 |
| 14900 | 5.6633 | -2.6583 | 3.3212 | 82.6341 | 30.9084 | 3.34519 |
| 15000 | 5.6700 | -2.6653 | 3.3524 | 83.1188 | 31.1855 | 3.37687 |

LOG P= -.3

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5386  | .1404   | .9903  | 20.7583 | 3.4565 | 1.00000 |
| 200  | 2.8429  | -.1644  | .9988  | 23.1900 | 3.4821 | 1.00000 |
| 300  | 3.0197  | -.3409  | .9998  | 24.6090 | 3.4877 | 1.00000 |
| 400  | 3.1455  | -.4659  | 1.0001 | 25.6200 | 3.4947 | 1.00000 |
| 500  | 3.2439  | -.5629  | 1.0002 | 26.4147 | 3.5072 | 1.00000 |
| 600  | 3.3255  | -.6421  | 1.0002 | 27.0741 | 3.5269 | 1.00000 |
| 700  | 3.3955  | -.7091  | 1.0002 | 27.6457 | 3.5517 | 1.00000 |
| 800  | 3.4572  | -.7670  | 1.0002 | 28.1511 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -.8182  | 1.0002 | 28.6058 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -.8639  | 1.0002 | 29.0214 | 3.6467 | 1.00000 |
| 1100 | 3.6071  | -.9053  | 1.0001 | 29.4050 | 3.6791 | 1.00000 |
| 1200 | 3.6488  | -.9431  | 1.0001 | 29.7591 | 3.7122 | 1.00000 |
| 1300 | 3.6874  | -.9778  | 1.0001 | 30.0900 | 3.7452 | 1.00000 |
| 1400 | 3.7234  | -1.0100 | 1.0001 | 30.4012 | 3.7777 | 1.00000 |
| 1500 | 3.7570  | -1.0400 | 1.0002 | 30.6951 | 3.8099 | 1.00000 |
| 1600 | 3.7887  | -1.0680 | 1.0001 | 30.9748 | 3.8421 | 1.00000 |
| 1700 | 3.8187  | -1.0944 | 1.0001 | 31.2407 | 3.8744 | 1.00001 |
| 1800 | 3.8470  | -1.1192 | 1.0001 | 31.4954 | 3.9063 | 1.00004 |
| 1900 | 3.8742  | -1.1427 | 1.0002 | 31.7408 | 3.9397 | 1.00009 |
| 2000 | 3.9003  | -1.1650 | 1.0003 | 31.9786 | 3.9747 | 1.00021 |
| 2100 | 3.9256  | -1.1863 | 1.0005 | 32.2110 | 4.0120 | 1.00043 |
| 2200 | 3.9504  | -1.2067 | 1.0009 | 32.4406 | 4.0546 | 1.00085 |
| 2300 | 3.9748  | -1.2263 | 1.0016 | 32.6704 | 4.1027 | 1.00156 |
| 2400 | 3.9994  | -1.2453 | 1.0028 | 32.9042 | 4.1605 | 1.00270 |
| 2500 | 4.0245  | -1.2638 | 1.0046 | 33.1462 | 4.2316 | 1.00447 |

|      |        |         |        |         |         |         |
|------|--------|---------|--------|---------|---------|---------|
| 2600 | 4.0504 | -1.2819 | 1.0072 | 33.4011 | 4.3190  | 1.00712 |
| 2700 | 4.0774 | -1.3000 | 1.0110 | 33.6738 | 4.4262  | 1.01090 |
| 2800 | 4.1060 | -1.3180 | 1.0162 | 33.9694 | 4.5590  | 1.01612 |
| 2900 | 4.1362 | -1.3362 | 1.0231 | 34.2918 | 4.7187  | 1.02304 |
| 3000 | 4.1682 | -1.3547 | 1.0320 | 34.6461 | 4.9097  | 1.03192 |
| 3100 | 4.2012 | -1.3735 | 1.0429 | 35.0276 | 5.1271  | 1.04287 |
| 3200 | 4.2350 | -1.3927 | 1.0560 | 35.4356 | 5.3683  | 1.05588 |
| 3300 | 4.2687 | -1.4121 | 1.0707 | 35.8625 | 5.6261  | 1.07066 |
| 3400 | 4.3016 | -1.4315 | 1.0868 | 36.2980 | 5.8901  | 1.08673 |
| 3500 | 4.3326 | -1.4506 | 1.1034 | 36.7275 | 6.1447  | 1.10330 |
| 3600 | 4.3610 | -1.4692 | 1.1196 | 37.1372 | 6.3782  | 1.11955 |
| 3700 | 4.3863 | -1.4869 | 1.1347 | 37.5146 | 6.5776  | 1.13465 |
| 3800 | 4.4084 | -1.5036 | 1.1481 | 37.8533 | 6.7392  | 1.14803 |
| 3900 | 4.4275 | -1.5192 | 1.1595 | 38.1522 | 6.8614  | 1.15947 |
| 4000 | 4.4440 | -1.5338 | 1.1691 | 38.4147 | 6.9486  | 1.16900 |
| 4100 | 4.4584 | -1.5474 | 1.1769 | 38.6473 | 7.0088  | 1.17684 |
| 4200 | 4.4714 | -1.5602 | 1.1834 | 38.8570 | 7.0490  | 1.18334 |
| 4300 | 4.4833 | -1.5725 | 1.1889 | 39.0509 | 7.0772  | 1.18883 |
| 4400 | 4.4946 | -1.5842 | 1.1937 | 39.2351 | 7.0981  | 1.19366 |
| 4500 | 4.5056 | -1.5956 | 1.1982 | 39.4152 | 7.1189  | 1.19810 |
| 4600 | 4.5166 | -1.6067 | 1.2025 | 39.5954 | 7.1421  | 1.20241 |
| 4700 | 4.5278 | -1.6176 | 1.2069 | 39.7800 | 7.1726  | 1.20681 |
| 4800 | 4.5394 | -1.6284 | 1.2116 | 39.9725 | 7.2138  | 1.21151 |
| 4900 | 4.5517 | -1.6393 | 1.2167 | 40.1766 | 7.2687  | 1.21670 |
| 5000 | 4.5651 | -1.6501 | 1.2225 | 40.4025 | 7.3479  | 1.22246 |
| 5100 | 4.5791 | -1.6611 | 1.2292 | 40.6397 | 7.4385  | 1.22919 |
| 5200 | 4.5940 | -1.6722 | 1.2370 | 40.8977 | 7.5512  | 1.23695 |
| 5300 | 4.6101 | -1.6836 | 1.2460 | 41.1802 | 7.6889  | 1.24594 |
| 5400 | 4.6275 | -1.6954 | 1.2564 | 41.4907 | 7.8542  | 1.25635 |
| 5500 | 4.6462 | -1.7075 | 1.2684 | 41.8324 | 8.0503  | 1.26841 |
| 5600 | 4.6662 | -1.7200 | 1.2823 | 42.2077 | 8.2787  | 1.28226 |
| 5700 | 4.6875 | -1.7331 | 1.2982 | 42.6211 | 8.5429  | 1.29816 |
| 5800 | 4.7101 | -1.7466 | 1.3163 | 43.0735 | 8.8443  | 1.31625 |
| 5900 | 4.7340 | -1.7608 | 1.3368 | 43.5690 | 9.1856  | 1.33676 |
| 6000 | 4.7588 | -1.7755 | 1.3597 | 44.1062 | 9.5652  | 1.35969 |
| 6100 | 4.7846 | -1.7907 | 1.3852 | 44.6868 | 9.9840  | 1.38519 |
| 6200 | 4.8111 | -1.8065 | 1.4133 | 45.3088 | 10.4403 | 1.41323 |
| 6300 | 4.8380 | -1.8227 | 1.4438 | 45.9704 | 10.9311 | 1.44377 |
| 6400 | 4.8650 | -1.8393 | 1.4765 | 46.6654 | 11.4494 | 1.47649 |
| 6500 | 4.8918 | -1.8561 | 1.5114 | 47.3904 | 11.9929 | 1.51132 |
| 6600 | 4.9182 | -1.8731 | 1.5478 | 48.1362 | 12.5513 | 1.54774 |
| 6700 | 4.9438 | -1.8900 | 1.5851 | 48.8899 | 13.1121 | 1.58509 |
| 6800 | 4.9683 | -1.9067 | 1.6230 | 49.6458 | 13.6693 | 1.62300 |
| 6900 | 4.9913 | -1.9230 | 1.6606 | 50.3864 | 14.2066 | 1.66054 |
| 7000 | 5.0130 | -1.9387 | 1.6973 | 51.1060 | 14.7180 | 1.69730 |
| 7100 | 5.0328 | -1.9538 | 1.7324 | 51.7887 | 15.1889 | 1.73236 |
| 7200 | 5.0509 | -1.9680 | 1.7654 | 52.4296 | 15.6143 | 1.76533 |
| 7300 | 5.0671 | -1.9814 | 1.7957 | 53.0205 | 15.9874 | 1.79568 |
| 7400 | 5.0817 | -1.9940 | 1.8234 | 53.5630 | 16.3101 | 1.82341 |
| 7500 | 5.0946 | -2.0057 | 1.8482 | 54.0523 | 16.5786 | 1.84818 |
| 7600 | 5.1061 | -2.0165 | 1.8701 | 54.4920 | 16.7972 | 1.87012 |
| 7700 | 5.1161 | -2.0267 | 1.8893 | 54.8842 | 16.9689 | 1.88931 |
| 7800 | 5.1251 | -2.0361 | 1.9061 | 55.2351 | 17.0999 | 1.90605 |
| 7900 | 5.1330 | -2.0449 | 1.9206 | 55.5493 | 17.1956 | 1.92060 |
| 8000 | 5.1402 | -2.0532 | 1.9332 | 55.8316 | 17.2612 | 1.93321 |
| 8100 | 5.1466 | -2.0611 | 1.9441 | 56.0862 | 17.3011 | 1.94410 |
| 8200 | 5.1524 | -2.0685 | 1.9536 | 56.3185 | 17.3209 | 1.95359 |
| 8300 | 5.1577 | -2.0756 | 1.9618 | 56.5318 | 17.3243 | 1.96188 |
| 8400 | 5.1627 | -2.0824 | 1.9692 | 56.7304 | 17.3155 | 1.96922 |
| 8500 | 5.1674 | -2.0890 | 1.9757 | 56.9174 | 17.2976 | 1.97580 |
| 8600 | 5.1719 | -2.0954 | 1.9817 | 57.0950 | 17.2731 | 1.98175 |
| 8700 | 5.1762 | -2.1016 | 1.9871 | 57.2657 | 17.2442 | 1.98722 |
| 8800 | 5.1804 | -2.1077 | 1.9922 | 57.4318 | 17.2134 | 1.99237 |
| 8900 | 5.1845 | -2.1137 | 1.9971 | 57.5949 | 17.1821 | 1.99729 |
| 9000 | 5.1886 | -2.1195 | 2.0019 | 57.7562 | 17.1516 | 2.00207 |
| 9100 | 5.1926 | -2.1253 | 2.0066 | 57.9173 | 17.1234 | 2.00679 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 9200  | 5.1967 | -2.1311 | 2.0112 | 58.0790 | 17.0982 | 2.01152 |
| 9300  | 5.2009 | -2.1368 | 2.0160 | 58.2425 | 17.0768 | 2.01633 |
| 9400  | 5.2051 | -2.1425 | 2.0209 | 58.4086 | 17.0604 | 2.02128 |
| 9500  | 5.2094 | -2.1482 | 2.0260 | 58.5781 | 17.0494 | 2.02643 |
| 9600  | 5.2139 | -2.1539 | 2.0313 | 58.7517 | 17.0446 | 2.03180 |
| 9700  | 5.2184 | -2.1596 | 2.0369 | 58.9299 | 17.0461 | 2.03746 |
| 9800  | 5.2231 | -2.1653 | 2.0428 | 59.1135 | 17.0549 | 2.04344 |
| 9900  | 5.2279 | -2.1710 | 2.0490 | 59.3031 | 17.0712 | 2.04978 |
| 10000 | 5.2329 | -2.1768 | 2.0557 | 59.4991 | 17.0956 | 2.05653 |
| 10100 | 5.2380 | -2.1826 | 2.0628 | 59.7020 | 17.1282 | 2.06371 |
| 10200 | 5.2434 | -2.1885 | 2.0703 | 59.9124 | 17.1697 | 2.07136 |
| 10300 | 5.2489 | -2.1944 | 2.0783 | 60.1306 | 17.2201 | 2.07952 |
| 10400 | 5.2546 | -2.2004 | 2.0869 | 60.3573 | 17.2801 | 2.08823 |
| 10500 | 5.2605 | -2.2064 | 2.0960 | 60.5927 | 17.3499 | 2.09751 |
| 10600 | 5.2666 | -2.2126 | 2.1057 | 60.8373 | 17.4297 | 2.10741 |
| 10700 | 5.2729 | -2.2188 | 2.1160 | 61.0917 | 17.5200 | 2.11794 |
| 10800 | 5.2795 | -2.2251 | 2.1270 | 61.3561 | 17.6210 | 2.12914 |
| 10900 | 5.2862 | -2.2314 | 2.1387 | 61.6308 | 17.7327 | 2.14105 |
| 11000 | 5.2932 | -2.2379 | 2.1511 | 61.9163 | 17.8558 | 2.15369 |
| 11100 | 5.3004 | -2.2445 | 2.1643 | 62.2130 | 17.9904 | 2.16711 |
| 11200 | 5.3078 | -2.2512 | 2.1782 | 62.5212 | 18.1365 | 2.18132 |
| 11300 | 5.3154 | -2.2580 | 2.1929 | 62.8410 | 18.2945 | 2.19634 |
| 11400 | 5.3232 | -2.2649 | 2.2085 | 63.1729 | 18.4645 | 2.21222 |
| 11500 | 5.3313 | -2.2719 | 2.2249 | 63.5173 | 18.6470 | 2.22900 |
| 11600 | 5.3396 | -2.2790 | 2.2422 | 63.8741 | 18.8414 | 2.24666 |
| 11700 | 5.3481 | -2.2862 | 2.2604 | 64.2438 | 19.0485 | 2.26526 |
| 11800 | 5.3567 | -2.2936 | 2.2795 | 64.6261 | 19.2679 | 2.28479 |
| 11900 | 5.3656 | -2.3011 | 2.2996 | 65.0216 | 19.4998 | 2.30528 |
| 12000 | 5.3746 | -2.3086 | 2.3206 | 65.4304 | 19.7444 | 2.32678 |
| 12100 | 5.3838 | -2.3163 | 2.3426 | 65.8518 | 20.0009 | 2.34924 |
| 12200 | 5.3932 | -2.3242 | 2.3656 | 66.2865 | 20.2699 | 2.37270 |
| 12300 | 5.4027 | -2.3321 | 2.3895 | 66.7341 | 20.5509 | 2.39717 |
| 12400 | 5.4124 | -2.3401 | 2.4144 | 67.1942 | 20.8435 | 2.42263 |
| 12500 | 5.4222 | -2.3482 | 2.4403 | 67.6671 | 21.1477 | 2.44910 |
| 12600 | 5.4321 | -2.3564 | 2.4671 | 68.1519 | 21.4627 | 2.47654 |
| 12700 | 5.4420 | -2.3647 | 2.4949 | 68.6487 | 21.7886 | 2.50495 |
| 12800 | 5.4521 | -2.3731 | 2.5236 | 69.1566 | 22.1243 | 2.53430 |
| 12900 | 5.4622 | -2.3815 | 2.5533 | 69.6754 | 22.4696 | 2.56458 |
| 13000 | 5.4723 | -2.3901 | 2.5837 | 70.2042 | 22.8235 | 2.59572 |
| 13100 | 5.4825 | -2.3986 | 2.6150 | 70.7418 | 23.1849 | 2.62769 |
| 13200 | 5.4926 | -2.4072 | 2.6471 | 71.2884 | 23.5538 | 2.66046 |
| 13300 | 5.5028 | -2.4158 | 2.6799 | 71.8427 | 23.9288 | 2.69397 |
| 13400 | 5.5129 | -2.4245 | 2.7133 | 72.4033 | 24.3088 | 2.72814 |
| 13500 | 5.5229 | -2.4331 | 2.7474 | 72.9696 | 24.6927 | 2.76290 |
| 13600 | 5.5329 | -2.4417 | 2.7819 | 73.5404 | 25.0799 | 2.79821 |
| 13700 | 5.5427 | -2.4504 | 2.8169 | 74.1140 | 25.4682 | 2.83393 |
| 13800 | 5.5525 | -2.4589 | 2.8523 | 74.6896 | 25.8572 | 2.87001 |
| 13900 | 5.5621 | -2.4674 | 2.8878 | 75.2652 | 26.2447 | 2.90632 |
| 14000 | 5.5717 | -2.4759 | 2.9236 | 75.8499 | 26.6399 | 2.94280 |
| 14100 | 5.5808 | -2.4843 | 2.9595 | 76.4135 | 27.0127 | 2.97936 |
| 14200 | 5.5899 | -2.4926 | 2.9953 | 76.9834 | 27.3902 | 3.01590 |
| 14300 | 5.5988 | -2.5008 | 3.0310 | 77.5482 | 27.7615 | 3.05227 |
| 14400 | 5.6075 | -2.5089 | 3.0666 | 78.1078 | 28.1262 | 3.08848 |
| 14500 | 5.6159 | -2.5168 | 3.1017 | 78.6596 | 28.4820 | 3.12431 |
| 14600 | 5.6242 | -2.5247 | 3.1365 | 79.2023 | 28.8279 | 3.15969 |
| 14700 | 5.6322 | -2.5323 | 3.1708 | 79.7361 | 29.1639 | 3.19460 |
| 14800 | 5.6399 | -2.5399 | 3.2046 | 80.2597 | 29.4886 | 3.22893 |
| 14900 | 5.6474 | -2.5473 | 3.2377 | 80.7712 | 29.8005 | 3.26256 |
| 15000 | 5.6547 | -2.5545 | 3.2701 | 81.2705 | 30.0995 | 3.29544 |

LCG P= -.2

| T   | LOG H/R | LOG RHC | Z     | S/R     | H/RT   | Z*      |
|-----|---------|---------|-------|---------|--------|---------|
| 100 | 2.5366  | .2416   | .9876 | 20.5161 | 3.4400 | 1.00000 |
| 200 | 2.8427  | -.0642  | .9985 | 22.9593 | 3.4810 | 1.00000 |

|      |        |         |        |         |         |         |
|------|--------|---------|--------|---------|---------|---------|
| 300  | 3.0196 | -.2409  | .9998  | 24.3790 | 3.4874  | 1.00000 |
| 400  | 3.1454 | -.3659  | 1.0002 | 25.3895 | 3.4945  | 1.00000 |
| 500  | 3.2439 | -.4629  | 1.0003 | 26.1843 | 3.5071  | 1.00000 |
| 600  | 3.3255 | -.5421  | 1.0003 | 26.8434 | 3.5269  | 1.00000 |
| 700  | 3.3955 | -.6091  | 1.0003 | 27.4150 | 3.5517  | 1.00000 |
| 800  | 3.4572 | -.6670  | 1.0003 | 27.9206 | 3.5817  | 1.00000 |
| 900  | 3.5121 | -.7182  | 1.0002 | 28.3766 | 3.6129  | 1.00000 |
| 1000 | 3.5619 | -.7639  | 1.0002 | 28.7911 | 3.6466  | 1.00000 |
| 1100 | 3.6071 | -.8053  | 1.0002 | 29.1743 | 3.6791  | 1.00000 |
| 1200 | 3.6488 | -.8431  | 1.0002 | 29.5292 | 3.7122  | 1.00000 |
| 1300 | 3.6874 | -.8778  | 1.0001 | 29.8601 | 3.7452  | 1.00000 |
| 1400 | 3.7234 | -.9100  | 1.0001 | 30.1707 | 3.7777  | 1.00000 |
| 1500 | 3.7570 | -.9400  | 1.0002 | 30.4658 | 3.8099  | 1.00000 |
| 1500 | 3.7570 | -.9400  | 1.0002 | 30.4656 | 3.8097  | 1.00000 |
| 1600 | 3.7887 | -.9680  | 1.0002 | 30.7446 | 3.8421  | 1.00000 |
| 1700 | 3.8187 | -.9944  | 1.0002 | 31.0104 | 3.8743  | 1.00001 |
| 1800 | 3.8470 | -1.0192 | 1.0002 | 31.2650 | 3.9062  | 1.00003 |
| 1900 | 3.8742 | -1.0427 | 1.0002 | 31.5102 | 3.9393  | 1.00008 |
| 2000 | 3.9003 | -1.0650 | 1.0003 | 31.7476 | 3.9740  | 1.00019 |
| 2100 | 3.9254 | -1.0863 | 1.0005 | 31.9793 | 4.0106  | 1.00039 |
| 2200 | 3.9501 | -1.1067 | 1.0009 | 32.2076 | 4.0521  | 1.00076 |
| 2300 | 3.9743 | -1.1262 | 1.0015 | 32.4353 | 4.0982  | 1.00138 |
| 2400 | 3.9986 | -1.1452 | 1.0025 | 32.6659 | 4.1531  | 1.00240 |
| 2500 | 4.0232 | -1.1636 | 1.0041 | 32.9031 | 4.2199  | 1.00399 |
| 2600 | 4.0486 | -1.1816 | 1.0065 | 33.1513 | 4.3010  | 1.00636 |
| 2700 | 4.0748 | -1.1995 | 1.0098 | 33.4150 | 4.4000  | 1.00974 |
| 2800 | 4.1025 | -1.2173 | 1.0145 | 33.6988 | 4.5222  | 1.01441 |
| 2900 | 4.1316 | -1.2352 | 1.0207 | 34.0066 | 4.6688  | 1.02065 |
| 3000 | 4.1624 | -1.2533 | 1.0288 | 34.3437 | 4.8445  | 1.02867 |
| 3100 | 4.1942 | -1.2717 | 1.0387 | 34.7060 | 5.0452  | 1.03865 |
| 3200 | 4.2269 | -1.2905 | 1.0507 | 35.0942 | 5.2694  | 1.05061 |
| 3300 | 4.2598 | -1.3095 | 1.0644 | 35.5025 | 5.5119  | 1.06435 |
| 3400 | 4.2922 | -1.3286 | 1.0796 | 35.9227 | 5.7642  | 1.07953 |
| 3500 | 4.3232 | -1.3476 | 1.0956 | 36.3426 | 6.0129  | 1.09550 |
| 3600 | 4.3520 | -1.3661 | 1.1116 | 36.7495 | 6.2473  | 1.11153 |
| 3700 | 4.3780 | -1.3839 | 1.1269 | 37.1306 | 6.4541  | 1.12679 |
| 3800 | 4.4011 | -1.4008 | 1.1408 | 37.4782 | 6.6276  | 1.14069 |
| 3900 | 4.4213 | -1.4167 | 1.1529 | 37.7886 | 6.7640  | 1.15285 |
| 4000 | 4.4387 | -1.4316 | 1.1632 | 38.0631 | 6.8655  | 1.16317 |
| 4100 | 4.4540 | -1.4455 | 1.1718 | 38.3064 | 6.9384  | 1.17177 |
| 4200 | 4.4677 | -1.4586 | 1.1790 | 38.5247 | 6.9887  | 1.17894 |
| 4300 | 4.4801 | -1.4711 | 1.1850 | 38.7247 | 7.0244  | 1.18496 |
| 4400 | 4.4916 | -1.4829 | 1.1902 | 38.9125 | 7.0501  | 1.19019 |
| 4500 | 4.5028 | -1.4944 | 1.1950 | 39.0937 | 7.0730  | 1.19489 |
| 4600 | 4.5138 | -1.5056 | 1.1994 | 39.2728 | 7.0960  | 1.19934 |
| 4700 | 4.5248 | -1.5165 | 1.2038 | 39.4539 | 7.1240  | 1.20376 |
| 4800 | 4.5362 | -1.5273 | 1.2084 | 39.6407 | 7.1605  | 1.20836 |
| 4900 | 4.5480 | -1.5380 | 1.2134 | 39.8366 | 7.2086  | 1.21331 |
| 5000 | 4.5610 | -1.5488 | 1.2188 | 40.0519 | 7.2784  | 1.21873 |
| 5100 | 4.5743 | -1.5596 | 1.2250 | 40.2758 | 7.3572  | 1.22495 |
| 5200 | 4.5885 | -1.5705 | 1.2321 | 40.5179 | 7.4556  | 1.23208 |
| 5300 | 4.6037 | -1.5817 | 1.2403 | 40.7813 | 7.5762  | 1.24028 |
| 5400 | 4.6201 | -1.5931 | 1.2498 | 41.0696 | 7.7216  | 1.24974 |
| 5500 | 4.6377 | -1.6048 | 1.2607 | 41.3854 | 7.8945  | 1.26065 |
| 5600 | 4.6565 | -1.6169 | 1.2732 | 41.7315 | 8.0966  | 1.27318 |
| 5700 | 4.6766 | -1.6295 | 1.2876 | 42.1118 | 8.3312  | 1.28754 |
| 5800 | 4.6979 | -1.6425 | 1.3039 | 42.5275 | 8.5999  | 1.30389 |
| 5900 | 4.7205 | -1.6561 | 1.3225 | 42.9825 | 8.9053  | 1.32245 |
| 6000 | 4.7441 | -1.6702 | 1.3433 | 43.4763 | 9.2465  | 1.34325 |
| 6100 | 4.7687 | -1.6848 | 1.3665 | 44.0111 | 9.6250  | 1.36646 |
| 6200 | 4.7941 | -1.6999 | 1.3921 | 44.5854 | 10.0399 | 1.39210 |
| 6300 | 4.8201 | -1.7156 | 1.4202 | 45.1989 | 10.4893 | 1.42017 |
| 6400 | 4.8463 | -1.7316 | 1.4505 | 45.8471 | 10.9681 | 1.45045 |
| 6500 | 4.8727 | -1.7479 | 1.4830 | 46.5282 | 11.4754 | 1.48296 |
| 6600 | 4.8988 | -1.7645 | 1.5174 | 47.2349 | 12.0030 | 1.51732 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 6700  | 4.9244 | -1.7811 | 1.5530 | 47.9569 | 12.5405 | 1.55297 |
| 6800  | 4.9492 | -1.7977 | 1.5897 | 48.6898 | 13.0835 | 1.58967 |
| 6900  | 4.9729 | -1.8140 | 1.6266 | 49.4180 | 13.6169 | 1.62658 |
| 7000  | 4.9954 | -1.8299 | 1.6634 | 50.1361 | 14.1351 | 1.66333 |
| 7100  | 5.0163 | -1.8453 | 1.6990 | 50.8279 | 14.6232 | 1.69901 |
| 7200  | 5.0356 | -1.8600 | 1.7332 | 51.4875 | 15.0751 | 1.73317 |
| 7300  | 5.0532 | -1.8740 | 1.7652 | 52.1050 | 15.4818 | 1.76520 |
| 7400  | 5.0691 | -1.8872 | 1.7950 | 52.6800 | 15.8437 | 1.79498 |
| 7500  | 5.0834 | -1.8995 | 1.8221 | 53.2053 | 16.1542 | 1.82204 |
| 7600  | 5.0961 | -1.9110 | 1.8464 | 53.6826 | 16.4159 | 1.84641 |
| 7700  | 5.1074 | -1.9217 | 1.8680 | 54.1119 | 16.6292 | 1.86801 |
| 7800  | 5.1174 | -1.9317 | 1.8871 | 54.4980 | 16.7995 | 1.88707 |
| 7900  | 5.1263 | -1.9411 | 1.9038 | 54.8446 | 16.9313 | 1.90378 |
| 8000  | 5.1343 | -1.9499 | 1.9184 | 55.1560 | 17.0291 | 1.91836 |
| 8100  | 5.1414 | -1.9581 | 1.9310 | 55.4359 | 17.0970 | 1.93100 |
| 8200  | 5.1479 | -1.9659 | 1.9420 | 55.6899 | 17.1409 | 1.94202 |
| 8300  | 5.1537 | -1.9733 | 1.9516 | 55.9214 | 17.1644 | 1.95163 |
| 8400  | 5.1591 | -1.9804 | 1.9600 | 56.1349 | 17.1724 | 1.96007 |
| 8500  | 5.1641 | -1.9872 | 1.9675 | 56.3339 | 17.1680 | 1.96758 |
| 8600  | 5.1689 | -1.9937 | 1.9742 | 56.5207 | 17.1541 | 1.97428 |
| 8700  | 5.1734 | -2.0001 | 1.9803 | 56.6981 | 17.1334 | 1.98035 |
| 8800  | 5.1777 | -2.0063 | 1.9858 | 56.8689 | 17.1084 | 1.98595 |
| 8900  | 5.1819 | -2.0123 | 1.9911 | 57.0346 | 17.0811 | 1.99121 |
| 9000  | 5.1860 | -2.0183 | 1.9960 | 57.1969 | 17.0526 | 1.99621 |
| 9100  | 5.1901 | -2.0241 | 2.0008 | 57.3573 | 17.0248 | 2.00105 |
| 9200  | 5.1942 | -2.0299 | 2.0056 | 57.5169 | 16.9985 | 2.00582 |
| 9300  | 5.1983 | -2.0356 | 2.0103 | 57.6769 | 16.9747 | 2.01056 |
| 9400  | 5.2024 | -2.0413 | 2.0150 | 57.8382 | 16.9547 | 2.01538 |
| 9500  | 5.2066 | -2.0469 | 2.0199 | 58.0017 | 16.9389 | 2.02031 |
| 9600  | 5.2109 | -2.0525 | 2.0249 | 58.1681 | 16.9280 | 2.02540 |
| 9700  | 5.2152 | -2.0582 | 2.0302 | 58.3381 | 16.9226 | 2.03069 |
| 9800  | 5.2197 | -2.0638 | 2.0356 | 58.5124 | 16.9233 | 2.03626 |
| 9900  | 5.2243 | -2.0694 | 2.0414 | 58.6914 | 16.9305 | 2.04210 |
| 10000 | 5.2290 | -2.0751 | 2.0475 | 58.8759 | 16.9448 | 2.04829 |
| 10100 | 5.2339 | -2.0808 | 2.0539 | 59.0662 | 16.9664 | 2.05484 |
| 10200 | 5.2389 | -2.0865 | 2.0608 | 59.2629 | 16.9958 | 2.06180 |
| 10300 | 5.2441 | -2.0923 | 2.0680 | 59.4663 | 17.0332 | 2.06919 |
| 10400 | 5.2495 | -2.0981 | 2.0758 | 59.6770 | 17.0792 | 2.07707 |
| 10500 | 5.2551 | -2.1039 | 2.0840 | 59.8954 | 17.1338 | 2.08544 |
| 10600 | 5.2608 | -2.1099 | 2.0927 | 60.1219 | 17.1977 | 2.09435 |
| 10700 | 5.2667 | -2.1159 | 2.1020 | 60.3569 | 17.2708 | 2.10383 |
| 10800 | 5.2728 | -2.1220 | 2.1119 | 60.6008 | 17.3537 | 2.11391 |
| 10900 | 5.2791 | -2.1281 | 2.1224 | 60.8538 | 17.4464 | 2.12461 |
| 11000 | 5.2857 | -2.1344 | 2.1335 | 61.1165 | 17.5493 | 2.13597 |
| 11100 | 5.2924 | -2.1407 | 2.1453 | 61.3891 | 17.6626 | 2.14802 |
| 11200 | 5.2993 | -2.1471 | 2.1578 | 61.6720 | 17.7865 | 2.16078 |
| 11300 | 5.3065 | -2.1536 | 2.1710 | 61.9653 | 17.9212 | 2.17428 |
| 11400 | 5.3138 | -2.1602 | 2.1850 | 62.2695 | 18.0668 | 2.18855 |
| 11500 | 5.3213 | -2.1669 | 2.1997 | 62.5850 | 18.2239 | 2.20363 |
| 11600 | 5.3291 | -2.1737 | 2.2153 | 62.9116 | 18.3919 | 2.21950 |
| 11700 | 5.3370 | -2.1807 | 2.2316 | 63.2499 | 18.5717 | 2.23624 |
| 11800 | 5.3452 | -2.1877 | 2.2488 | 63.5998 | 18.7626 | 2.25382 |
| 11900 | 5.3535 | -2.1948 | 2.2669 | 63.9617 | 18.9654 | 2.27229 |
| 12000 | 5.3620 | -2.2021 | 2.2858 | 64.3359 | 19.1800 | 2.29168 |
| 12100 | 5.3707 | -2.2094 | 2.3056 | 64.7218 | 19.4058 | 2.31195 |
| 12200 | 5.3796 | -2.2169 | 2.3263 | 65.1201 | 19.6435 | 2.33317 |
| 12300 | 5.3886 | -2.2245 | 2.3480 | 65.5304 | 19.8924 | 2.35533 |
| 12400 | 5.3978 | -2.2321 | 2.3705 | 65.9527 | 20.1526 | 2.37842 |
| 12500 | 5.4071 | -2.2399 | 2.3940 | 66.3871 | 20.4241 | 2.40246 |
| 12600 | 5.4165 | -2.2478 | 2.4184 | 66.8332 | 20.7063 | 2.42744 |
| 12700 | 5.4260 | -2.2557 | 2.4437 | 67.2909 | 20.9993 | 2.45337 |
| 12800 | 5.4356 | -2.2637 | 2.4699 | 67.7596 | 21.3021 | 2.48021 |
| 12900 | 5.4453 | -2.2719 | 2.4970 | 68.2395 | 21.6150 | 2.50797 |
| 13000 | 5.4551 | -2.2801 | 2.5250 | 68.7296 | 21.9368 | 2.53661 |
| 13100 | 5.4649 | -2.2883 | 2.5537 | 69.2291 | 22.2671 | 2.56609 |
| 13200 | 5.4748 | -2.2966 | 2.5833 | 69.7381 | 22.6055 | 2.59640 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 13300 | 5.4847 | -2.3050 | 2.6137 | 70.2558 | 22.9512 | 2.62751 |
| 13400 | 5.4945 | -2.3134 | 2.6448 | 70.7810 | 23.3031 | 2.65933 |
| 13500 | 5.5044 | -2.3218 | 2.6766 | 71.3133 | 23.6609 | 2.69185 |
| 13600 | 5.5142 | -2.3302 | 2.7090 | 71.8519 | 24.0235 | 2.72502 |
| 13700 | 5.5239 | -2.3386 | 2.7419 | 72.3951 | 24.3893 | 2.75871 |
| 13800 | 5.5336 | -2.3471 | 2.7753 | 72.9427 | 24.7582 | 2.79291 |
| 13900 | 5.5432 | -2.3554 | 2.8091 | 73.4925 | 25.1280 | 2.82750 |
| 14000 | 5.5528 | -2.3638 | 2.8433 | 74.0532 | 25.5074 | 2.86245 |
| 14100 | 5.5620 | -2.3721 | 2.8778 | 74.5972 | 25.8686 | 2.89765 |
| 14200 | 5.5712 | -2.3804 | 2.9124 | 75.1496 | 26.2369 | 2.93303 |
| 14300 | 5.5803 | -2.3886 | 2.9471 | 75.6998 | 26.6018 | 2.96848 |
| 14400 | 5.5891 | -2.3967 | 2.9818 | 76.2479 | 26.9633 | 3.00395 |
| 14500 | 5.5978 | -2.4047 | 3.0165 | 76.7915 | 27.3191 | 3.03930 |
| 14600 | 5.6063 | -2.4126 | 3.0509 | 77.3293 | 27.6679 | 3.07444 |
| 14700 | 5.6146 | -2.4204 | 3.0851 | 77.8614 | 28.0099 | 3.10934 |
| 14800 | 5.6227 | -2.4281 | 3.1190 | 78.3862 | 28.3435 | 3.14387 |
| 14900 | 5.6306 | -2.4357 | 3.1525 | 78.9023 | 28.6674 | 3.17795 |
| 15000 | 5.6382 | -2.4431 | 3.1854 | 79.4087 | 28.9809 | 3.21149 |

LOG P= -.1

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5328  | .3433   | .9840  | 20.2642 | 3.4103 | 1.00000 |
| 200  | 2.8425  | .0359   | .9983  | 22.7279 | 3.4792 | 1.00000 |
| 300  | 3.0196  | -.1409  | .9998  | 24.1491 | 3.4872 | 1.00000 |
| 400  | 3.1454  | -.2660  | 1.0005 | 25.1591 | 3.4942 | 1.00000 |
| 500  | 3.2439  | -.3629  | 1.0003 | 25.9528 | 3.5071 | 1.00000 |
| 600  | 3.3255  | -.4420  | 1.0004 | 26.6122 | 3.5268 | 1.00000 |
| 700  | 3.3955  | -.5090  | 1.0003 | 27.1826 | 3.5518 | 1.00000 |
| 800  | 3.4572  | -.5670  | 1.0003 | 27.6899 | 3.5817 | 1.00000 |
| 900  | 3.5121  | -.6181  | 1.0003 | 28.1475 | 3.6129 | 1.00000 |
| 1000 | 3.5619  | -.6638  | 1.0003 | 28.5610 | 3.6463 | 1.00000 |
| 1100 | 3.6072  | -.7052  | 1.0002 | 28.9419 | 3.6793 | 1.00000 |
| 1200 | 3.6488  | -.7431  | 1.0002 | 29.2993 | 3.7123 | 1.00000 |
| 1300 | 3.6874  | -.7778  | 1.0002 | 29.6299 | 3.7453 | 1.00000 |
| 1400 | 3.7234  | -.8100  | 1.0002 | 29.9400 | 3.7778 | 1.00000 |
| 1500 | 3.7570  | -.8399  | 1.0002 | 30.2372 | 3.8100 | 1.00000 |
| 1500 | 3.7570  | -.8400  | 1.0002 | 30.2353 | 3.8098 | 1.00000 |
| 1600 | 3.7887  | -.8681  | 1.0002 | 30.5143 | 3.8422 | 1.00000 |
| 1700 | 3.8186  | -.8944  | 1.0002 | 30.7801 | 3.8743 | 1.00000 |
| 1800 | 3.8470  | -.9192  | 1.0002 | 31.0346 | 3.9061 | 1.00003 |
| 1900 | 3.8742  | -.9427  | 1.0002 | 31.2796 | 3.9391 | 1.00007 |
| 2000 | 3.9002  | -.9650  | 1.0003 | 31.5167 | 3.9734 | 1.00016 |
| 2100 | 3.9253  | -.9863  | 1.0005 | 31.7477 | 4.0094 | 1.00034 |
| 2200 | 3.9499  | -1.0066 | 1.0008 | 31.9749 | 4.0498 | 1.00068 |
| 2300 | 3.9739  | -1.0262 | 1.0014 | 32.2008 | 4.0943 | 1.00123 |
| 2400 | 3.9979  | -1.0451 | 1.0023 | 32.4284 | 4.1464 | 1.00215 |
| 2500 | 4.0222  | -1.0634 | 1.0037 | 32.6615 | 4.2093 | 1.00356 |
| 2600 | 4.0469  | -1.0813 | 1.0058 | 32.9037 | 4.2850 | 1.00567 |
| 2700 | 4.0725  | -1.0990 | 1.0088 | 33.1591 | 4.3766 | 1.00870 |
| 2800 | 4.0993  | -1.1166 | 1.0130 | 33.4323 | 4.4892 | 1.01289 |
| 2900 | 4.1274  | -1.1343 | 1.0186 | 33.7269 | 4.6239 | 1.01849 |
| 3000 | 4.1571  | -1.1521 | 1.0258 | 34.0481 | 4.7855 | 1.02574 |
| 3100 | 4.1878  | -1.1701 | 1.0349 | 34.3925 | 4.9704 | 1.03479 |
| 3200 | 4.2193  | -1.1885 | 1.0458 | 34.7616 | 5.1781 | 1.04574 |
| 3300 | 4.2513  | -1.2071 | 1.0586 | 35.1513 | 5.4051 | 1.05845 |
| 3400 | 4.2831  | -1.2258 | 1.0728 | 35.5554 | 5.6447 | 1.07269 |
| 3500 | 4.3138  | -1.2446 | 1.0880 | 35.9635 | 5.8852 | 1.08794 |
| 3600 | 4.3429  | -1.2630 | 1.1037 | 36.3645 | 6.1174 | 1.10357 |
| 3700 | 4.3695  | -1.2809 | 1.1189 | 36.7462 | 6.3282 | 1.11881 |
| 3800 | 4.3934  | -1.2979 | 1.1331 | 37.0998 | 6.5109 | 1.13304 |
| 3900 | 4.4145  | -1.3141 | 1.1459 | 37.4199 | 6.6600 | 1.14579 |
| 4000 | 4.4330  | -1.3292 | 1.1569 | 37.7056 | 6.7751 | 1.15683 |
| 4100 | 4.4492  | -1.3434 | 1.1663 | 37.9598 | 6.8610 | 1.16620 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 4200  | 4.4635 | -1.3568 | 1.1741 | 38.1875 | 6.9224  | 1.17406 |
| 4300  | 4.4765 | -1.3695 | 1.1808 | 38.3946 | 6.9666  | 1.18068 |
| 4400  | 4.4884 | -1.3816 | 1.1864 | 38.5871 | 6.9982  | 1.18637 |
| 4500  | 4.4998 | -1.3932 | 1.1915 | 38.7707 | 7.0247  | 1.19140 |
| 4600  | 4.5109 | -1.4044 | 1.1961 | 38.9497 | 7.0488  | 1.19607 |
| 4700  | 4.5219 | -1.4154 | 1.2006 | 39.1286 | 7.0756  | 1.20057 |
| 4800  | 4.5330 | -1.4262 | 1.2052 | 39.3110 | 7.1087  | 1.20513 |
| 4900  | 4.5446 | -1.4369 | 1.2100 | 39.5002 | 7.1511  | 1.20994 |
| 5000  | 4.5571 | -1.4475 | 1.2151 | 39.7065 | 7.2132  | 1.21506 |
| 5100  | 4.5698 | -1.4581 | 1.2210 | 39.9190 | 7.2820  | 1.22089 |
| 5200  | 4.5834 | -1.4689 | 1.2275 | 40.1471 | 7.3679  | 1.22747 |
| 5300  | 4.5978 | -1.4798 | 1.2350 | 40.3936 | 7.4735  | 1.23499 |
| 5400  | 4.6133 | -1.4910 | 1.2437 | 40.6621 | 7.6011  | 1.24361 |
| 5500  | 4.6299 | -1.5024 | 1.2536 | 40.9549 | 7.7534  | 1.25351 |
| 5600  | 4.6476 | -1.5141 | 1.2649 | 41.2747 | 7.9320  | 1.26486 |
| 5700  | 4.6665 | -1.5262 | 1.2779 | 41.6251 | 8.1400  | 1.27784 |
| 5800  | 4.6866 | -1.5388 | 1.2927 | 42.0075 | 8.3789  | 1.29262 |
| 5900  | 4.7079 | -1.5518 | 1.3095 | 42.4256 | 8.6515  | 1.30941 |
| 6000  | 4.7303 | -1.5653 | 1.3283 | 42.8795 | 8.9572  | 1.32825 |
| 6100  | 4.7537 | -1.5793 | 1.3494 | 43.3714 | 9.2980  | 1.34933 |
| 6200  | 4.7780 | -1.5938 | 1.3727 | 43.9007 | 9.6734  | 1.37268 |
| 6300  | 4.8029 | -1.6088 | 1.3984 | 44.4679 | 10.0827 | 1.39838 |
| 6400  | 4.8283 | -1.6242 | 1.4263 | 45.0698 | 10.5221 | 1.42626 |
| 6500  | 4.8540 | -1.6401 | 1.4565 | 45.7062 | 10.9917 | 1.45642 |
| 6600  | 4.8797 | -1.6562 | 1.4886 | 46.3713 | 11.4854 | 1.48856 |
| 6700  | 4.9051 | -1.6724 | 1.5223 | 47.0569 | 11.9945 | 1.52226 |
| 6800  | 4.9300 | -1.6888 | 1.5574 | 47.7604 | 12.5161 | 1.55738 |
| 6900  | 4.9540 | -1.7050 | 1.5932 | 48.4675 | 13.0368 | 1.59316 |
| 7000  | 4.9771 | -1.7210 | 1.6294 | 49.1742 | 13.5520 | 1.62934 |
| 7100  | 4.9989 | -1.7365 | 1.6651 | 49.8650 | 14.0474 | 1.66504 |
| 7200  | 5.0192 | -1.7516 | 1.6999 | 50.5337 | 14.5164 | 1.69982 |
| 7300  | 5.0379 | -1.7660 | 1.7331 | 51.1693 | 14.9489 | 1.73303 |
| 7400  | 5.0552 | -1.7797 | 1.7645 | 51.7701 | 15.3436 | 1.76446 |
| 7500  | 5.0707 | -1.7926 | 1.7936 | 52.3266 | 15.6917 | 1.79352 |
| 7600  | 5.0848 | -1.8048 | 1.8201 | 52.8385 | 15.9937 | 1.82013 |
| 7700  | 5.0973 | -1.8161 | 1.8441 | 53.3034 | 16.2480 | 1.84404 |
| 7800  | 5.1085 | -1.8267 | 1.8655 | 53.7249 | 16.4584 | 1.86544 |
| 7900  | 5.1185 | -1.8367 | 1.8844 | 54.1053 | 16.6281 | 1.88442 |
| 8000  | 5.1274 | -1.8460 | 1.9011 | 54.4482 | 16.7610 | 1.90112 |
| 8100  | 5.1354 | -1.8547 | 1.9157 | 54.7564 | 16.8605 | 1.91570 |
| 8200  | 5.1425 | -1.8629 | 1.9285 | 55.0354 | 16.9320 | 1.92847 |
| 8300  | 5.1490 | -1.8706 | 1.9396 | 55.2883 | 16.9794 | 1.93961 |
| 8400  | 5.1549 | -1.8780 | 1.9494 | 55.5201 | 17.0077 | 1.94939 |
| 8500  | 5.1604 | -1.8851 | 1.9580 | 55.7342 | 17.0204 | 1.95803 |
| 8600  | 5.1655 | -1.8919 | 1.9656 | 55.9332 | 17.0203 | 1.96568 |
| 8700  | 5.1702 | -1.8984 | 1.9724 | 56.1202 | 17.0106 | 1.97252 |
| 8800  | 5.1748 | -1.9047 | 1.9786 | 56.2980 | 16.9940 | 1.97875 |
| 8900  | 5.1792 | -1.9109 | 1.9844 | 56.4688 | 16.9729 | 1.98450 |
| 9000  | 5.1834 | -1.9169 | 1.9897 | 56.6342 | 16.9488 | 1.98987 |
| 9100  | 5.1875 | -1.9228 | 1.9948 | 56.7959 | 16.9234 | 1.99496 |
| 9200  | 5.1916 | -1.9286 | 1.9996 | 56.9553 | 16.8980 | 1.99987 |
| 9300  | 5.1957 | -1.9343 | 2.0044 | 57.1135 | 16.8737 | 2.00487 |
| 9400  | 5.1998 | -1.9400 | 2.0091 | 57.2718 | 16.8516 | 2.00945 |
| 9500  | 5.2039 | -1.9456 | 2.0139 | 57.4311 | 16.8326 | 2.01427 |
| 9600  | 5.2080 | -1.9512 | 2.0187 | 57.5920 | 16.8175 | 2.01918 |
| 9700  | 5.2123 | -1.9568 | 2.0237 | 57.7554 | 16.8066 | 2.02422 |
| 9800  | 5.2166 | -1.9623 | 2.0289 | 57.9220 | 16.8009 | 2.02945 |
| 9900  | 5.2210 | -1.9679 | 2.0342 | 58.0923 | 16.8006 | 2.03490 |
| 10000 | 5.2255 | -1.9735 | 2.0399 | 58.2670 | 16.8064 | 2.04063 |
| 10100 | 5.2301 | -1.9790 | 2.0458 | 58.4464 | 16.8185 | 2.04665 |
| 10200 | 5.2349 | -1.9846 | 2.0521 | 58.6313 | 16.8376 | 2.05302 |
| 10300 | 5.2398 | -1.9903 | 2.0587 | 58.8218 | 16.8637 | 2.05976 |
| 10400 | 5.2449 | -1.9960 | 2.0657 | 59.0186 | 16.8975 | 2.06691 |
| 10500 | 5.2501 | -2.0017 | 2.0731 | 59.2220 | 16.9390 | 2.07449 |
| 10600 | 5.2555 | -2.0074 | 2.0810 | 59.4325 | 16.9887 | 2.08255 |
| 10700 | 5.2610 | -2.0133 | 2.0894 | 59.6504 | 17.0467 | 2.09111 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 10800 | 5.2668 | -2.0191 | 2.0983 | 59.8761 | 17.1136 | 2.10018 |
| 10900 | 5.2727 | -2.0251 | 2.1077 | 60.1098 | 17.1892 | 2.10981 |
| 11000 | 5.2788 | -2.0311 | 2.1177 | 60.3520 | 17.2742 | 2.12003 |
| 11100 | 5.2851 | -2.0372 | 2.1283 | 60.6031 | 17.3685 | 2.13086 |
| 11200 | 5.2916 | -2.0434 | 2.1395 | 60.8632 | 17.4725 | 2.14233 |
| 11300 | 5.2983 | -2.0497 | 2.1514 | 61.1328 | 17.5862 | 2.15445 |
| 11400 | 5.3051 | -2.0560 | 2.1639 | 61.4120 | 17.7100 | 2.16728 |
| 11500 | 5.3122 | -2.0624 | 2.1771 | 61.7014 | 17.8442 | 2.18083 |
| 11600 | 5.3195 | -2.0690 | 2.1911 | 62.0008 | 17.9884 | 2.19510 |
| 11700 | 5.3269 | -2.0756 | 2.2057 | 62.3108 | 18.1435 | 2.21014 |
| 11800 | 5.3345 | -2.0823 | 2.2212 | 62.6313 | 18.3088 | 2.22596 |
| 11900 | 5.3424 | -2.0891 | 2.2374 | 62.9626 | 18.4850 | 2.24258 |
| 12000 | 5.3504 | -2.0961 | 2.2544 | 63.3053 | 18.6722 | 2.26005 |
| 12100 | 5.3586 | -2.1031 | 2.2723 | 63.6586 | 18.8697 | 2.27834 |
| 12200 | 5.3669 | -2.1102 | 2.2909 | 64.0234 | 19.0784 | 2.29749 |
| 12300 | 5.3754 | -2.1175 | 2.3104 | 64.3994 | 19.2978 | 2.31751 |
| 12400 | 5.3841 | -2.1248 | 2.3308 | 64.7865 | 19.5278 | 2.33840 |
| 12500 | 5.3929 | -2.1322 | 2.3520 | 65.1850 | 19.7684 | 2.36018 |
| 12600 | 5.4018 | -2.1397 | 2.3741 | 65.5947 | 20.0195 | 2.38285 |
| 12700 | 5.4109 | -2.1473 | 2.3971 | 66.0155 | 20.2810 | 2.40642 |
| 12800 | 5.4201 | -2.1550 | 2.4209 | 66.4468 | 20.5523 | 2.43086 |
| 12900 | 5.4294 | -2.1628 | 2.4456 | 66.8892 | 20.8335 | 2.45620 |
| 13000 | 5.4387 | -2.1707 | 2.4711 | 67.3416 | 21.1239 | 2.48239 |
| 13100 | 5.4482 | -2.1786 | 2.4974 | 67.8036 | 21.4230 | 2.50942 |
| 13200 | 5.4577 | -2.1866 | 2.5246 | 68.2754 | 21.7307 | 2.53729 |
| 13300 | 5.4672 | -2.1947 | 2.5525 | 68.7563 | 22.0465 | 2.56597 |
| 13400 | 5.4768 | -2.2028 | 2.5812 | 69.2455 | 22.3694 | 2.59541 |
| 13500 | 5.4863 | -2.2109 | 2.6106 | 69.7429 | 22.6991 | 2.62561 |
| 13600 | 5.4959 | -2.2191 | 2.6408 | 70.2476 | 23.0351 | 2.65650 |
| 13700 | 5.5055 | -2.2273 | 2.6715 | 70.7584 | 23.3758 | 2.68802 |
| 13800 | 5.5150 | -2.2356 | 2.7028 | 71.2750 | 23.7212 | 2.72015 |
| 13900 | 5.5245 | -2.2438 | 2.7346 | 71.7959 | 24.0695 | 2.75278 |
| 14000 | 5.5340 | -2.2520 | 2.7669 | 72.3287 | 24.4285 | 2.78590 |
| 14100 | 5.5432 | -2.2602 | 2.7997 | 72.8485 | 24.7732 | 2.81942 |
| 14200 | 5.5524 | -2.2683 | 2.8327 | 73.3783 | 25.1266 | 2.85328 |
| 14300 | 5.5615 | -2.2765 | 2.8660 | 73.9086 | 25.4793 | 2.88737 |
| 14400 | 5.5705 | -2.2845 | 2.8995 | 74.4391 | 25.8310 | 2.92168 |
| 14500 | 5.5793 | -2.2925 | 2.9331 | 74.9678 | 26.1797 | 2.95605 |
| 14600 | 5.5880 | -2.3005 | 2.9667 | 75.4935 | 26.5244 | 2.99042 |
| 14700 | 5.5965 | -2.3083 | 3.0003 | 76.0165 | 26.8651 | 3.02476 |
| 14800 | 5.6048 | -2.3161 | 3.0337 | 76.5349 | 27.2003 | 3.05894 |
| 14900 | 5.6130 | -2.3237 | 3.0669 | 77.0477 | 27.5285 | 3.09288 |
| 15000 | 5.6209 | -2.3313 | 3.0999 | 77.5537 | 27.8493 | 3.12650 |

LCG P= .0

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5292  | .4457   | .9788  | 20.0142 | 3.3821 | 1.00000 |
| 200  | 2.8422  | .1362   | .9979  | 22.4958 | 3.4768 | 1.00000 |
| 300  | 3.0196  | -.0408  | .9998  | 23.9190 | 3.4871 | 1.00000 |
| 400  | 3.1454  | -.1660  | 1.0008 | 24.9286 | 3.4939 | 1.00000 |
| 500  | 3.2439  | -.2627  | 1.0004 | 25.7200 | 3.5070 | 1.00000 |
| 600  | 3.3255  | -.3420  | 1.0005 | 26.3802 | 3.5268 | 1.00000 |
| 700  | 3.3956  | -.4089  | 1.0004 | 26.9496 | 3.5520 | 1.00000 |
| 800  | 3.4572  | -.4669  | 1.0004 | 27.4588 | 3.5816 | 1.00000 |
| 900  | 3.5121  | -.5181  | 1.0004 | 27.9176 | 3.6130 | 1.00000 |
| 1000 | 3.5618  | -.5638  | 1.0003 | 28.3299 | 3.6462 | 1.00000 |
| 1100 | 3.6072  | -.6051  | 1.0003 | 28.7098 | 3.6795 | 1.00000 |
| 1200 | 3.6489  | -.6430  | 1.0003 | 29.0691 | 3.7126 | 1.00000 |
| 1300 | 3.6875  | -.6777  | 1.0003 | 29.3989 | 3.7456 | 1.00000 |
| 1400 | 3.7234  | -.7099  | 1.0003 | 29.7087 | 3.7779 | 1.00000 |
| 1500 | 3.7570  | -.7398  | 1.0002 | 30.0078 | 3.8101 | 1.00000 |
| 1500 | 3.7570  | -.7401  | 1.0003 | 30.0051 | 3.8098 | 1.00000 |
| 1600 | 3.7887  | -.7681  | 1.0002 | 30.2840 | 3.8422 | 1.00000 |

|      |        |         |        |         |         |         |
|------|--------|---------|--------|---------|---------|---------|
| 1700 | 3.8186 | -.7944  | 1.0002 | 30.5498 | 3.8743  | 1.00000 |
| 1800 | 3.8470 | -.8192  | 1.0002 | 30.8043 | 3.9060  | 1.00002 |
| 1900 | 3.8741 | -.8427  | 1.0003 | 31.0491 | 3.9388  | 1.00006 |
| 2000 | 3.9001 | -.8650  | 1.0003 | 31.2858 | 3.9729  | 1.00014 |
| 2100 | 3.9252 | -.8863  | 1.0005 | 31.5163 | 4.0083  | 1.00030 |
| 2200 | 3.9496 | -.9066  | 1.0008 | 31.7424 | 4.0477  | 1.00060 |
| 2300 | 3.9735 | -.9261  | 1.0013 | 31.9667 | 4.0907  | 1.00109 |
| 2400 | 3.9973 | -.9450  | 1.0021 | 32.1918 | 4.1405  | 1.00191 |
| 2500 | 4.0212 | -.9632  | 1.0033 | 32.4210 | 4.1999  | 1.00317 |
| 2600 | 4.0455 | -.9811  | 1.0052 | 32.6578 | 4.2708  | 1.00506 |
| 2700 | 4.0704 | -.9986  | 1.0079 | 32.9060 | 4.3557  | 1.00777 |
| 2800 | 4.0965 | -1.0161 | 1.0117 | 33.1696 | 4.4595  | 1.01152 |
| 2900 | 4.1236 | -1.0334 | 1.0167 | 33.4521 | 4.5834  | 1.01655 |
| 3000 | 4.1522 | -1.0509 | 1.0232 | 33.7589 | 4.7321  | 1.02309 |
| 3100 | 4.1818 | -1.0687 | 1.0314 | 34.0866 | 4.9023  | 1.03129 |
| 3200 | 4.2123 | -1.0866 | 1.0414 | 34.4376 | 5.0945  | 1.04128 |
| 3300 | 4.2433 | -1.1048 | 1.0531 | 34.8092 | 5.3061  | 1.05298 |
| 3400 | 4.2744 | -1.1232 | 1.0664 | 35.1965 | 5.5321  | 1.06626 |
| 3500 | 4.3047 | -1.1417 | 1.0808 | 35.5912 | 5.7627  | 1.08070 |
| 3600 | 4.3337 | -1.1599 | 1.0959 | 35.9839 | 5.9900  | 1.09578 |
| 3700 | 4.3607 | -1.1777 | 1.1109 | 36.3631 | 6.2018  | 1.11081 |
| 3800 | 4.3854 | -1.1949 | 1.1253 | 36.7198 | 6.3910  | 1.12518 |
| 3900 | 4.4073 | -1.2112 | 1.1385 | 37.0475 | 6.5505  | 1.13838 |
| 4000 | 4.4267 | -1.2267 | 1.1502 | 37.3430 | 6.6781  | 1.15005 |
| 4100 | 4.4438 | -1.2412 | 1.1602 | 37.6077 | 6.7768  | 1.16013 |
| 4200 | 4.4589 | -1.2548 | 1.1688 | 37.8450 | 6.8496  | 1.16870 |
| 4300 | 4.4725 | -1.2677 | 1.1760 | 38.0600 | 6.9033  | 1.17594 |
| 4400 | 4.4849 | -1.2800 | 1.1822 | 38.2582 | 6.9421  | 1.18215 |
| 4500 | 4.4966 | -1.2918 | 1.1877 | 38.4453 | 6.9732  | 1.18760 |
| 4600 | 4.5078 | -1.3031 | 1.1926 | 38.6255 | 6.9996  | 1.19253 |
| 4700 | 4.5188 | -1.3141 | 1.1973 | 38.8034 | 7.0265  | 1.19719 |
| 4800 | 4.5299 | -1.3250 | 1.2019 | 38.9827 | 7.0575  | 1.20178 |
| 4900 | 4.5412 | -1.3356 | 1.2066 | 39.1666 | 7.0958  | 1.20651 |
| 5000 | 4.5534 | -1.3462 | 1.2115 | 39.3654 | 7.1514  | 1.21143 |
| 5100 | 4.5656 | -1.3567 | 1.2170 | 39.5681 | 7.2118  | 1.21693 |
| 5200 | 4.5786 | -1.3673 | 1.2231 | 39.7840 | 7.2870  | 1.22307 |
| 5300 | 4.5923 | -1.3781 | 1.2301 | 40.0157 | 7.3794  | 1.23001 |
| 5400 | 4.6070 | -1.3890 | 1.2380 | 40.2667 | 7.4914  | 1.23790 |
| 5500 | 4.6226 | -1.4001 | 1.2470 | 40.5390 | 7.6254  | 1.24691 |
| 5600 | 4.6393 | -1.4115 | 1.2573 | 40.8353 | 7.7829  | 1.25721 |
| 5700 | 4.6572 | -1.4232 | 1.2690 | 41.1590 | 7.9669  | 1.26896 |
| 5800 | 4.6761 | -1.4353 | 1.2824 | 41.5112 | 8.1791  | 1.28233 |
| 5900 | 4.6963 | -1.4478 | 1.2976 | 41.8959 | 8.4218  | 1.29752 |
| 6000 | 4.7174 | -1.4608 | 1.3146 | 42.3131 | 8.6951  | 1.31457 |
| 6100 | 4.7396 | -1.4743 | 1.3337 | 42.7654 | 9.0010  | 1.33367 |
| 6200 | 4.7627 | -1.4882 | 1.3550 | 43.2527 | 9.3394  | 1.35491 |
| 6300 | 4.7866 | -1.5026 | 1.3784 | 43.7760 | 9.7105  | 1.37836 |
| 6400 | 4.8110 | -1.5174 | 1.4040 | 44.3332 | 10.1113 | 1.40391 |
| 6500 | 4.8359 | -1.5326 | 1.4318 | 44.9249 | 10.5430 | 1.43172 |
| 6600 | 4.8610 | -1.5482 | 1.4616 | 45.5469 | 11.0007 | 1.46156 |
| 6700 | 4.8859 | -1.5641 | 1.4932 | 46.1930 | 11.4778 | 1.49313 |
| 6800 | 4.9107 | -1.5800 | 1.5264 | 46.6617 | 11.9727 | 1.52637 |
| 6900 | 4.9349 | -1.5960 | 1.5607 | 47.5410 | 12.4737 | 1.56065 |
| 7000 | 4.9583 | -1.6119 | 1.5958 | 48.2282 | 12.9776 | 1.59578 |
| 7100 | 4.9807 | -1.6276 | 1.6310 | 48.9088 | 13.4709 | 1.63097 |
| 7200 | 5.0018 | -1.6428 | 1.6659 | 49.5770 | 13.9472 | 1.66581 |
| 7300 | 5.0216 | -1.6575 | 1.6997 | 50.2213 | 14.3961 | 1.69962 |
| 7400 | 5.0399 | -1.6717 | 1.7322 | 50.8394 | 14.8152 | 1.73219 |
| 7500 | 5.0567 | -1.6851 | 1.7629 | 51.4199 | 15.1944 | 1.76282 |
| 7600 | 5.0721 | -1.6979 | 1.7914 | 51.9613 | 15.5323 | 1.79133 |
| 7700 | 5.0858 | -1.7098 | 1.8174 | 52.4590 | 15.8252 | 1.81740 |
| 7800 | 5.0983 | -1.7210 | 1.8411 | 52.9149 | 16.0753 | 1.84107 |
| 7900 | 5.1094 | -1.7315 | 1.8624 | 53.3297 | 16.2839 | 1.86234 |
| 8000 | 5.1194 | -1.7414 | 1.8813 | 53.7056 | 16.4540 | 1.88127 |
| 8100 | 5.1283 | -1.7506 | 1.8980 | 54.0445 | 16.5876 | 1.89796 |
| 8200 | 5.1363 | -1.7593 | 1.9127 | 54.3513 | 16.6902 | 1.91266 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 8300  | 5.1435 | -1.7675 | 1.9255 | 54.6288 | 16.7649 | 1.92554 |
| 8400  | 5.1500 | -1.7752 | 1.9368 | 54.8820 | 16.8170 | 1.93686 |
| 8500  | 5.1560 | -1.7826 | 1.9468 | 55.1145 | 16.8502 | 1.94685 |
| 8600  | 5.1615 | -1.7896 | 1.9556 | 55.3287 | 16.8672 | 1.95565 |
| 8700  | 5.1667 | -1.7964 | 1.9634 | 55.5280 | 16.8715 | 1.96347 |
| 8800  | 5.1715 | -1.8029 | 1.9704 | 55.7157 | 16.8664 | 1.97051 |
| 8900  | 5.1761 | -1.8092 | 1.9768 | 55.8941 | 16.8543 | 1.97692 |
| 9000  | 5.1805 | -1.8153 | 1.9827 | 56.0649 | 16.8369 | 1.98280 |
| 9100  | 5.1848 | -1.8213 | 1.9881 | 56.2303 | 16.8163 | 1.98830 |
| 9200  | 5.1889 | -1.8272 | 1.9933 | 56.3915 | 16.7938 | 1.99349 |
| 9300  | 5.1930 | -1.8330 | 1.9982 | 56.5499 | 16.7708 | 1.99847 |
| 9400  | 5.1971 | -1.8387 | 2.0031 | 56.7070 | 16.7488 | 2.00335 |
| 9500  | 5.2012 | -1.8443 | 2.0078 | 56.8638 | 16.7284 | 2.00817 |
| 9600  | 5.2053 | -1.8499 | 2.0126 | 57.0211 | 16.7105 | 2.01299 |
| 9700  | 5.2094 | -1.8554 | 2.0174 | 57.1795 | 16.6959 | 2.01788 |
| 9800  | 5.2136 | -1.8609 | 2.0224 | 57.3401 | 16.6853 | 2.02288 |
| 9900  | 5.2178 | -1.8664 | 2.0274 | 57.5033 | 16.6792 | 2.02804 |
| 10000 | 5.2222 | -1.8719 | 2.0327 | 57.6698 | 16.6781 | 2.03340 |
| 10100 | 5.2266 | -1.8774 | 2.0382 | 57.8402 | 16.6824 | 2.03901 |
| 10200 | 5.2311 | -1.8829 | 2.0440 | 58.0148 | 16.6928 | 2.04488 |
| 10300 | 5.2358 | -1.8885 | 2.0501 | 58.1943 | 16.7093 | 2.05108 |
| 10400 | 5.2406 | -1.8940 | 2.0565 | 58.3790 | 16.7324 | 2.05761 |
| 10500 | 5.2455 | -1.8996 | 2.0632 | 58.5693 | 16.7625 | 2.06450 |
| 10600 | 5.2506 | -1.9052 | 2.0704 | 58.7657 | 16.7998 | 2.07182 |
| 10700 | 5.2559 | -1.9109 | 2.0780 | 58.9685 | 16.8447 | 2.07956 |
| 10800 | 5.2612 | -1.9166 | 2.0860 | 59.1781 | 16.8974 | 2.08776 |
| 10900 | 5.2668 | -1.9224 | 2.0945 | 59.3947 | 16.9580 | 2.09645 |
| 11000 | 5.2725 | -1.9282 | 2.1035 | 59.6188 | 17.0269 | 2.10567 |
| 11100 | 5.2784 | -1.9341 | 2.1130 | 59.8508 | 17.1045 | 2.11542 |
| 11200 | 5.2845 | -1.9400 | 2.1231 | 60.0907 | 17.1906 | 2.12573 |
| 11300 | 5.2908 | -1.9461 | 2.1337 | 60.3389 | 17.2857 | 2.13664 |
| 11400 | 5.2972 | -1.9522 | 2.1450 | 60.5959 | 17.3898 | 2.14817 |
| 11500 | 5.3038 | -1.9584 | 2.1568 | 60.8618 | 17.5035 | 2.16034 |
| 11600 | 5.3106 | -1.9646 | 2.1693 | 61.1368 | 17.6263 | 2.17318 |
| 11700 | 5.3176 | -1.9710 | 2.1825 | 61.4213 | 17.7589 | 2.18670 |
| 11800 | 5.3248 | -1.9774 | 2.1964 | 61.7151 | 17.9010 | 2.20093 |
| 11900 | 5.3321 | -1.9840 | 2.2109 | 62.0189 | 18.0531 | 2.21588 |
| 12000 | 5.3396 | -1.9906 | 2.2262 | 62.3328 | 18.2153 | 2.23160 |
| 12100 | 5.3473 | -1.9973 | 2.2423 | 62.6566 | 18.3872 | 2.24807 |
| 12200 | 5.3552 | -2.0041 | 2.2591 | 62.9908 | 18.5693 | 2.26534 |
| 12300 | 5.3632 | -2.0111 | 2.2766 | 63.3353 | 18.7614 | 2.28339 |
| 12400 | 5.3713 | -2.0181 | 2.2950 | 63.6900 | 18.9636 | 2.30226 |
| 12500 | 5.3797 | -2.0252 | 2.3141 | 64.0553 | 19.1757 | 2.32195 |
| 12600 | 5.3881 | -2.0323 | 2.3341 | 64.4311 | 19.3978 | 2.34248 |
| 12700 | 5.3967 | -2.0396 | 2.3548 | 64.8174 | 19.6299 | 2.36384 |
| 12800 | 5.4054 | -2.0470 | 2.3764 | 65.2137 | 19.8714 | 2.38603 |
| 12900 | 5.4143 | -2.0545 | 2.3988 | 65.6206 | 20.1226 | 2.40908 |
| 13000 | 5.4232 | -2.0620 | 2.4220 | 66.0373 | 20.3829 | 2.43295 |
| 13100 | 5.4322 | -2.0696 | 2.4460 | 66.4634 | 20.6519 | 2.45763 |
| 13200 | 5.4413 | -2.0773 | 2.4708 | 66.8993 | 20.9297 | 2.48314 |
| 13300 | 5.4505 | -2.0850 | 2.4964 | 67.3445 | 21.2158 | 2.50946 |
| 13400 | 5.4597 | -2.0928 | 2.5227 | 67.7982 | 21.5096 | 2.53654 |
| 13500 | 5.4690 | -2.1007 | 2.5498 | 68.2604 | 21.8107 | 2.56439 |
| 13600 | 5.4783 | -2.1086 | 2.5776 | 68.7306 | 22.1187 | 2.59296 |
| 13700 | 5.4876 | -2.1166 | 2.6060 | 69.2077 | 22.4327 | 2.62222 |
| 13800 | 5.4969 | -2.1245 | 2.6351 | 69.6916 | 22.7523 | 2.65213 |
| 13900 | 5.5062 | -2.1325 | 2.6648 | 70.1811 | 23.0763 | 2.68263 |
| 14000 | 5.5156 | -2.1405 | 2.6950 | 70.6831 | 23.4117 | 2.71370 |
| 14100 | 5.5246 | -2.1486 | 2.7258 | 71.1753 | 23.7362 | 2.74529 |
| 14200 | 5.5338 | -2.1566 | 2.7570 | 71.6784 | 24.0703 | 2.77732 |
| 14300 | 5.5428 | -2.1646 | 2.7885 | 72.1840 | 24.4058 | 2.80973 |
| 14400 | 5.5518 | -2.1725 | 2.8204 | 72.6919 | 24.7426 | 2.84250 |
| 14500 | 5.5607 | -2.1805 | 2.8526 | 73.2003 | 25.0787 | 2.87550 |
| 14600 | 5.5694 | -2.1883 | 2.8849 | 73.7063 | 25.4133 | 2.90865 |
| 14700 | 5.5780 | -2.1962 | 2.9174 | 74.2160 | 25.7464 | 2.94198 |
| 14800 | 5.5865 | -2.2039 | 2.9499 | 74.7218 | 26.0765 | 2.97534 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 14900 | 5.5948 | -2.2116 | 2.9824 | 75.2244 | 26.4023 | 3.00863 |
| 15000 | 5.6030 | -2.2192 | 3.0149 | 75.7231 | 26.7234 | 3.04183 |

LOG P= .1

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5263  | .5487   | .9721  | 19.7696 | 3.3596 | 1.00000 |
| 200  | 2.8419  | .2365   | .9975  | 22.2636 | 3.4742 | 1.00000 |
| 300  | 3.0195  | .0592   | .9998  | 23.6884 | 3.4866 | 1.00000 |
| 400  | 3.1453  | -.0660  | 1.0009 | 24.6982 | 3.4936 | 1.00000 |
| 500  | 3.2439  | -.1626  | 1.0004 | 25.4869 | 3.5069 | 1.00000 |
| 600  | 3.3255  | -.2420  | 1.0006 | 26.1476 | 3.5267 | 1.00000 |
| 700  | 3.3956  | -.3089  | 1.0005 | 26.7169 | 3.5521 | 1.00000 |
| 800  | 3.4572  | -.3669  | 1.0005 | 27.2272 | 3.5815 | 1.00000 |
| 900  | 3.5121  | -.4180  | 1.0005 | 27.6867 | 3.6131 | 1.00000 |
| 1000 | 3.5618  | -.4638  | 1.0004 | 28.0974 | 3.6462 | 1.00000 |
| 1100 | 3.6072  | -.5051  | 1.0004 | 28.4803 | 3.6796 | 1.00000 |
| 1200 | 3.6489  | -.5429  | 1.0003 | 28.8373 | 3.7128 | 1.00000 |
| 1300 | 3.6875  | -.5777  | 1.0004 | 29.1673 | 3.7458 | 1.00000 |
| 1400 | 3.7234  | -.6099  | 1.0004 | 29.4769 | 3.7781 | 1.00000 |
| 1500 | 3.7570  | -.6398  | 1.0003 | 29.7771 | 3.8102 | 1.00000 |
| 1500 | 3.7570  | -.6401  | 1.0003 | 29.7748 | 3.8099 | 1.00000 |
| 1600 | 3.7887  | -.6681  | 1.0003 | 30.0537 | 3.8422 | 1.00000 |
| 1700 | 3.8187  | -.6944  | 1.0003 | 30.3195 | 3.8743 | 1.00000 |
| 1800 | 3.8470  | -.7193  | 1.0003 | 30.5739 | 3.9060 | 1.00002 |
| 1900 | 3.8741  | -.7427  | 1.0003 | 30.8186 | 3.9387 | 1.00005 |
| 2000 | 3.9001  | -.7651  | 1.0004 | 31.0550 | 3.9724 | 1.00012 |
| 2100 | 3.9251  | -.7863  | 1.0005 | 31.2849 | 4.0074 | 1.00027 |
| 2200 | 3.9495  | -.8066  | 1.0008 | 31.5102 | 4.0460 | 1.00052 |
| 2300 | 3.9732  | -.8261  | 1.0012 | 31.7330 | 4.0876 | 1.00098 |
| 2400 | 3.9967  | -.8449  | 1.0019 | 31.9558 | 4.1353 | 1.00170 |
| 2500 | 4.0203  | -.8631  | 1.0030 | 32.1817 | 4.1916 | 1.00283 |
| 2600 | 4.0442  | -.8809  | 1.0047 | 32.4137 | 4.2580 | 1.00451 |
| 2700 | 4.0686  | -.8983  | 1.0071 | 32.6553 | 4.3369 | 1.00693 |
| 2800 | 4.0939  | -.9155  | 1.0105 | 32.9103 | 4.4330 | 1.01029 |
| 2900 | 4.1201  | -.9327  | 1.0150 | 33.1818 | 4.5470 | 1.01480 |
| 3000 | 4.1477  | -.9499  | 1.0209 | 33.4754 | 4.6840 | 1.02069 |
| 3100 | 4.1763  | -.9673  | 1.0283 | 33.7877 | 4.8406 | 1.02811 |
| 3200 | 4.2057  | -.9849  | 1.0374 | 34.1218 | 5.0179 | 1.03720 |
| 3300 | 4.2357  | -1.0028 | 1.0481 | 34.4757 | 5.2145 | 1.04793 |
| 3400 | 4.2660  | -1.0208 | 1.0604 | 34.8463 | 5.4267 | 1.06024 |
| 3500 | 4.2958  | -1.0389 | 1.0740 | 35.2266 | 5.6461 | 1.07381 |
| 3600 | 4.3247  | -1.0569 | 1.0884 | 35.6089 | 5.8664 | 1.08823 |
| 3700 | 4.3519  | -1.0747 | 1.1030 | 35.9829 | 6.0764 | 1.10290 |
| 3800 | 4.3770  | -1.0918 | 1.1174 | 36.3398 | 6.2691 | 1.11722 |
| 3900 | 4.3997  | -1.1083 | 1.1308 | 36.6723 | 6.4366 | 1.13068 |
| 4000 | 4.4200  | -1.1240 | 1.1430 | 36.9760 | 6.5751 | 1.14287 |
| 4100 | 4.4379  | -1.1387 | 1.1537 | 37.2504 | 6.6858 | 1.15359 |
| 4200 | 4.4539  | -1.1527 | 1.1630 | 37.4972 | 6.7704 | 1.16285 |
| 4300 | 4.4687  | -1.1658 | 1.1709 | 37.7206 | 6.8342 | 1.17074 |
| 4400 | 4.4811  | -1.1783 | 1.1776 | 37.9255 | 6.8810 | 1.17751 |
| 4500 | 4.4932  | -1.1903 | 1.1835 | 38.1170 | 6.9179 | 1.18342 |
| 4600 | 4.5046  | -1.2017 | 1.1888 | 38.2996 | 6.9478 | 1.18869 |
| 4700 | 4.5157  | -1.2128 | 1.1937 | 38.4777 | 6.9760 | 1.19357 |
| 4800 | 4.5267  | -1.2237 | 1.1984 | 38.6550 | 7.0062 | 1.19827 |
| 4900 | 4.5379  | -1.2344 | 1.2031 | 38.8350 | 7.0416 | 1.20299 |
| 5000 | 4.5498  | -1.2448 | 1.2079 | 39.0276 | 7.0922 | 1.20776 |
| 5100 | 4.5616  | -1.2553 | 1.2131 | 39.2221 | 7.1455 | 1.21303 |
| 5200 | 4.5740  | -1.2658 | 1.2189 | 39.4275 | 7.2116 | 1.21881 |
| 5300 | 4.5872  | -1.2764 | 1.2253 | 39.6463 | 7.2928 | 1.22525 |
| 5400 | 4.6011  | -1.2871 | 1.2326 | 39.8819 | 7.3911 | 1.23252 |
| 5500 | 4.6159  | -1.2979 | 1.2409 | 40.1360 | 7.5088 | 1.24076 |
| 5600 | 4.6317  | -1.3090 | 1.2502 | 40.4114 | 7.6477 | 1.25014 |
| 5700 | 4.6485  | -1.3204 | 1.2609 | 40.7110 | 7.8103 | 1.26080 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 5800  | 4.6664 | -1.3321 | 1.2730 | 41.0362 | 7.9983  | 1.27291 |
| 5900  | 4.6854 | -1.3442 | 1.2867 | 41.3906 | 8.2141  | 1.28665 |
| 6000  | 4.7054 | -1.3567 | 1.3022 | 41.7745 | 8.4577  | 1.30208 |
| 6100  | 4.7264 | -1.3696 | 1.3195 | 42.1905 | 8.7314  | 1.31939 |
| 6200  | 4.7484 | -1.3829 | 1.3387 | 42.6387 | 9.0355  | 1.33866 |
| 6300  | 4.7711 | -1.3968 | 1.3601 | 43.1208 | 9.3705  | 1.35999 |
| 6400  | 4.7945 | -1.4110 | 1.3834 | 43.6354 | 9.7343  | 1.38333 |
| 6500  | 4.8185 | -1.4257 | 1.4089 | 44.1836 | 10.1288 | 1.40885 |
| 6600  | 4.8428 | -1.4407 | 1.4365 | 44.7628 | 10.5502 | 1.43642 |
| 6700  | 4.8672 | -1.4560 | 1.4659 | 45.3680 | 10.9935 | 1.46579 |
| 6800  | 4.8916 | -1.4716 | 1.4971 | 45.9992 | 11.4581 | 1.49698 |
| 6900  | 4.9156 | -1.4873 | 1.5295 | 46.6460 | 11.9342 | 1.52947 |
| 7000  | 4.9392 | -1.5030 | 1.5632 | 47.3069 | 12.4197 | 1.56317 |
| 7100  | 4.9619 | -1.5185 | 1.5974 | 47.9691 | 12.9026 | 1.59736 |
| 7200  | 4.9837 | -1.5338 | 1.6318 | 48.6275 | 13.3773 | 1.63171 |
| 7300  | 5.0043 | -1.5488 | 1.6656 | 49.2712 | 13.8334 | 1.66557 |
| 7400  | 5.0236 | -1.5632 | 1.6988 | 49.8976 | 14.2684 | 1.69873 |
| 7500  | 5.0415 | -1.5771 | 1.7305 | 50.4945 | 14.6711 | 1.73046 |
| 7600  | 5.0580 | -1.5903 | 1.7605 | 51.0589 | 15.0388 | 1.76049 |
| 7700  | 5.0731 | -1.6028 | 1.7885 | 51.5845 | 15.3658 | 1.78840 |
| 7800  | 5.0867 | -1.6146 | 1.8142 | 52.0715 | 15.6526 | 1.81414 |
| 7900  | 5.0990 | -1.6257 | 1.8376 | 52.5190 | 15.8992 | 1.83759 |
| 8000  | 5.1101 | -1.6362 | 1.8588 | 52.9277 | 16.1067 | 1.85875 |
| 8100  | 5.1200 | -1.6460 | 1.8776 | 53.2983 | 16.2760 | 1.87760 |
| 8200  | 5.1290 | -1.6551 | 1.8944 | 53.6348 | 16.4121 | 1.89437 |
| 8300  | 5.1370 | -1.6638 | 1.9092 | 53.9395 | 16.5173 | 1.90916 |
| 8400  | 5.1443 | -1.6719 | 1.9222 | 54.2171 | 16.5965 | 1.92222 |
| 8500  | 5.1509 | -1.6797 | 1.9338 | 54.4709 | 16.6536 | 1.93377 |
| 8600  | 5.1570 | -1.6870 | 1.9439 | 54.7035 | 16.6911 | 1.94394 |
| 8700  | 5.1626 | -1.6941 | 1.9529 | 54.9183 | 16.7127 | 1.95293 |
| 8800  | 5.1678 | -1.7008 | 1.9609 | 55.1188 | 16.7222 | 1.96099 |
| 8900  | 5.1727 | -1.7073 | 1.9681 | 55.3075 | 16.7219 | 1.96824 |
| 9000  | 5.1773 | -1.7136 | 1.9747 | 55.4863 | 16.7139 | 1.97482 |
| 9100  | 5.1818 | -1.7197 | 1.9807 | 55.6576 | 16.7006 | 1.98088 |
| 9200  | 5.1861 | -1.7257 | 1.9863 | 55.8228 | 16.6834 | 1.98650 |
| 9300  | 5.1903 | -1.7315 | 1.9916 | 55.9835 | 16.6639 | 1.99180 |
| 9400  | 5.1944 | -1.7373 | 1.9966 | 56.1414 | 16.6436 | 1.99689 |
| 9500  | 5.1985 | -1.7429 | 2.0015 | 56.2976 | 16.6237 | 2.00183 |
| 9600  | 5.2025 | -1.7485 | 2.0063 | 56.4528 | 16.6050 | 2.00669 |
| 9700  | 5.2066 | -1.7541 | 2.0111 | 56.6081 | 16.5883 | 2.01154 |
| 9800  | 5.2107 | -1.7596 | 2.0159 | 56.7643 | 16.5744 | 2.01642 |
| 9900  | 5.2148 | -1.7650 | 2.0208 | 56.9221 | 16.5640 | 2.02138 |
| 10000 | 5.2190 | -1.7705 | 2.0258 | 57.0821 | 16.5576 | 2.02648 |
| 10100 | 5.2233 | -1.7759 | 2.0310 | 57.2450 | 16.5557 | 2.03176 |
| 10200 | 5.2276 | -1.7813 | 2.0364 | 57.4112 | 16.5588 | 2.03725 |
| 10300 | 5.2321 | -1.7868 | 2.0420 | 57.5812 | 16.5672 | 2.04298 |
| 10400 | 5.2367 | -1.7922 | 2.0479 | 57.7555 | 16.5815 | 2.04900 |
| 10500 | 5.2413 | -1.7977 | 2.0541 | 57.9346 | 16.6017 | 2.05533 |
| 10600 | 5.2462 | -1.8032 | 2.0607 | 58.1187 | 16.6284 | 2.06200 |
| 10700 | 5.2511 | -1.8087 | 2.0675 | 58.3083 | 16.6617 | 2.06904 |
| 10800 | 5.2562 | -1.8143 | 2.0748 | 58.5038 | 16.7020 | 2.07649 |
| 10900 | 5.2614 | -1.8199 | 2.0825 | 58.7053 | 16.7494 | 2.08436 |
| 11000 | 5.2668 | -1.8255 | 2.0906 | 58.9134 | 16.8043 | 2.09268 |
| 11100 | 5.2724 | -1.8312 | 2.0992 | 59.1283 | 16.8668 | 2.10148 |
| 11200 | 5.2781 | -1.8370 | 2.1083 | 59.3503 | 16.9373 | 2.11078 |
| 11300 | 5.2839 | -1.8428 | 2.1178 | 59.5796 | 17.0157 | 2.12059 |
| 11400 | 5.2900 | -1.8487 | 2.1279 | 59.8165 | 17.1024 | 2.13097 |
| 11500 | 5.2962 | -1.8547 | 2.1386 | 60.0615 | 17.1976 | 2.14192 |
| 11600 | 5.3025 | -1.8607 | 2.1498 | 60.3145 | 17.3012 | 2.15346 |
| 11700 | 5.3091 | -1.8668 | 2.1616 | 60.5760 | 17.4138 | 2.16562 |
| 11800 | 5.3158 | -1.8730 | 2.1741 | 60.8459 | 17.5350 | 2.17842 |
| 11900 | 5.3227 | -1.8793 | 2.1872 | 61.1248 | 17.6655 | 2.19187 |
| 12000 | 5.3297 | -1.8856 | 2.2009 | 61.4128 | 17.8050 | 2.20601 |
| 12100 | 5.3369 | -1.8921 | 2.2153 | 61.7097 | 17.9536 | 2.22084 |
| 12200 | 5.3443 | -1.8986 | 2.2304 | 62.0161 | 18.1116 | 2.23639 |
| 12300 | 5.3519 | -1.9052 | 2.2462 | 62.3319 | 18.2788 | 2.25266 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 12400 | 5.3595 | -1.9119 | 2.2627 | 62.6571 | 18.4554 | 2.26968 |
| 12500 | 5.3674 | -1.9187 | 2.2800 | 62.9920 | 18.6413 | 2.28746 |
| 12600 | 5.3754 | -1.9256 | 2.2979 | 63.3365 | 18.8365 | 2.30599 |
| 12700 | 5.3835 | -1.9325 | 2.3167 | 63.6909 | 19.0412 | 2.32532 |
| 12800 | 5.3918 | -1.9396 | 2.3362 | 64.0548 | 19.2549 | 2.34542 |
| 12900 | 5.4001 | -1.9467 | 2.3564 | 64.4284 | 19.4778 | 2.36632 |
| 13000 | 5.4086 | -1.9539 | 2.3775 | 64.8114 | 19.7095 | 2.38800 |
| 13100 | 5.4172 | -1.9612 | 2.3992 | 65.2036 | 19.9498 | 2.41045 |
| 13200 | 5.4259 | -1.9686 | 2.4218 | 65.6052 | 20.1988 | 2.43371 |
| 13300 | 5.4347 | -1.9760 | 2.4451 | 66.0158 | 20.4559 | 2.45774 |
| 13400 | 5.4435 | -1.9835 | 2.4691 | 66.4351 | 20.7211 | 2.48252 |
| 13500 | 5.4524 | -1.9911 | 2.4939 | 66.8629 | 20.9938 | 2.50807 |
| 13600 | 5.4614 | -1.9987 | 2.5194 | 67.2989 | 21.2738 | 2.53435 |
| 13700 | 5.4704 | -2.0064 | 2.5455 | 67.7424 | 21.5603 | 2.56133 |
| 13800 | 5.4794 | -2.0141 | 2.5724 | 68.1933 | 21.8533 | 2.58900 |
| 13900 | 5.4884 | -2.0218 | 2.5998 | 68.6505 | 22.1518 | 2.61731 |
| 14000 | 5.4976 | -2.0296 | 2.6279 | 69.1207 | 22.4620 | 2.64624 |
| 14100 | 5.5065 | -2.0374 | 2.6566 | 69.5834 | 22.7639 | 2.67576 |
| 14200 | 5.5155 | -2.0452 | 2.6857 | 70.0577 | 23.0761 | 2.70581 |
| 14300 | 5.5244 | -2.0530 | 2.7154 | 70.5358 | 23.3911 | 2.73633 |
| 14400 | 5.5333 | -2.0608 | 2.7455 | 71.0180 | 23.7092 | 2.76732 |
| 14500 | 5.5421 | -2.0686 | 2.7759 | 71.5025 | 24.0284 | 2.79866 |
| 14600 | 5.5508 | -2.0764 | 2.8067 | 71.9883 | 24.3481 | 2.83029 |
| 14700 | 5.5595 | -2.0841 | 2.8377 | 72.4760 | 24.6684 | 2.86223 |
| 14800 | 5.5680 | -2.0918 | 2.8690 | 72.9638 | 24.9879 | 2.89436 |
| 14900 | 5.5764 | -2.0995 | 2.9003 | 73.4506 | 25.3053 | 2.92659 |
| 15000 | 5.5847 | -2.1071 | 2.9318 | 73.9359 | 25.6203 | 2.95888 |

LOG P= .2

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5239  | .6520   | .9649  | 19.5283 | 3.3413 | 1.00000 |
| 200  | 2.8415  | .3368   | .9967  | 22.0314 | 3.4715 | 1.00000 |
| 300  | 3.0194  | .1592   | .9998  | 23.4573 | 3.4858 | 1.00000 |
| 400  | 3.1453  | .0339   | 1.0009 | 24.4676 | 3.4933 | 1.00000 |
| 500  | 3.2439  | -.0626  | 1.0006 | 25.2540 | 3.5068 | 1.00000 |
| 600  | 3.3255  | -.1420  | 1.0007 | 25.9152 | 3.5267 | 1.00000 |
| 700  | 3.3956  | -.2090  | 1.0007 | 26.4848 | 3.5521 | 1.00000 |
| 800  | 3.4572  | -.2669  | 1.0007 | 26.9949 | 3.5815 | 1.00000 |
| 900  | 3.5121  | -.3181  | 1.0006 | 27.4547 | 3.6131 | 1.00000 |
| 1000 | 3.5618  | -.3638  | 1.0005 | 27.8652 | 3.6462 | 1.00000 |
| 1100 | 3.6072  | -.4052  | 1.0005 | 28.2518 | 3.6796 | 1.00000 |
| 1200 | 3.6489  | -.4430  | 1.0004 | 28.6048 | 3.7129 | 1.00000 |
| 1300 | 3.6875  | -.4777  | 1.0005 | 28.9349 | 3.7459 | 1.00000 |
| 1400 | 3.7234  | -.5099  | 1.0004 | 29.2446 | 3.7781 | 1.00000 |
| 1500 | 3.7570  | -.5398  | 1.0004 | 29.5450 | 3.8102 | 1.00000 |
| 1500 | 3.7570  | -.5401  | 1.0004 | 29.5445 | 3.8099 | 1.00000 |
| 1600 | 3.7887  | -.5681  | 1.0004 | 29.8235 | 3.8423 | 1.00000 |
| 1700 | 3.8187  | -.5945  | 1.0004 | 30.0892 | 3.8744 | 1.00000 |
| 1800 | 3.8470  | -.6193  | 1.0004 | 30.3436 | 3.9060 | 1.00001 |
| 1900 | 3.8741  | -.6428  | 1.0004 | 30.5881 | 3.9385 | 1.00004 |
| 2000 | 3.9000  | -.6651  | 1.0004 | 30.8243 | 3.9720 | 1.00011 |
| 2100 | 3.9250  | -.6863  | 1.0005 | 31.0538 | 4.0065 | 1.00023 |
| 2200 | 3.9493  | -.7066  | 1.0008 | 31.2782 | 4.0444 | 1.00046 |
| 2300 | 3.9729  | -.7261  | 1.0011 | 31.4997 | 4.0848 | 1.00087 |
| 2400 | 3.9962  | -.7448  | 1.0018 | 31.7205 | 4.1306 | 1.00151 |
| 2500 | 4.0196  | -.7630  | 1.0028 | 31.9433 | 4.1842 | 1.00252 |
| 2600 | 4.0430  | -.7807  | 1.0043 | 32.1710 | 4.2466 | 1.00402 |
| 2700 | 4.0669  | -.7980  | 1.0064 | 32.4067 | 4.3202 | 1.00619 |
| 2800 | 4.0915  | -.8151  | 1.0094 | 32.6540 | 4.4092 | 1.00918 |
| 2900 | 4.1170  | -.8321  | 1.0135 | 32.9156 | 4.5144 | 1.01323 |
| 3000 | 4.1437  | -.8490  | 1.0187 | 33.1971 | 4.6406 | 1.01853 |
| 3100 | 4.1712  | -.8661  | 1.0254 | 33.4953 | 4.7847 | 1.02523 |
| 3200 | 4.1996  | -.8834  | 1.0337 | 33.8136 | 4.9482 | 1.03348 |

|      |        |         |        |         |         |         |
|------|--------|---------|--------|---------|---------|---------|
| 3300 | 4.2287 | -.9009  | 1.0435 | 34.1508 | 5.1304  | 1.04329 |
| 3400 | 4.2581 | -.9185  | 1.0548 | 34.5047 | 5.3287  | 1.05465 |
| 3500 | 4.2873 | -.9363  | 1.0675 | 34.8700 | 5.5361  | 1.06732 |
| 3600 | 4.3158 | -.9541  | 1.0812 | 35.2404 | 5.7478  | 1.08099 |
| 3700 | 4.3430 | -.9716  | 1.0953 | 35.6069 | 5.9535  | 1.09515 |
| 3800 | 4.3685 | -.9887  | 1.1094 | 35.9612 | 6.1470  | 1.10925 |
| 3900 | 4.3918 | -1.0053 | 1.1230 | 36.2961 | 6.3198  | 1.12282 |
| 4000 | 4.4128 | -1.0211 | 1.1355 | 36.6058 | 6.4673  | 1.13537 |
| 4100 | 4.4316 | -1.0361 | 1.1468 | 36.8886 | 6.5888  | 1.14663 |
| 4200 | 4.4483 | -1.0503 | 1.1567 | 37.1444 | 6.6846  | 1.15652 |
| 4300 | 4.4633 | -1.0637 | 1.1652 | 37.3763 | 6.7588  | 1.16506 |
| 4400 | 4.4769 | -1.0765 | 1.1726 | 37.5883 | 6.8144  | 1.17242 |
| 4500 | 4.4894 | -1.0886 | 1.1790 | 37.7853 | 6.8582  | 1.17883 |
| 4600 | 4.5012 | -1.1002 | 1.1846 | 37.9712 | 6.8928  | 1.18450 |
| 4700 | 4.5124 | -1.1114 | 1.1898 | 38.1507 | 6.9234  | 1.18966 |
| 4800 | 4.5235 | -1.1223 | 1.1947 | 38.3273 | 6.9540  | 1.19454 |
| 4900 | 4.5345 | -1.1330 | 1.1994 | 38.5046 | 6.9878  | 1.19932 |
| 5000 | 4.5462 | -1.1435 | 1.2042 | 38.6924 | 7.0346  | 1.20402 |
| 5100 | 4.5578 | -1.1539 | 1.2092 | 38.8801 | 7.0824  | 1.20912 |
| 5200 | 4.5698 | -1.1643 | 1.2147 | 39.0766 | 7.1409  | 1.21463 |
| 5300 | 4.5824 | -1.1748 | 1.2208 | 39.2842 | 7.2123  | 1.22066 |
| 5400 | 4.5956 | -1.1853 | 1.2275 | 39.5063 | 7.2987  | 1.22740 |
| 5500 | 4.6097 | -1.1959 | 1.2351 | 39.7444 | 7.4023  | 1.23498 |
| 5600 | 4.6247 | -1.2068 | 1.2437 | 40.0012 | 7.5247  | 1.24356 |
| 5700 | 4.6406 | -1.2178 | 1.2534 | 40.2795 | 7.6682  | 1.25326 |
| 5800 | 4.6574 | -1.2292 | 1.2644 | 40.5804 | 7.8345  | 1.26425 |
| 5900 | 4.6754 | -1.2408 | 1.2768 | 40.9075 | 8.0261  | 1.27670 |
| 6000 | 4.6942 | -1.2529 | 1.2908 | 41.2612 | 8.2429  | 1.29067 |
| 6100 | 4.7141 | -1.2653 | 1.3064 | 41.6440 | 8.4873  | 1.30634 |
| 6200 | 4.7349 | -1.2781 | 1.3239 | 42.0564 | 8.7597  | 1.32381 |
| 6300 | 4.7565 | -1.2914 | 1.3433 | 42.5002 | 9.0612  | 1.34319 |
| 6400 | 4.7789 | -1.3050 | 1.3646 | 42.9748 | 9.3901  | 1.36445 |
| 6500 | 4.8019 | -1.3191 | 1.3879 | 43.4814 | 9.7485  | 1.38778 |
| 6600 | 4.8253 | -1.3336 | 1.4132 | 44.0186 | 10.1342 | 1.41311 |
| 6700 | 4.8490 | -1.3484 | 1.4403 | 44.5826 | 10.5428 | 1.44026 |
| 6800 | 4.8729 | -1.3635 | 1.4694 | 45.1743 | 10.9748 | 1.46929 |
| 6900 | 4.8966 | -1.3788 | 1.4999 | 45.7851 | 11.4223 | 1.49981 |
| 7000 | 4.9201 | -1.3942 | 1.5319 | 46.4149 | 11.8842 | 1.53178 |
| 7100 | 4.9429 | -1.4095 | 1.5647 | 47.0523 | 12.3501 | 1.56461 |
| 7200 | 4.9651 | -1.4248 | 1.5981 | 47.6933 | 12.8150 | 1.59801 |
| 7300 | 4.9862 | -1.4398 | 1.6315 | 48.3279 | 13.2697 | 1.63141 |
| 7400 | 5.0063 | -1.4544 | 1.6647 | 48.9536 | 13.7116 | 1.66462 |
| 7500 | 5.0252 | -1.4686 | 1.6970 | 49.5580 | 14.1290 | 1.69689 |
| 7600 | 5.0427 | -1.4822 | 1.7280 | 50.1373 | 14.5187 | 1.72795 |
| 7700 | 5.0589 | -1.4952 | 1.7574 | 50.6841 | 14.8735 | 1.75729 |
| 7800 | 5.0737 | -1.5076 | 1.7848 | 51.1973 | 15.1927 | 1.78478 |
| 7900 | 5.0873 | -1.5192 | 1.8103 | 51.6744 | 15.4746 | 1.81022 |
| 8000 | 5.0995 | -1.5302 | 1.8336 | 52.1146 | 15.7186 | 1.83352 |
| 8100 | 5.1105 | -1.5406 | 1.8546 | 52.5167 | 15.9242 | 1.85453 |
| 8200 | 5.1205 | -1.5503 | 1.8735 | 52.8841 | 16.0952 | 1.87344 |
| 8300 | 5.1295 | -1.5595 | 1.8903 | 53.2179 | 16.2330 | 1.89026 |
| 8400 | 5.1376 | -1.5681 | 1.9053 | 53.5222 | 16.3423 | 1.90523 |
| 8500 | 5.1450 | -1.5762 | 1.9185 | 53.8003 | 16.4264 | 1.91852 |
| 8600 | 5.1517 | -1.5840 | 1.9302 | 54.0541 | 16.4877 | 1.93026 |
| 8700 | 5.1578 | -1.5913 | 1.9406 | 54.2873 | 16.5300 | 1.94064 |
| 8800 | 5.1635 | -1.5983 | 1.9499 | 54.5035 | 16.5571 | 1.94990 |
| 8900 | 5.1688 | -1.6051 | 1.9581 | 54.7053 | 16.5717 | 1.95819 |
| 9000 | 5.1737 | -1.6116 | 1.9655 | 54.8947 | 16.5759 | 1.96565 |
| 9100 | 5.1784 | -1.6179 | 1.9723 | 55.0745 | 16.5726 | 1.97244 |
| 9200 | 5.1829 | -1.6240 | 1.9785 | 55.2461 | 16.5632 | 1.97867 |
| 9300 | 5.1873 | -1.6299 | 1.9842 | 55.4114 | 16.5495 | 1.98443 |
| 9400 | 5.1915 | -1.6358 | 1.9896 | 55.5721 | 16.5333 | 1.98988 |
| 9500 | 5.1956 | -1.6415 | 1.9948 | 55.7296 | 16.5159 | 1.99509 |
| 9600 | 5.1997 | -1.6471 | 1.9998 | 55.8848 | 16.4982 | 2.00010 |
| 9700 | 5.2038 | -1.6527 | 2.0046 | 56.0386 | 16.4812 | 2.00502 |
| 9800 | 5.2078 | -1.6582 | 2.0094 | 56.1922 | 16.4658 | 2.00989 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 9900  | 5.2119 | -1.6636 | 2.0142 | 56.3463 | 16.4527 | 2.01477 |
| 10000 | 5.2160 | -1.6690 | 2.0191 | 56.5014 | 16.4426 | 2.01971 |
| 10100 | 5.2201 | -1.6744 | 2.0241 | 56.6584 | 16.4360 | 2.02476 |
| 10200 | 5.2243 | -1.6798 | 2.0292 | 56.8178 | 16.4335 | 2.02996 |
| 10300 | 5.2286 | -1.6851 | 2.0345 | 56.9801 | 16.4354 | 2.03534 |
| 10400 | 5.2330 | -1.6905 | 2.0399 | 57.1457 | 16.4422 | 2.04095 |
| 10500 | 5.2375 | -1.6959 | 2.0457 | 57.3151 | 16.4542 | 2.04680 |
| 10600 | 5.2421 | -1.7013 | 2.0517 | 57.4887 | 16.4718 | 2.05294 |
| 10700 | 5.2467 | -1.7067 | 2.0580 | 57.6669 | 16.4952 | 2.05939 |
| 10800 | 5.2516 | -1.7121 | 2.0646 | 57.8500 | 16.5249 | 2.06618 |
| 10900 | 5.2565 | -1.7176 | 2.0716 | 58.0383 | 16.5607 | 2.07334 |
| 11000 | 5.2616 | -1.7231 | 2.0789 | 58.2323 | 16.6032 | 2.08088 |
| 11100 | 5.2668 | -1.7286 | 2.0867 | 58.4322 | 16.6527 | 2.08885 |
| 11200 | 5.2722 | -1.7342 | 2.0949 | 58.6383 | 16.7092 | 2.09725 |
| 11300 | 5.2777 | -1.7399 | 2.1035 | 58.8507 | 16.7728 | 2.10611 |
| 11400 | 5.2834 | -1.7456 | 2.1126 | 59.0699 | 16.8439 | 2.11547 |
| 11500 | 5.2892 | -1.7513 | 2.1222 | 59.2963 | 16.9228 | 2.12533 |
| 11600 | 5.2952 | -1.7572 | 2.1323 | 59.5296 | 17.0093 | 2.13572 |
| 11700 | 5.3013 | -1.7630 | 2.1429 | 59.7706 | 17.1039 | 2.14666 |
| 11800 | 5.3076 | -1.7690 | 2.1540 | 60.0191 | 17.2064 | 2.15818 |
| 11900 | 5.3140 | -1.7750 | 2.1658 | 60.2756 | 17.3172 | 2.17028 |
| 12000 | 5.3206 | -1.7811 | 2.1781 | 60.5402 | 17.4365 | 2.18301 |
| 12100 | 5.3274 | -1.7873 | 2.1911 | 60.8130 | 17.5640 | 2.19636 |
| 12200 | 5.3343 | -1.7936 | 2.2046 | 61.0943 | 17.7001 | 2.21036 |
| 12300 | 5.3414 | -1.7999 | 2.2188 | 61.3840 | 17.8447 | 2.22501 |
| 12400 | 5.3487 | -1.8063 | 2.2337 | 61.6823 | 17.9980 | 2.24034 |
| 12500 | 5.3560 | -1.8128 | 2.2492 | 61.9894 | 18.1600 | 2.25637 |
| 12600 | 5.3636 | -1.8194 | 2.2654 | 62.3054 | 18.3306 | 2.27309 |
| 12700 | 5.3712 | -1.8260 | 2.2823 | 62.6304 | 18.5100 | 2.29055 |
| 12800 | 5.3790 | -1.8328 | 2.2999 | 62.9643 | 18.6980 | 2.30872 |
| 12900 | 5.3869 | -1.8396 | 2.3182 | 63.3073 | 18.8948 | 2.32764 |
| 13000 | 5.3950 | -1.8465 | 2.3372 | 63.6590 | 19.0998 | 2.34728 |
| 13100 | 5.4031 | -1.8535 | 2.3569 | 64.0194 | 19.3131 | 2.36765 |
| 13200 | 5.4114 | -1.8605 | 2.3773 | 64.3889 | 19.5349 | 2.38879 |
| 13300 | 5.4197 | -1.8676 | 2.3984 | 64.7669 | 19.7647 | 2.41066 |
| 13400 | 5.4282 | -1.8748 | 2.4203 | 65.1535 | 20.0023 | 2.43327 |
| 13500 | 5.4367 | -1.8821 | 2.4429 | 65.5485 | 20.2476 | 2.45660 |
| 13600 | 5.4453 | -1.8894 | 2.4662 | 65.9516 | 20.5004 | 2.48067 |
| 13700 | 5.4539 | -1.8968 | 2.4901 | 66.3621 | 20.7598 | 2.50542 |
| 13800 | 5.4626 | -1.9042 | 2.5147 | 66.7804 | 21.0261 | 2.53087 |
| 13900 | 5.4714 | -1.9117 | 2.5400 | 67.2055 | 21.2984 | 2.55698 |
| 14000 | 5.4802 | -1.9192 | 2.5658 | 67.6432 | 21.5824 | 2.58373 |
| 14100 | 5.4889 | -1.9268 | 2.5923 | 68.0755 | 21.8602 | 2.61109 |
| 14200 | 5.4976 | -1.9343 | 2.6194 | 68.5194 | 22.1486 | 2.63905 |
| 14300 | 5.5064 | -1.9419 | 2.6470 | 68.9683 | 22.4410 | 2.66754 |
| 14400 | 5.5151 | -1.9496 | 2.6751 | 69.4223 | 22.7376 | 2.69657 |
| 14500 | 5.5238 | -1.9572 | 2.7036 | 69.8799 | 23.0367 | 2.72603 |
| 14600 | 5.5324 | -1.9648 | 2.7325 | 70.3404 | 23.3380 | 2.75589 |
| 14700 | 5.5410 | -1.9724 | 2.7618 | 70.8042 | 23.6414 | 2.78616 |
| 14800 | 5.5495 | -1.9800 | 2.7915 | 71.2699 | 23.9459 | 2.81675 |
| 14900 | 5.5579 | -1.9875 | 2.8214 | 71.7365 | 24.2503 | 2.84757 |
| 15000 | 5.5662 | -1.9950 | 2.8515 | 72.2035 | 24.5541 | 2.87860 |

LOG P= .3

| T   | LOG H/R | LOG RHC | Z      | S/R     | H/RT   | Z*      |
|-----|---------|---------|--------|---------|--------|---------|
| 100 | 2.5215  | .7557   | .9565  | 19.2873 | 3.3231 | 1.00000 |
| 200 | 2.8411  | .4372   | .9957  | 21.7988 | 3.4683 | 1.00000 |
| 300 | 3.0193  | .2593   | .9998  | 23.2258 | 3.4848 | 1.00000 |
| 400 | 3.1453  | .1339   | 1.0010 | 24.2367 | 3.4929 | 1.00000 |
| 500 | 3.2439  | .0374   | 1.0008 | 25.0236 | 3.5066 | 1.00000 |
| 600 | 3.3255  | -.0421  | 1.0008 | 25.6839 | 3.5266 | 1.00000 |
| 700 | 3.3956  | -.1091  | 1.0009 | 26.2544 | 3.5521 | 1.00000 |
| 800 | 3.4572  | -.1670  | 1.0009 | 26.7621 | 3.5816 | 1.00000 |
| 900 | 3.5121  | -.2181  | 1.0007 | 27.2222 | 3.6132 | 1.00000 |

|      |        |         |        |         |         |         |
|------|--------|---------|--------|---------|---------|---------|
| 1000 | 3.5619 | -.2639  | 1.0007 | 27.6341 | 3.6463  | 1.00000 |
| 1100 | 3.6072 | -.3052  | 1.0006 | 28.0235 | 3.6797  | 1.00000 |
| 1200 | 3.6489 | -.3430  | 1.0006 | 28.3742 | 3.7129  | 1.00000 |
| 1300 | 3.6875 | -.3778  | 1.0006 | 28.7021 | 3.7459  | 1.00000 |
| 1400 | 3.7234 | -.4099  | 1.0005 | 29.0130 | 3.7782  | 1.00000 |
| 1500 | 3.7570 | -.4399  | 1.0005 | 29.3120 | 3.8103  | 1.00000 |
| 1500 | 3.7570 | -.4402  | 1.0005 | 29.3142 | 3.8100  | .99999  |
| 1600 | 3.7887 | -.4682  | 1.0005 | 29.5932 | 3.8424  | .99999  |
| 1700 | 3.8187 | -.4945  | 1.0005 | 29.8589 | 3.8744  | 1.00000 |
| 1800 | 3.8470 | -.5193  | 1.0004 | 30.1132 | 3.9059  | 1.00001 |
| 1900 | 3.8741 | -.5428  | 1.0005 | 30.3577 | 3.9384  | 1.00004 |
| 2000 | 3.9000 | -.5651  | 1.0005 | 30.5936 | 3.9717  | 1.00009 |
| 2100 | 3.9249 | -.5863  | 1.0006 | 30.8227 | 4.0058  | 1.00021 |
| 2200 | 3.9491 | -.6066  | 1.0008 | 31.0464 | 4.0430  | 1.00041 |
| 2300 | 3.9726 | -.6261  | 1.0011 | 31.2667 | 4.0823  | 1.00077 |
| 2400 | 3.9958 | -.6448  | 1.0017 | 31.4857 | 4.1265  | 1.00135 |
| 2500 | 4.0189 | -.6629  | 1.0026 | 31.7058 | 4.1775  | 1.00224 |
| 2600 | 4.0420 | -.6805  | 1.0039 | 31.9297 | 4.2364  | 1.00359 |
| 2700 | 4.0654 | -.6977  | 1.0058 | 32.1601 | 4.3052  | 1.00552 |
| 2800 | 4.0894 | -.7147  | 1.0085 | 32.4004 | 4.3879  | 1.00820 |
| 2900 | 4.1142 | -.7315  | 1.0121 | 32.6531 | 4.4851  | 1.01183 |
| 3000 | 4.1400 | -.7482  | 1.0169 | 32.9237 | 4.6015  | 1.01658 |
| 3100 | 4.1666 | -.7650  | 1.0229 | 33.2090 | 4.7341  | 1.02263 |
| 3200 | 4.1940 | -.7820  | 1.0303 | 33.5125 | 4.8847  | 1.03009 |
| 3300 | 4.2221 | -.7991  | 1.0393 | 33.8339 | 5.0532  | 1.03904 |
| 3400 | 4.2506 | -.8164  | 1.0497 | 34.1717 | 5.2379  | 1.04947 |
| 3500 | 4.2791 | -.8338  | 1.0615 | 34.5218 | 5.4329  | 1.06124 |
| 3600 | 4.3072 | -.8513  | 1.0743 | 34.8793 | 5.6348  | 1.07411 |
| 3700 | 4.3342 | -.8686  | 1.0879 | 35.2364 | 5.8343  | 1.08764 |
| 3800 | 4.3598 | -.8857  | 1.1016 | 35.5858 | 6.0261  | 1.10140 |
| 3900 | 4.3836 | -.9022  | 1.1151 | 35.9203 | 6.2017  | 1.11488 |
| 4000 | 4.4052 | -.9182  | 1.1278 | 36.2338 | 6.3558  | 1.12763 |
| 4100 | 4.4248 | -.9334  | 1.1395 | 36.5231 | 6.4866  | 1.13931 |
| 4200 | 4.4423 | -.9478  | 1.1499 | 36.7871 | 6.5928  | 1.14976 |
| 4300 | 4.4581 | -.9614  | 1.1591 | 37.0273 | 6.6773  | 1.15890 |
| 4400 | 4.4723 | -.9744  | 1.1670 | 37.2468 | 6.7422  | 1.16687 |
| 4500 | 4.4853 | -.9867  | 1.1740 | 37.4498 | 6.7935  | 1.17381 |
| 4600 | 4.4974 | -.9985  | 1.1801 | 37.6401 | 6.8338  | 1.17993 |
| 4700 | 4.5089 | -1.0099 | 1.1856 | 37.8218 | 6.8681  | 1.18544 |
| 4800 | 4.5201 | -1.0209 | 1.1907 | 37.9989 | 6.9002  | 1.19055 |
| 4900 | 4.5312 | -1.0316 | 1.1956 | 38.1746 | 6.9335  | 1.19545 |
| 5000 | 4.5427 | -1.0421 | 1.2003 | 38.3589 | 6.9780  | 1.20016 |
| 5100 | 4.5540 | -1.0525 | 1.2053 | 38.5412 | 7.0214  | 1.20517 |
| 5200 | 4.5657 | -1.0629 | 1.2106 | 38.7302 | 7.0737  | 1.21047 |
| 5300 | 4.5778 | -1.0732 | 1.2163 | 38.9283 | 7.1369  | 1.21619 |
| 5400 | 4.5905 | -1.0836 | 1.2226 | 39.1387 | 7.2131  | 1.22250 |
| 5500 | 4.6040 | -1.0940 | 1.2297 | 39.3627 | 7.3044  | 1.22951 |
| 5600 | 4.6181 | -1.1046 | 1.2375 | 39.6031 | 7.4122  | 1.23738 |
| 5700 | 4.6332 | -1.1154 | 1.2464 | 39.8624 | 7.5389  | 1.24625 |
| 5800 | 4.6491 | -1.1264 | 1.2564 | 40.1416 | 7.6860  | 1.25625 |
| 5900 | 4.6660 | -1.1377 | 1.2677 | 40.4442 | 7.8557  | 1.26755 |
| 6000 | 4.6839 | -1.1493 | 1.2803 | 40.7707 | 8.0483  | 1.28021 |
| 6100 | 4.7026 | -1.1613 | 1.2945 | 41.1234 | 8.2660  | 1.29440 |
| 6200 | 4.7223 | -1.1736 | 1.3104 | 41.5030 | 8.5096  | 1.31023 |
| 6300 | 4.7428 | -1.1864 | 1.3279 | 41.9115 | 8.7800  | 1.32782 |
| 6400 | 4.7641 | -1.1995 | 1.3473 | 42.3487 | 9.0761  | 1.34714 |
| 6500 | 4.7861 | -1.2130 | 1.3685 | 42.8162 | 9.4006  | 1.36841 |
| 6600 | 4.8086 | -1.2270 | 1.3917 | 43.3131 | 9.7515  | 1.39160 |
| 6700 | 4.8315 | -1.2412 | 1.4167 | 43.8367 | 10.1258 | 1.41656 |
| 6800 | 4.8547 | -1.2558 | 1.4436 | 44.3889 | 10.5246 | 1.44344 |
| 6900 | 4.8779 | -1.2706 | 1.4720 | 44.9622 | 10.9414 | 1.47189 |
| 7000 | 4.9011 | -1.2856 | 1.5021 | 45.5577 | 11.3761 | 1.50196 |
| 7100 | 4.9239 | -1.3007 | 1.5332 | 46.1654 | 11.8197 | 1.53313 |
| 7200 | 4.9461 | -1.3158 | 1.5653 | 46.7827 | 12.2684 | 1.56521 |
| 7300 | 4.9676 | -1.3307 | 1.5978 | 47.4004 | 12.7140 | 1.59768 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 7400  | 4.9883 | -1.3454 | 1.6305 | 48.0170 | 13.1543 | 1.63043 |
| 7500  | 5.0079 | -1.3598 | 1.6628 | 48.6203 | 13.5781 | 1.66272 |
| 7600  | 5.0264 | -1.3737 | 1.6944 | 49.2063 | 13.9817 | 1.69429 |
| 7700  | 5.0436 | -1.3871 | 1.7247 | 49.7669 | 14.3572 | 1.72459 |
| 7800  | 5.0595 | -1.3999 | 1.7535 | 50.3000 | 14.7029 | 1.75345 |
| 7900  | 5.0742 | -1.4121 | 1.7806 | 50.8017 | 15.0153 | 1.78056 |
| 8000  | 5.0876 | -1.4236 | 1.8058 | 51.2696 | 15.2927 | 1.80576 |
| 8100  | 5.0997 | -1.4345 | 1.8289 | 51.7013 | 15.5329 | 1.82881 |
| 8200  | 5.1108 | -1.4448 | 1.8499 | 52.0989 | 15.7386 | 1.84980 |
| 8300  | 5.1208 | -1.4545 | 1.8687 | 52.4622 | 15.9102 | 1.86870 |
| 8400  | 5.1298 | -1.4636 | 1.8857 | 52.7947 | 16.0514 | 1.88567 |
| 8500  | 5.1380 | -1.4722 | 1.9009 | 53.0990 | 16.1650 | 1.90085 |
| 8600  | 5.1454 | -1.4804 | 1.9143 | 53.3768 | 16.2531 | 1.91433 |
| 8700  | 5.1522 | -1.4881 | 1.9263 | 53.6312 | 16.3192 | 1.92629 |
| 8800  | 5.1585 | -1.4955 | 1.9369 | 53.8660 | 16.3672 | 1.93696 |
| 8900  | 5.1642 | -1.5025 | 1.9465 | 54.0839 | 16.4000 | 1.94650 |
| 9000  | 5.1696 | -1.5092 | 1.9550 | 54.2868 | 16.4195 | 1.95503 |
| 9100  | 5.1747 | -1.5157 | 1.9627 | 54.4778 | 16.4290 | 1.96275 |
| 9200  | 5.1794 | -1.5220 | 1.9696 | 54.6583 | 16.4300 | 1.96975 |
| 9300  | 5.1840 | -1.5281 | 1.9760 | 54.8305 | 16.4245 | 1.97615 |
| 9400  | 5.1884 | -1.5341 | 1.9819 | 54.9963 | 16.4147 | 1.98211 |
| 9500  | 5.1926 | -1.5399 | 1.9875 | 55.1573 | 16.4021 | 1.98772 |
| 9600  | 5.1968 | -1.5456 | 1.9927 | 55.3143 | 16.3874 | 1.99303 |
| 9700  | 5.2009 | -1.5512 | 1.9978 | 55.4686 | 16.3719 | 1.99814 |
| 9800  | 5.2049 | -1.5567 | 2.0027 | 55.6214 | 16.3569 | 2.00313 |
| 9900  | 5.2090 | -1.5622 | 2.0076 | 55.7734 | 16.3429 | 2.00804 |
| 10000 | 5.2130 | -1.5676 | 2.0124 | 55.9254 | 16.3307 | 2.01292 |
| 10100 | 5.2171 | -1.5729 | 2.0172 | 56.0782 | 16.3211 | 2.01786 |
| 10200 | 5.2212 | -1.5783 | 2.0221 | 56.2324 | 16.3144 | 2.02287 |
| 10300 | 5.2253 | -1.5836 | 2.0272 | 56.3884 | 16.3114 | 2.02800 |
| 10400 | 5.2296 | -1.5889 | 2.0324 | 56.5470 | 16.3124 | 2.03329 |
| 10500 | 5.2338 | -1.5942 | 2.0377 | 56.7083 | 16.3176 | 2.03877 |
| 10600 | 5.2382 | -1.5995 | 2.0433 | 56.8731 | 16.3276 | 2.04448 |
| 10700 | 5.2427 | -1.6048 | 2.0491 | 57.0415 | 16.3426 | 2.05044 |
| 10800 | 5.2473 | -1.6101 | 2.0552 | 57.2140 | 16.3631 | 2.05668 |
| 10900 | 5.2520 | -1.6155 | 2.0616 | 57.3909 | 16.3891 | 2.06322 |
| 11000 | 5.2568 | -1.6209 | 2.0683 | 57.5726 | 16.4209 | 2.07010 |
| 11100 | 5.2617 | -1.6263 | 2.0753 | 57.7593 | 16.4589 | 2.07734 |
| 11200 | 5.2668 | -1.6317 | 2.0827 | 57.9513 | 16.5031 | 2.08497 |
| 11300 | 5.2720 | -1.6372 | 2.0905 | 58.1490 | 16.5538 | 2.09299 |
| 11400 | 5.2773 | -1.6427 | 2.0987 | 58.3524 | 16.6112 | 2.10144 |
| 11500 | 5.2828 | -1.6483 | 2.1074 | 58.5622 | 16.6756 | 2.11035 |
| 11600 | 5.2884 | -1.6539 | 2.1164 | 58.7781 | 16.7468 | 2.11972 |
| 11700 | 5.2942 | -1.6596 | 2.1260 | 59.0007 | 16.8254 | 2.12958 |
| 11800 | 5.3001 | -1.6653 | 2.1360 | 59.2300 | 16.9112 | 2.13995 |
| 11900 | 5.3061 | -1.6712 | 2.1466 | 59.4664 | 17.0045 | 2.15086 |
| 12000 | 5.3123 | -1.6770 | 2.1577 | 59.7101 | 17.1055 | 2.16231 |
| 12100 | 5.3187 | -1.6830 | 2.1693 | 59.9610 | 17.2140 | 2.17432 |
| 12200 | 5.3252 | -1.6890 | 2.1815 | 60.2196 | 17.3305 | 2.18692 |
| 12300 | 5.3318 | -1.6950 | 2.1942 | 60.4856 | 17.4548 | 2.20012 |
| 12400 | 5.3386 | -1.7012 | 2.2076 | 60.7598 | 17.5869 | 2.21393 |
| 12500 | 5.3456 | -1.7074 | 2.2215 | 61.0418 | 17.7271 | 2.22837 |
| 12600 | 5.3526 | -1.7137 | 2.2361 | 61.3318 | 17.8753 | 2.24345 |
| 12700 | 5.3598 | -1.7201 | 2.2513 | 61.6301 | 18.0317 | 2.25921 |
| 12800 | 5.3672 | -1.7265 | 2.2671 | 61.9365 | 18.1961 | 2.27561 |
| 12900 | 5.3747 | -1.7331 | 2.2836 | 62.2513 | 18.3685 | 2.29270 |
| 13000 | 5.3823 | -1.7397 | 2.3007 | 62.5743 | 18.5489 | 2.31046 |
| 13100 | 5.3900 | -1.7463 | 2.3185 | 62.9053 | 18.7372 | 2.32891 |
| 13200 | 5.3978 | -1.7531 | 2.3370 | 63.2448 | 18.9334 | 2.34807 |
| 13300 | 5.4057 | -1.7599 | 2.3562 | 63.5924 | 19.1374 | 2.36792 |
| 13400 | 5.4138 | -1.7668 | 2.3760 | 63.9481 | 19.3489 | 2.38847 |
| 13500 | 5.4219 | -1.7738 | 2.3964 | 64.3119 | 19.5680 | 2.40971 |
| 13600 | 5.4301 | -1.7808 | 2.4176 | 64.6836 | 19.7945 | 2.43165 |
| 13700 | 5.4384 | -1.7879 | 2.4394 | 65.0626 | 20.0277 | 2.45427 |
| 13800 | 5.4467 | -1.7950 | 2.4619 | 65.4494 | 20.2678 | 2.47757 |
| 13900 | 5.4551 | -1.8022 | 2.4850 | 65.8430 | 20.5143 | 2.50152 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 14000 | 5.4636 | -1.8094 | 2.5087 | 66.2490 | 20.7723 | 2.52612 |
| 14100 | 5.4720 | -1.8167 | 2.5330 | 66.6509 | 21.0255 | 2.55135 |
| 14200 | 5.4805 | -1.8240 | 2.5580 | 67.0644 | 21.2896 | 2.57719 |
| 14300 | 5.4890 | -1.8314 | 2.5835 | 67.4835 | 21.5583 | 2.60361 |
| 14400 | 5.4975 | -1.8388 | 2.6095 | 67.9085 | 21.8321 | 2.63061 |
| 14500 | 5.5060 | -1.8462 | 2.6360 | 68.3380 | 22.1095 | 2.65809 |
| 14600 | 5.5144 | -1.8536 | 2.6630 | 68.7714 | 22.3901 | 2.68605 |
| 14700 | 5.5229 | -1.8610 | 2.6905 | 69.2093 | 22.6740 | 2.71449 |
| 14800 | 5.5312 | -1.8684 | 2.7184 | 69.6504 | 22.9604 | 2.74334 |
| 14900 | 5.5396 | -1.8758 | 2.7466 | 70.0937 | 23.2482 | 2.77251 |
| 15000 | 5.5478 | -1.8832 | 2.7751 | 70.5391 | 23.5370 | 2.80201 |

LOG P= .4

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5180  | .8610   | .9451  | 19.0404 | 3.2963 | 1.00000 |
| 200  | 2.8407  | .5377   | .9946  | 21.5657 | 3.4644 | 1.00000 |
| 300  | 3.0191  | .3593   | .9998  | 22.9942 | 3.4836 | 1.00000 |
| 400  | 3.1452  | .2339   | 1.0010 | 24.0057 | 3.4926 | 1.00000 |
| 500  | 3.2438  | .1372   | 1.0010 | 24.7959 | 3.5064 | 1.00000 |
| 600  | 3.3255  | .0578   | 1.0011 | 25.4554 | 3.5266 | 1.00000 |
| 700  | 3.3956  | -.0091  | 1.0011 | 26.0250 | 3.5522 | 1.00000 |
| 800  | 3.4572  | -.0671  | 1.0010 | 26.5291 | 3.5816 | 1.00000 |
| 900  | 3.5121  | -.1182  | 1.0009 | 26.9895 | 3.6133 | 1.00000 |
| 1000 | 3.5619  | -.1640  | 1.0009 | 27.4046 | 3.6464 | 1.00000 |
| 1100 | 3.6072  | -.2053  | 1.0008 | 27.7951 | 3.6798 | 1.00000 |
| 1200 | 3.6489  | -.2431  | 1.0007 | 28.1455 | 3.7130 | 1.00000 |
| 1300 | 3.6875  | -.2778  | 1.0007 | 28.4690 | 3.7460 | 1.00000 |
| 1400 | 3.7234  | -.3100  | 1.0007 | 28.7846 | 3.7783 | 1.00000 |
| 1500 | 3.7571  | -.3400  | 1.0007 | 29.0793 | 3.8104 | 1.00000 |
| 1500 | 3.7570  | -.3402  | 1.0006 | 29.0840 | 3.8101 | .99999  |
| 1600 | 3.7887  | -.3682  | 1.0006 | 29.3629 | 3.8425 | .99999  |
| 1700 | 3.8187  | -.3946  | 1.0006 | 29.6286 | 3.8745 | 1.00000 |
| 1800 | 3.8470  | -.4194  | 1.0006 | 29.8829 | 3.9060 | 1.00001 |
| 1900 | 3.8741  | -.4429  | 1.0006 | 30.1272 | 3.9384 | 1.00003 |
| 2000 | 3.9000  | -.4651  | 1.0006 | 30.3630 | 3.9715 | 1.00008 |
| 2100 | 3.9249  | -.4864  | 1.0007 | 30.5917 | 4.0052 | 1.00018 |
| 2200 | 3.9490  | -.5066  | 1.0008 | 30.8147 | 4.0418 | 1.00037 |
| 2300 | 3.9724  | -.5261  | 1.0011 | 31.0340 | 4.0802 | 1.00069 |
| 2400 | 3.9954  | -.5448  | 1.0016 | 31.2514 | 4.1228 | 1.00120 |
| 2500 | 4.0183  | -.5628  | 1.0024 | 31.4691 | 4.1717 | 1.00199 |
| 2600 | 4.0411  | -.5804  | 1.0036 | 31.6895 | 4.2274 | 1.00320 |
| 2700 | 4.0640  | -.5975  | 1.0053 | 31.9153 | 4.2919 | 1.00492 |
| 2800 | 4.0875  | -.6143  | 1.0077 | 32.1493 | 4.3689 | 1.00732 |
| 2900 | 4.1116  | -.6310  | 1.0109 | 32.3940 | 4.4588 | 1.01057 |
| 3000 | 4.1367  | -.6475  | 1.0152 | 32.6547 | 4.5664 | 1.01483 |
| 3100 | 4.1624  | -.6641  | 1.0206 | 32.9281 | 4.6885 | 1.02027 |
| 3200 | 4.1889  | -.6807  | 1.0273 | 33.2181 | 4.8272 | 1.02702 |
| 3300 | 4.2160  | -.6975  | 1.0355 | 33.5247 | 4.9828 | 1.03516 |
| 3400 | 4.2437  | -.7145  | 1.0450 | 33.8470 | 5.1543 | 1.04471 |
| 3500 | 4.2714  | -.7315  | 1.0559 | 34.1820 | 5.3369 | 1.05558 |
| 3600 | 4.2989  | -.7487  | 1.0679 | 34.5260 | 5.5280 | 1.06761 |
| 3700 | 4.3256  | -.7658  | 1.0807 | 34.8722 | 5.7199 | 1.08044 |
| 3800 | 4.3512  | -.7826  | 1.0940 | 35.2147 | 5.9078 | 1.09371 |
| 3900 | 4.3752  | -.7992  | 1.1072 | 35.5465 | 6.0838 | 1.10697 |
| 4000 | 4.3974  | -.8151  | 1.1200 | 35.8612 | 6.2420 | 1.11975 |
| 4100 | 4.4176  | -.8305  | 1.1320 | 36.1552 | 6.3802 | 1.13172 |
| 4200 | 4.4359  | -.8451  | 1.1428 | 36.4259 | 6.4956 | 1.14261 |
| 4300 | 4.4524  | -.8590  | 1.1525 | 36.6737 | 6.5900 | 1.15230 |
| 4400 | 4.4672  | -.8722  | 1.1611 | 36.9007 | 6.6642 | 1.16085 |
| 4500 | 4.4808  | -.8847  | 1.1686 | 37.1102 | 6.7236 | 1.16834 |
| 4600 | 4.4934  | -.8967  | 1.1752 | 37.3054 | 6.7703 | 1.17494 |
| 4700 | 4.5052  | -.9082  | 1.1811 | 37.4905 | 6.8092 | 1.18084 |
| 4800 | 4.5166  | -.9193  | 1.1865 | 37.6690 | 6.8440 | 1.18625 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 4900  | 4.5277 | -.9302  | 1.1915 | 37.8443 | 6.8781  | 1.19134 |
| 5000  | 4.5392 | -.9407  | 1.1963 | 38.0263 | 6.9213  | 1.19612 |
| 5100  | 4.5503 | -.9511  | 1.2013 | 38.2044 | 6.9618  | 1.20111 |
| 5200  | 4.5617 | -.9614  | 1.2065 | 38.3874 | 7.0092  | 1.20628 |
| 5300  | 4.5734 | -.9716  | 1.2120 | 38.5775 | 7.0657  | 1.21176 |
| 5400  | 4.5857 | -.9819  | 1.2179 | 38.7778 | 7.1332  | 1.21772 |
| 5500  | 4.5985 | -.9922  | 1.2244 | 38.9897 | 7.2138  | 1.22426 |
| 5600  | 4.6120 | -1.0026 | 1.2317 | 39.2156 | 7.3089  | 1.23154 |
| 5700  | 4.6263 | -1.0131 | 1.2399 | 39.4581 | 7.4208  | 1.23968 |
| 5800  | 4.6414 | -1.0238 | 1.2490 | 39.7180 | 7.5508  | 1.24882 |
| 5900  | 4.6574 | -1.0348 | 1.2593 | 39.9987 | 7.7011  | 1.25909 |
| 6000  | 4.6742 | -1.0461 | 1.2708 | 40.3006 | 7.8720  | 1.27058 |
| 6100  | 4.6920 | -1.0576 | 1.2836 | 40.6262 | 8.0657  | 1.28346 |
| 6200  | 4.7106 | -1.0695 | 1.2980 | 40.9760 | 8.2829  | 1.29780 |
| 6300  | 4.7300 | -1.0818 | 1.3139 | 41.3522 | 8.5248  | 1.31375 |
| 6400  | 4.7502 | -1.0944 | 1.3314 | 41.7549 | 8.7908  | 1.33129 |
| 6500  | 4.7712 | -1.1074 | 1.3508 | 42.1858 | 9.0833  | 1.35065 |
| 6600  | 4.7927 | -1.1207 | 1.3719 | 42.6447 | 9.4012  | 1.37180 |
| 6700  | 4.8147 | -1.1344 | 1.3948 | 43.1294 | 9.7422  | 1.39467 |
| 6800  | 4.8372 | -1.1485 | 1.4196 | 43.6424 | 10.1078 | 1.41941 |
| 6900  | 4.8597 | -1.1628 | 1.4459 | 44.1776 | 10.4929 | 1.44577 |
| 7000  | 4.8824 | -1.1774 | 1.4739 | 44.7368 | 10.8979 | 1.47380 |
| 7100  | 4.9049 | -1.1921 | 1.5033 | 45.3115 | 11.3156 | 1.50312 |
| 7200  | 4.9271 | -1.2069 | 1.5337 | 45.9004 | 11.7432 | 1.53360 |
| 7300  | 4.9487 | -1.2217 | 1.5649 | 46.4955 | 12.1733 | 1.56480 |
| 7400  | 4.9698 | -1.2363 | 1.5968 | 47.0958 | 12.6048 | 1.59664 |
| 7500  | 4.9899 | -1.2507 | 1.6286 | 47.6901 | 13.0269 | 1.62848 |
| 7600  | 5.0091 | -1.2648 | 1.6602 | 48.2745 | 13.4360 | 1.66004 |
| 7700  | 5.0271 | -1.2785 | 1.6909 | 48.8407 | 13.8241 | 1.69078 |
| 7800  | 5.0440 | -1.2916 | 1.7206 | 49.3860 | 14.1887 | 1.72052 |
| 7900  | 5.0598 | -1.3043 | 1.7490 | 49.9059 | 14.5257 | 1.74890 |
| 8000  | 5.0743 | -1.3163 | 1.7758 | 50.3967 | 14.8320 | 1.77567 |
| 8100  | 5.0876 | -1.3278 | 1.8006 | 50.8546 | 15.1039 | 1.80054 |
| 8200  | 5.0997 | -1.3386 | 1.8236 | 51.2803 | 15.3430 | 1.82350 |
| 8300  | 5.1108 | -1.3488 | 1.8445 | 51.6725 | 15.5480 | 1.84443 |
| 8400  | 5.1208 | -1.3585 | 1.8635 | 52.0337 | 15.7220 | 1.86344 |
| 8500  | 5.1299 | -1.3676 | 1.8807 | 52.3656 | 15.8669 | 1.88060 |
| 8600  | 5.1382 | -1.3762 | 1.8960 | 52.6692 | 15.9842 | 1.89596 |
| 8700  | 5.1457 | -1.3843 | 1.9097 | 52.9471 | 16.0766 | 1.90965 |
| 8800  | 5.1526 | -1.3921 | 1.9219 | 53.2031 | 16.1485 | 1.92191 |
| 8900  | 5.1590 | -1.3995 | 1.9329 | 53.4398 | 16.2024 | 1.93289 |
| 9000  | 5.1648 | -1.4065 | 1.9427 | 53.6589 | 16.2403 | 1.94269 |
| 9100  | 5.1703 | -1.4133 | 1.9515 | 53.8637 | 16.2655 | 1.95152 |
| 9200  | 5.1754 | -1.4198 | 1.9594 | 54.0558 | 16.2798 | 1.95947 |
| 9300  | 5.1803 | -1.4260 | 1.9666 | 54.2374 | 16.2853 | 1.96669 |
| 9400  | 5.1849 | -1.4321 | 1.9732 | 54.4107 | 16.2845 | 1.97333 |
| 9500  | 5.1894 | -1.4381 | 1.9793 | 54.5774 | 16.2789 | 1.97950 |
| 9600  | 5.1937 | -1.4439 | 1.9850 | 54.7385 | 16.2695 | 1.98526 |
| 9700  | 5.1978 | -1.4496 | 1.9904 | 54.8952 | 16.2577 | 1.99071 |
| 9800  | 5.2020 | -1.4552 | 1.9956 | 55.0491 | 16.2449 | 1.99593 |
| 9900  | 5.2060 | -1.4607 | 2.0006 | 55.2009 | 16.2318 | 2.00100 |
| 10000 | 5.2100 | -1.4661 | 2.0055 | 55.3515 | 16.2194 | 2.00596 |
| 10100 | 5.2141 | -1.4714 | 2.0103 | 55.5017 | 16.2083 | 2.01089 |
| 10200 | 5.2181 | -1.4768 | 2.0152 | 55.6523 | 16.1993 | 2.01582 |
| 10300 | 5.2222 | -1.4821 | 2.0201 | 55.8038 | 16.1928 | 2.02080 |
| 10400 | 5.2263 | -1.4873 | 2.0250 | 55.9568 | 16.1893 | 2.02588 |
| 10500 | 5.2304 | -1.4926 | 2.0301 | 56.1118 | 16.1894 | 2.03108 |
| 10600 | 5.2346 | -1.4978 | 2.0354 | 56.2692 | 16.1934 | 2.03646 |
| 10700 | 5.2389 | -1.5030 | 2.0408 | 56.4295 | 16.2015 | 2.04202 |
| 10800 | 5.2433 | -1.5083 | 2.0464 | 56.5930 | 16.2143 | 2.04781 |
| 10900 | 5.2478 | -1.5135 | 2.0523 | 56.7601 | 16.2319 | 2.05385 |
| 11000 | 5.2524 | -1.5188 | 2.0584 | 56.9311 | 16.2546 | 2.06017 |
| 11100 | 5.2571 | -1.5241 | 2.0649 | 57.1064 | 16.2827 | 2.06679 |
| 11200 | 5.2618 | -1.5294 | 2.0716 | 57.2862 | 16.3163 | 2.07375 |
| 11300 | 5.2668 | -1.5347 | 2.0787 | 57.4708 | 16.3556 | 2.08104 |
| 11400 | 5.2718 | -1.5401 | 2.0861 | 57.6605 | 16.4010 | 2.08871 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 11500 | 5.2769 | -1.5455 | 2.0939 | 57.8556 | 16.4526 | 2.09678 |
| 11600 | 5.2822 | -1.5510 | 2.1021 | 58.0560 | 16.5104 | 2.10525 |
| 11700 | 5.2876 | -1.5565 | 2.1108 | 58.2624 | 16.5748 | 2.11416 |
| 11800 | 5.2932 | -1.5620 | 2.1198 | 58.4746 | 16.6457 | 2.12351 |
| 11900 | 5.2989 | -1.5676 | 2.1293 | 58.6931 | 16.7235 | 2.13335 |
| 12000 | 5.3047 | -1.5733 | 2.1393 | 58.9181 | 16.8081 | 2.14367 |
| 12100 | 5.3107 | -1.5790 | 2.1497 | 59.1495 | 16.8996 | 2.15449 |
| 12200 | 5.3168 | -1.5848 | 2.1607 | 59.3877 | 16.9984 | 2.16584 |
| 12300 | 5.3230 | -1.5906 | 2.1721 | 59.6327 | 17.1043 | 2.17773 |
| 12400 | 5.3294 | -1.5966 | 2.1841 | 59.8849 | 17.2173 | 2.19017 |
| 12500 | 5.3359 | -1.6025 | 2.1966 | 60.1441 | 17.3379 | 2.20318 |
| 12600 | 5.3426 | -1.6086 | 2.2097 | 60.4106 | 17.4658 | 2.21678 |
| 12700 | 5.3494 | -1.6147 | 2.2234 | 60.6847 | 17.6012 | 2.23098 |
| 12800 | 5.3563 | -1.6209 | 2.2376 | 60.9660 | 17.7440 | 2.24577 |
| 12900 | 5.3633 | -1.6271 | 2.2525 | 61.2551 | 17.8944 | 2.26120 |
| 13000 | 5.3705 | -1.6334 | 2.2679 | 61.5517 | 18.0522 | 2.27724 |
| 13100 | 5.3778 | -1.6398 | 2.2840 | 61.8557 | 18.2173 | 2.29392 |
| 13200 | 5.3852 | -1.6463 | 2.3006 | 62.1675 | 18.3900 | 2.31126 |
| 13300 | 5.3927 | -1.6528 | 2.3179 | 62.4871 | 18.5700 | 2.32924 |
| 13400 | 5.4003 | -1.6594 | 2.3358 | 62.8140 | 18.7573 | 2.34787 |
| 13500 | 5.4080 | -1.6661 | 2.3544 | 63.1487 | 18.9518 | 2.36716 |
| 13600 | 5.4158 | -1.6728 | 2.3736 | 63.4910 | 19.1534 | 2.38711 |
| 13700 | 5.4237 | -1.6796 | 2.3934 | 63.8404 | 19.3618 | 2.40771 |
| 13800 | 5.4316 | -1.6864 | 2.4138 | 64.1971 | 19.5770 | 2.42897 |
| 13900 | 5.4397 | -1.6933 | 2.4348 | 64.5608 | 19.7985 | 2.45085 |
| 14000 | 5.4478 | -1.7003 | 2.4565 | 64.9361 | 20.0310 | 2.47337 |
| 14100 | 5.4559 | -1.7073 | 2.4787 | 65.3085 | 20.2601 | 2.49652 |
| 14200 | 5.4640 | -1.7144 | 2.5016 | 65.6921 | 20.4997 | 2.52028 |
| 14300 | 5.4722 | -1.7215 | 2.5250 | 66.0816 | 20.7445 | 2.54462 |
| 14400 | 5.4805 | -1.7286 | 2.5490 | 66.4772 | 20.9947 | 2.56956 |
| 14500 | 5.4887 | -1.7357 | 2.5735 | 66.8780 | 21.2493 | 2.59502 |
| 14600 | 5.4970 | -1.7429 | 2.5984 | 67.2834 | 21.5078 | 2.62099 |
| 14700 | 5.5052 | -1.7501 | 2.6239 | 67.6938 | 21.7705 | 2.64749 |
| 14800 | 5.5134 | -1.7573 | 2.6499 | 68.1086 | 22.0367 | 2.67445 |
| 14900 | 5.5216 | -1.7646 | 2.6762 | 68.5264 | 22.3053 | 2.70181 |
| 15000 | 5.5297 | -1.7718 | 2.7030 | 68.9475 | 22.5763 | 2.72957 |

LOG P= .5

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 100  | 2.5125  | .9684   | .9292  | 18.7826 | 3.2543 | 1.00000 |
| 200  | 2.8400  | .6384   | .9930  | 21.3316 | 3.4592 | 1.00000 |
| 300  | 3.0190  | .4594   | .9997  | 22.7625 | 3.4821 | 1.00000 |
| 400  | 3.1451  | .3338   | 1.0012 | 23.7749 | 3.4921 | 1.00000 |
| 500  | 3.2438  | .2370   | 1.0012 | 24.5657 | 3.5062 | 1.00000 |
| 600  | 3.3255  | .1577   | 1.0014 | 25.2290 | 3.5266 | 1.00000 |
| 700  | 3.3956  | .0907   | 1.0013 | 25.7960 | 3.5522 | 1.00000 |
| 800  | 3.4572  | .0328   | 1.0013 | 26.2971 | 3.5817 | 1.00000 |
| 900  | 3.5122  | -.0183  | 1.0011 | 26.7575 | 3.6134 | 1.00000 |
| 1000 | 3.5619  | -.0640  | 1.0010 | 27.1764 | 3.6465 | 1.00000 |
| 1100 | 3.6072  | -.1054  | 1.0010 | 27.5668 | 3.6799 | 1.00000 |
| 1200 | 3.6489  | -.1432  | 1.0010 | 27.9169 | 3.7132 | 1.00000 |
| 1300 | 3.6875  | -.1779  | 1.0008 | 28.2369 | 3.7461 | 1.00000 |
| 1400 | 3.7234  | -.2101  | 1.0009 | 28.5562 | 3.7785 | 1.00000 |
| 1500 | 3.7571  | -.2400  | 1.0008 | 28.8475 | 3.8105 | 1.00000 |
| 1500 | 3.7571  | -.2403  | 1.0008 | 28.8537 | 3.8103 | .99999  |
| 1600 | 3.7888  | -.2683  | 1.0008 | 29.1326 | 3.8426 | .99999  |
| 1700 | 3.8187  | -.2946  | 1.0007 | 29.3983 | 3.8746 | .99999  |
| 1800 | 3.8470  | -.3194  | 1.0007 | 29.6526 | 3.9060 | 1.00001 |
| 1900 | 3.8741  | -.3429  | 1.0007 | 29.8968 | 3.9383 | 1.00003 |
| 2000 | 3.9000  | -.3652  | 1.0007 | 30.1324 | 3.9713 | 1.00007 |
| 2100 | 3.9248  | -.3864  | 1.0008 | 30.3607 | 4.0047 | 1.00016 |
| 2200 | 3.9489  | -.4067  | 1.0009 | 30.5832 | 4.0408 | 1.00032 |
| 2300 | 3.9722  | -.4261  | 1.0012 | 30.8016 | 4.0783 | 1.00061 |

|      |        |         |        |         |         |         |
|------|--------|---------|--------|---------|---------|---------|
| 2400 | 3.9951 | -.4448  | 1.0016 | 31.0175 | 4.1196  | 1.00107 |
| 2500 | 4.0177 | -.4628  | 1.0023 | 31.2331 | 4.1664  | 1.00177 |
| 2600 | 4.0402 | -.4803  | 1.0033 | 31.4504 | 4.2194  | 1.00284 |
| 2700 | 4.0628 | -.4973  | 1.0048 | 31.6719 | 4.2800  | 1.00438 |
| 2800 | 4.0858 | -.5140  | 1.0070 | 31.9003 | 4.3519  | 1.00653 |
| 2900 | 4.1093 | -.5305  | 1.0099 | 32.1378 | 4.4353  | 1.00944 |
| 3000 | 4.1337 | -.5469  | 1.0137 | 32.3896 | 4.5349  | 1.01326 |
| 3100 | 4.1586 | -.5632  | 1.0186 | 32.6523 | 4.6474  | 1.01815 |
| 3200 | 4.1841 | -.5796  | 1.0246 | 32.9298 | 4.7752  | 1.02424 |
| 3300 | 4.2104 | -.5961  | 1.0320 | 33.2226 | 4.9188  | 1.03162 |
| 3400 | 4.2371 | -.6127  | 1.0407 | 33.5302 | 5.0777  | 1.04034 |
| 3500 | 4.2641 | -.6294  | 1.0507 | 33.8505 | 5.2479  | 1.05034 |
| 3600 | 4.2909 | -.6462  | 1.0619 | 34.1807 | 5.4280  | 1.06152 |
| 3700 | 4.3172 | -.6630  | 1.0739 | 34.5153 | 5.6110  | 1.07361 |
| 3800 | 4.3427 | -.6797  | 1.0866 | 34.8491 | 5.7933  | 1.08628 |
| 3900 | 4.3668 | -.6961  | 1.0995 | 35.1760 | 5.9673  | 1.09917 |
| 4000 | 4.3893 | -.7121  | 1.1121 | 35.4897 | 6.1275  | 1.11184 |
| 4100 | 4.4101 | -.7275  | 1.1242 | 35.7862 | 6.2709  | 1.12393 |
| 4200 | 4.4290 | -.7423  | 1.1354 | 36.0620 | 6.3940  | 1.13515 |
| 4300 | 4.4462 | -.7564  | 1.1456 | 36.3164 | 6.4972  | 1.14531 |
| 4400 | 4.4617 | -.7698  | 1.1547 | 36.5504 | 6.5805  | 1.15438 |
| 4500 | 4.4759 | -.7825  | 1.1627 | 36.7665 | 6.6483  | 1.16241 |
| 4600 | 4.4890 | -.7947  | 1.1698 | 36.9672 | 6.7021  | 1.16952 |
| 4700 | 4.5012 | -.8064  | 1.1761 | 37.1563 | 6.7464  | 1.17586 |
| 4800 | 4.5128 | -.8177  | 1.1819 | 37.3372 | 6.7849  | 1.18160 |
| 4900 | 4.5240 | -.8286  | 1.1872 | 37.5132 | 6.8208  | 1.18694 |
| 5000 | 4.5355 | -.8391  | 1.1921 | 37.6940 | 6.8639  | 1.19185 |
| 5100 | 4.5466 | -.8496  | 1.1971 | 37.8691 | 6.9026  | 1.19689 |
| 5200 | 4.5578 | -.8598  | 1.2022 | 38.0473 | 6.9465  | 1.20200 |
| 5300 | 4.5692 | -.8700  | 1.2076 | 38.2309 | 6.9976  | 1.20733 |
| 5400 | 4.5811 | -.8802  | 1.2132 | 38.4226 | 7.0580  | 1.21302 |
| 5500 | 4.5934 | -.8904  | 1.2194 | 38.6239 | 7.1294  | 1.21917 |
| 5600 | 4.6063 | -.9006  | 1.2262 | 38.8373 | 7.2136  | 1.22595 |
| 5700 | 4.6199 | -.9109  | 1.2337 | 39.0649 | 7.3124  | 1.23347 |
| 5800 | 4.6343 | -.9214  | 1.2421 | 39.3078 | 7.4274  | 1.24185 |
| 5900 | 4.6494 | -.9321  | 1.2514 | 39.5689 | 7.5603  | 1.25123 |
| 6000 | 4.6653 | -.9430  | 1.2619 | 39.8490 | 7.7119  | 1.26170 |
| 6100 | 4.6821 | -.9542  | 1.2736 | 40.1501 | 7.8840  | 1.27338 |
| 6200 | 4.6997 | -.9657  | 1.2866 | 40.4730 | 8.0774  | 1.28639 |
| 6300 | 4.7181 | -.9775  | 1.3010 | 40.8197 | 8.2934  | 1.30086 |
| 6400 | 4.7372 | -.9896  | 1.3170 | 41.1908 | 8.5315  | 1.31677 |
| 6500 | 4.7571 | -1.0021 | 1.3345 | 41.5879 | 8.7944  | 1.33436 |
| 6600 | 4.7777 | -1.0150 | 1.3538 | 42.0111 | 9.0813  | 1.35362 |
| 6700 | 4.7988 | -1.0281 | 1.3747 | 42.4589 | 9.3905  | 1.37451 |
| 6800 | 4.8204 | -1.0417 | 1.3974 | 42.9344 | 9.7239  | 1.39719 |
| 6900 | 4.8422 | -1.0555 | 1.4217 | 43.4320 | 10.0774 | 1.42148 |
| 7000 | 4.8643 | -1.0696 | 1.4476 | 43.9546 | 10.4519 | 1.44747 |
| 7100 | 4.8864 | -1.0839 | 1.4750 | 44.4948 | 10.8415 | 1.47484 |
| 7200 | 4.9083 | -1.0983 | 1.5037 | 45.0521 | 11.2443 | 1.50353 |
| 7300 | 4.9298 | -1.1128 | 1.5333 | 45.6198 | 11.6542 | 1.53318 |
| 7400 | 4.9510 | -1.1273 | 1.5639 | 46.1979 | 12.0706 | 1.56376 |
| 7500 | 4.9714 | -1.1416 | 1.5948 | 46.7761 | 12.4839 | 1.59469 |
| 7600 | 4.9911 | -1.1558 | 1.6259 | 47.3511 | 12.8910 | 1.62576 |
| 7700 | 5.0098 | -1.1696 | 1.6566 | 47.9149 | 13.2839 | 1.65646 |
| 7800 | 5.0275 | -1.1830 | 1.6867 | 48.4649 | 13.6599 | 1.68658 |
| 7900 | 5.0442 | -1.1960 | 1.7159 | 48.9958 | 14.0146 | 1.71577 |
| 8000 | 5.0598 | -1.2085 | 1.7439 | 49.5032 | 14.3438 | 1.74372 |
| 8100 | 5.0741 | -1.2204 | 1.7702 | 49.9820 | 14.6425 | 1.77007 |
| 8200 | 5.0873 | -1.2317 | 1.7949 | 50.4321 | 14.9114 | 1.79474 |
| 8300 | 5.0994 | -1.2424 | 1.8176 | 50.8506 | 15.1477 | 1.81753 |
| 8400 | 5.1105 | -1.2526 | 1.8386 | 51.2392 | 15.3538 | 1.83849 |
| 8500 | 5.1206 | -1.2623 | 1.8577 | 51.5987 | 15.5305 | 1.85764 |
| 8600 | 5.1298 | -1.2714 | 1.8750 | 51.9289 | 15.6781 | 1.87493 |
| 8700 | 5.1382 | -1.2800 | 1.8905 | 52.2318 | 15.7990 | 1.89047 |
| 8800 | 5.1458 | -1.2881 | 1.9045 | 52.5111 | 15.8973 | 1.90447 |
| 8900 | 5.1528 | -1.2959 | 1.9171 | 52.7691 | 15.9751 | 1.91706 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 9000  | 5.1593 | -1.3033 | 1.9283 | 53.0071 | 16.0343 | 1.92832 |
| 9100  | 5.1653 | -1.3103 | 1.9384 | 53.2286 | 16.0784 | 1.93846 |
| 9200  | 5.1709 | -1.3171 | 1.9475 | 53.4350 | 16.1089 | 1.94756 |
| 9300  | 5.1761 | -1.3236 | 1.9557 | 53.6286 | 16.1282 | 1.95578 |
| 9400  | 5.1810 | -1.3299 | 1.9632 | 53.8120 | 16.1390 | 1.96328 |
| 9500  | 5.1857 | -1.3361 | 1.9700 | 53.9868 | 16.1430 | 1.97019 |
| 9600  | 5.1902 | -1.3420 | 1.9763 | 54.1541 | 16.1413 | 1.97655 |
| 9700  | 5.1946 | -1.3478 | 1.9822 | 54.3155 | 16.1354 | 1.98249 |
| 9800  | 5.1988 | -1.3535 | 1.9878 | 54.4725 | 16.1270 | 1.98810 |
| 9900  | 5.2029 | -1.3590 | 1.9931 | 54.6260 | 16.1168 | 1.99345 |
| 10000 | 5.2070 | -1.3645 | 1.9982 | 54.7770 | 16.1058 | 1.99861 |
| 10100 | 5.2110 | -1.3699 | 2.0031 | 54.9265 | 16.0951 | 2.00365 |
| 10200 | 5.2150 | -1.3752 | 2.0080 | 55.0751 | 16.0852 | 2.00861 |
| 10300 | 5.2190 | -1.3805 | 2.0129 | 55.2238 | 16.0770 | 2.01356 |
| 10400 | 5.2231 | -1.3858 | 2.0177 | 55.3728 | 16.0708 | 2.01854 |
| 10500 | 5.2271 | -1.3910 | 2.0227 | 55.5229 | 16.0670 | 2.02357 |
| 10600 | 5.2312 | -1.3962 | 2.0277 | 55.6746 | 16.0665 | 2.02871 |
| 10700 | 5.2354 | -1.4013 | 2.0328 | 55.8284 | 16.0693 | 2.03398 |
| 10800 | 5.2396 | -1.4065 | 2.0381 | 55.9845 | 16.0759 | 2.03942 |
| 10900 | 5.2439 | -1.4117 | 2.0436 | 56.1433 | 16.0866 | 2.04506 |
| 11000 | 5.2483 | -1.4169 | 2.0493 | 56.3053 | 16.1017 | 2.05092 |
| 11100 | 5.2527 | -1.4220 | 2.0552 | 56.4709 | 16.1214 | 2.05702 |
| 11200 | 5.2573 | -1.4272 | 2.0614 | 56.6401 | 16.1459 | 2.06341 |
| 11300 | 5.2619 | -1.4325 | 2.0679 | 56.8133 | 16.1755 | 2.07008 |
| 11400 | 5.2667 | -1.4377 | 2.0747 | 56.9909 | 16.2104 | 2.07708 |
| 11500 | 5.2716 | -1.4430 | 2.0817 | 57.1731 | 16.2508 | 2.08441 |
| 11600 | 5.2766 | -1.4483 | 2.0892 | 57.3599 | 16.2969 | 2.09211 |
| 11700 | 5.2817 | -1.4536 | 2.0970 | 57.5519 | 16.3487 | 2.10018 |
| 11800 | 5.2869 | -1.4590 | 2.1051 | 57.7489 | 16.4065 | 2.10864 |
| 11900 | 5.2923 | -1.4644 | 2.1137 | 57.9516 | 16.4704 | 2.11753 |
| 12000 | 5.2977 | -1.4699 | 2.1227 | 58.1599 | 16.5405 | 2.12685 |
| 12100 | 5.3033 | -1.4754 | 2.1321 | 58.3738 | 16.6169 | 2.13661 |
| 12200 | 5.3091 | -1.4810 | 2.1419 | 58.5938 | 16.6999 | 2.14684 |
| 12300 | 5.3149 | -1.4866 | 2.1522 | 58.8189 | 16.7895 | 2.15756 |
| 12400 | 5.3209 | -1.4923 | 2.1630 | 59.0523 | 16.8854 | 2.16877 |
| 12500 | 5.3271 | -1.4981 | 2.1743 | 59.2911 | 16.9882 | 2.18050 |
| 12600 | 5.3333 | -1.5039 | 2.1860 | 59.5364 | 17.0977 | 2.19275 |
| 12700 | 5.3397 | -1.5098 | 2.1983 | 59.7885 | 17.2142 | 2.20555 |
| 12800 | 5.3462 | -1.5157 | 2.2111 | 60.0473 | 17.3374 | 2.21889 |
| 12900 | 5.3528 | -1.5217 | 2.2245 | 60.3130 | 17.4677 | 2.23281 |
| 13000 | 5.3596 | -1.5277 | 2.2384 | 60.5856 | 17.6049 | 2.24729 |
| 13100 | 5.3664 | -1.5339 | 2.2528 | 60.8649 | 17.7488 | 2.26236 |
| 13200 | 5.3734 | -1.5400 | 2.2678 | 61.1515 | 17.8998 | 2.27802 |
| 13300 | 5.3805 | -1.5463 | 2.2834 | 61.4452 | 18.0578 | 2.29429 |
| 13400 | 5.3877 | -1.5526 | 2.2996 | 61.7457 | 18.2226 | 2.31115 |
| 13500 | 5.3950 | -1.5590 | 2.3163 | 62.0535 | 18.3941 | 2.32863 |
| 13600 | 5.4024 | -1.5654 | 2.3337 | 62.3683 | 18.5726 | 2.34673 |
| 13700 | 5.4099 | -1.5719 | 2.3516 | 62.6899 | 18.7574 | 2.36543 |
| 13800 | 5.4175 | -1.5785 | 2.3701 | 63.0185 | 18.9489 | 2.38477 |
| 13900 | 5.4251 | -1.5851 | 2.3892 | 63.3537 | 19.1466 | 2.40469 |
| 14000 | 5.4329 | -1.5918 | 2.4089 | 63.6999 | 19.3548 | 2.42523 |
| 14100 | 5.4406 | -1.5985 | 2.4292 | 64.0440 | 19.5605 | 2.44639 |
| 14200 | 5.4484 | -1.6053 | 2.4500 | 64.3989 | 19.7764 | 2.46814 |
| 14300 | 5.4563 | -1.6121 | 2.4714 | 64.7597 | 19.9976 | 2.49047 |
| 14400 | 5.4642 | -1.6190 | 2.4933 | 65.1267 | 20.2245 | 2.51338 |
| 14500 | 5.4722 | -1.6259 | 2.5158 | 65.4992 | 20.4563 | 2.53685 |
| 14600 | 5.4802 | -1.6328 | 2.5388 | 65.8768 | 20.6924 | 2.56083 |
| 14700 | 5.4882 | -1.6398 | 2.5623 | 66.2596 | 20.9333 | 2.58537 |
| 14800 | 5.4962 | -1.6468 | 2.5863 | 66.6474 | 21.1782 | 2.61039 |
| 14900 | 5.5041 | -1.6538 | 2.6108 | 67.0391 | 21.4264 | 2.63588 |
| 15000 | 5.5121 | -1.6608 | 2.6356 | 67.4348 | 21.6779 | 2.66180 |

LCG P= .6

|   |         |         |   |     |      |    |
|---|---------|---------|---|-----|------|----|
| T | LOG H/R | LOG RHO | Z | S/R | H/RT | Z* |
|---|---------|---------|---|-----|------|----|

|      |        |        |        |         |        |         |
|------|--------|--------|--------|---------|--------|---------|
| 200  | 2.8391 | .7393  | .9910  | 21.0962 | 3.4523 | 1.00000 |
| 300  | 3.0187 | .5596  | .9994  | 22.5307 | 3.4802 | 1.00000 |
| 400  | 3.1451 | .4338  | 1.0013 | 23.5441 | 3.4915 | 1.00000 |
| 500  | 3.2438 | .3368  | 1.0015 | 24.3317 | 3.5059 | 1.00000 |
| 600  | 3.3255 | .2575  | 1.0017 | 25.0019 | 3.5266 | 1.00000 |
| 700  | 3.3956 | .1906  | 1.0017 | 25.5675 | 3.5523 | 1.00000 |
| 800  | 3.4572 | .1326  | 1.0016 | 26.0666 | 3.5819 | 1.00000 |
| 900  | 3.5122 | .0816  | 1.0014 | 26.5274 | 3.6135 | 1.00000 |
| 1000 | 3.5619 | .0358  | 1.0013 | 26.9474 | 3.6466 | 1.00000 |
| 1100 | 3.6073 | -.0055 | 1.0013 | 27.3377 | 3.6801 | 1.00000 |
| 1200 | 3.6490 | -.0433 | 1.0013 | 27.6877 | 3.7134 | 1.00000 |
| 1300 | 3.6875 | -.0780 | 1.0011 | 28.0068 | 3.7463 | 1.00000 |
| 1400 | 3.7235 | -.1102 | 1.0011 | 28.3224 | 3.7787 | 1.00000 |
| 1500 | 3.7571 | -.1401 | 1.0010 | 28.6176 | 3.8107 | 1.00000 |
| 1500 | 3.7571 | -.1404 | 1.0010 | 28.6234 | 3.8105 | .99999  |
| 1600 | 3.7888 | -.1684 | 1.0010 | 28.9023 | 3.8428 | .99999  |
| 1700 | 3.8187 | -.1947 | 1.0009 | 29.1680 | 3.8748 | .99999  |
| 1800 | 3.8470 | -.2195 | 1.0009 | 29.4222 | 3.9062 | 1.00000 |
| 1900 | 3.8741 | -.2430 | 1.0008 | 29.6664 | 3.9384 | 1.00002 |
| 2000 | 3.9000 | -.2653 | 1.0008 | 29.9018 | 3.9711 | 1.00006 |
| 2100 | 3.9248 | -.2865 | 1.0009 | 30.1299 | 4.0043 | 1.00014 |
| 2200 | 3.9488 | -.3067 | 1.0010 | 30.3519 | 4.0399 | 1.00029 |
| 2300 | 3.9720 | -.3261 | 1.0012 | 30.5694 | 4.0766 | 1.00054 |
| 2400 | 3.9948 | -.3448 | 1.0016 | 30.7840 | 4.1167 | 1.00094 |
| 2500 | 4.0172 | -.3628 | 1.0022 | 30.9977 | 4.1618 | 1.00158 |
| 2600 | 4.0395 | -.3802 | 1.0031 | 31.2123 | 4.2123 | 1.00253 |
| 2700 | 4.0617 | -.3972 | 1.0045 | 31.4300 | 4.2695 | 1.00391 |
| 2800 | 4.0843 | -.4138 | 1.0064 | 31.6534 | 4.3368 | 1.00582 |
| 2900 | 4.1073 | -.4301 | 1.0090 | 31.8844 | 4.4143 | 1.00842 |
| 3000 | 4.1310 | -.4463 | 1.0124 | 32.1281 | 4.5066 | 1.01185 |
| 3100 | 4.1551 | -.4624 | 1.0168 | 32.3810 | 4.6105 | 1.01624 |
| 3200 | 4.1798 | -.4786 | 1.0222 | 32.6472 | 4.7282 | 1.02173 |
| 3300 | 4.2052 | -.4947 | 1.0289 | 32.9271 | 4.8606 | 1.02841 |
| 3400 | 4.2311 | -.5110 | 1.0368 | 33.2210 | 5.0077 | 1.03634 |
| 3500 | 4.2572 | -.5274 | 1.0460 | 33.5271 | 5.1659 | 1.04551 |
| 3600 | 4.2834 | -.5439 | 1.0563 | 33.8436 | 5.3346 | 1.05584 |
| 3700 | 4.3092 | -.5605 | 1.0676 | 34.1659 | 5.5081 | 1.06715 |
| 3800 | 4.3344 | -.5769 | 1.0796 | 34.4898 | 5.6833 | 1.07916 |
| 3900 | 4.3585 | -.5931 | 1.0920 | 34.8100 | 5.8536 | 1.09157 |
| 4000 | 4.3812 | -.6090 | 1.1044 | 35.1206 | 6.0136 | 1.10398 |
| 4100 | 4.4024 | -.6245 | 1.1164 | 35.4174 | 6.1601 | 1.11605 |
| 4200 | 4.4218 | -.6394 | 1.1278 | 35.6965 | 6.2891 | 1.12746 |
| 4300 | 4.4396 | -.6536 | 1.1383 | 35.9562 | 6.3999 | 1.13797 |
| 4400 | 4.4558 | -.6672 | 1.1479 | 36.1963 | 6.4915 | 1.14750 |
| 4500 | 4.4706 | -.6802 | 1.1564 | 36.4188 | 6.5676 | 1.15604 |
| 4600 | 4.4842 | -.6926 | 1.1640 | 36.6252 | 6.6288 | 1.16365 |
| 4700 | 4.4968 | -.7044 | 1.1708 | 36.8189 | 6.6792 | 1.17044 |
| 4800 | 4.5088 | -.7158 | 1.1769 | 37.0030 | 6.7222 | 1.17657 |
| 4900 | 4.5202 | -.7269 | 1.1825 | 37.1805 | 6.7610 | 1.18221 |
| 5000 | 4.5318 | -.7375 | 1.1876 | 37.3611 | 6.8051 | 1.18731 |
| 5100 | 4.5428 | -.7480 | 1.1928 | 37.5345 | 6.8432 | 1.19246 |
| 5200 | 4.5539 | -.7583 | 1.1979 | 37.7091 | 6.8846 | 1.19758 |
| 5300 | 4.5651 | -.7684 | 1.2031 | 37.8874 | 6.9316 | 1.20282 |
| 5400 | 4.5766 | -.7785 | 1.2086 | 38.0720 | 6.9862 | 1.20831 |
| 5500 | 4.5886 | -.7886 | 1.2145 | 38.2643 | 7.0500 | 1.21417 |
| 5600 | 4.6010 | -.7987 | 1.2208 | 38.4669 | 7.1249 | 1.22055 |
| 5700 | 4.6140 | -.8089 | 1.2278 | 38.6816 | 7.2124 | 1.22753 |
| 5800 | 4.6276 | -.8191 | 1.2355 | 38.9094 | 7.3141 | 1.23528 |
| 5900 | 4.6420 | -.8296 | 1.2441 | 39.1531 | 7.4318 | 1.24387 |
| 6000 | 4.6570 | -.8402 | 1.2537 | 39.4137 | 7.5662 | 1.25343 |
| 6100 | 4.6729 | -.8510 | 1.2643 | 39.6929 | 7.7189 | 1.26407 |
| 6200 | 4.6895 | -.8621 | 1.2761 | 39.9915 | 7.8909 | 1.27589 |
| 6300 | 4.7069 | -.8735 | 1.2893 | 40.3116 | 8.0834 | 1.28901 |
| 6400 | 4.7251 | -.8852 | 1.3037 | 40.6539 | 8.2963 | 1.30346 |
| 6500 | 4.7440 | -.8972 | 1.3197 | 41.0198 | 8.5319 | 1.31943 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 6600  | 4.7635 | -.9096  | 1.3372 | 41.4100 | 8.7901  | 1.33694 |
| 6700  | 4.7837 | -.9223  | 1.3562 | 41.8233 | 9.0693  | 1.35598 |
| 6800  | 4.8043 | -.9353  | 1.3769 | 42.2629 | 9.3719  | 1.37670 |
| 6900  | 4.8254 | -.9486  | 1.3992 | 42.7242 | 9.6943  | 1.39899 |
| 7000  | 4.8468 | -.9622  | 1.4232 | 43.2104 | 10.0383 | 1.42294 |
| 7100  | 4.8682 | -.9760  | 1.4485 | 43.7153 | 10.3987 | 1.44832 |
| 7200  | 4.8897 | -.9901  | 1.4753 | 44.2391 | 10.7744 | 1.47511 |
| 7300  | 4.9110 | -1.0042 | 1.5032 | 44.7765 | 11.1606 | 1.50302 |
| 7400  | 4.9321 | -1.0184 | 1.5323 | 45.3282 | 11.5574 | 1.53208 |
| 7500  | 4.9527 | -1.0326 | 1.5620 | 45.8849 | 11.9562 | 1.56179 |
| 7600  | 4.9726 | -1.0467 | 1.5922 | 46.4442 | 12.3544 | 1.59196 |
| 7700  | 4.9918 | -1.0605 | 1.6224 | 46.9984 | 12.7448 | 1.62216 |
| 7800  | 5.0102 | -1.0741 | 1.6524 | 47.5453 | 13.1246 | 1.65217 |
| 7900  | 5.0276 | -1.0873 | 1.6819 | 48.0795 | 13.4892 | 1.68167 |
| 8000  | 5.0441 | -1.1001 | 1.7105 | 48.5962 | 13.8343 | 1.71034 |
| 8100  | 5.0594 | -1.1124 | 1.7379 | 49.0898 | 14.1540 | 1.73775 |
| 8200  | 5.0736 | -1.1242 | 1.7640 | 49.5591 | 14.4480 | 1.76381 |
| 8300  | 5.0868 | -1.1354 | 1.7884 | 50.0002 | 14.7124 | 1.78820 |
| 8400  | 5.0989 | -1.1461 | 1.8111 | 50.4137 | 14.9484 | 1.81095 |
| 8500  | 5.1100 | -1.1562 | 1.8321 | 50.7994 | 15.1560 | 1.83200 |
| 8600  | 5.1202 | -1.1658 | 1.8513 | 51.1561 | 15.3341 | 1.85121 |
| 8700  | 5.1294 | -1.1749 | 1.8687 | 51.4848 | 15.4847 | 1.86865 |
| 8800  | 5.1379 | -1.1836 | 1.8846 | 51.7887 | 15.6110 | 1.88449 |
| 8900  | 5.1457 | -1.1917 | 1.8989 | 52.0698 | 15.7151 | 1.89882 |
| 9000  | 5.1529 | -1.1995 | 1.9117 | 52.3290 | 15.7982 | 1.91169 |
| 9100  | 5.1595 | -1.2070 | 1.9233 | 52.5694 | 15.8637 | 1.92331 |
| 9200  | 5.1656 | -1.2140 | 1.9337 | 52.7926 | 15.9132 | 1.93374 |
| 9300  | 5.1712 | -1.2208 | 1.9431 | 53.0007 | 15.9491 | 1.94314 |
| 9400  | 5.1766 | -1.2274 | 1.9516 | 53.1966 | 15.9743 | 1.95168 |
| 9500  | 5.1816 | -1.2337 | 1.9594 | 53.3819 | 15.9906 | 1.95950 |
| 9600  | 5.1864 | -1.2398 | 1.9665 | 53.5580 | 15.9990 | 1.96664 |
| 9700  | 5.1909 | -1.2458 | 1.9730 | 53.7262 | 16.0015 | 1.97323 |
| 9800  | 5.1953 | -1.2516 | 1.9791 | 53.8885 | 15.9997 | 1.97939 |
| 9900  | 5.1996 | -1.2572 | 1.9849 | 54.0458 | 15.9945 | 1.98517 |
| 10000 | 5.2038 | -1.2628 | 1.9903 | 54.1991 | 15.9871 | 1.99066 |
| 10100 | 5.2079 | -1.2682 | 1.9955 | 54.3497 | 15.9786 | 1.99595 |
| 10200 | 5.2119 | -1.2736 | 2.0005 | 54.4982 | 15.9698 | 2.00108 |
| 10300 | 5.2159 | -1.2789 | 2.0055 | 54.6456 | 15.9615 | 2.00611 |
| 10400 | 5.2199 | -1.2842 | 2.0104 | 54.7925 | 15.9542 | 2.01109 |
| 10500 | 5.2239 | -1.2894 | 2.0152 | 54.9393 | 15.9483 | 2.01606 |
| 10600 | 5.2279 | -1.2945 | 2.0201 | 55.0869 | 15.9447 | 2.02108 |
| 10700 | 5.2320 | -1.2997 | 2.0251 | 55.2355 | 15.9437 | 2.02616 |
| 10800 | 5.2361 | -1.3048 | 2.0302 | 55.3857 | 15.9456 | 2.03135 |
| 10900 | 5.2402 | -1.3099 | 2.0354 | 55.5379 | 15.9509 | 2.03668 |
| 11000 | 5.2444 | -1.3150 | 2.0407 | 55.6924 | 15.9597 | 2.04218 |
| 11100 | 5.2487 | -1.3201 | 2.0462 | 55.8497 | 15.9724 | 2.04788 |
| 11200 | 5.2531 | -1.3252 | 2.0519 | 56.0100 | 15.9894 | 2.05379 |
| 11300 | 5.2575 | -1.3304 | 2.0579 | 56.1734 | 16.0107 | 2.05994 |
| 11400 | 5.2620 | -1.3355 | 2.0641 | 56.3405 | 16.0366 | 2.06636 |
| 11500 | 5.2666 | -1.3407 | 2.0706 | 56.5116 | 16.0674 | 2.07308 |
| 11600 | 5.2714 | -1.3458 | 2.0773 | 56.6865 | 16.1031 | 2.08009 |
| 11700 | 5.2762 | -1.3510 | 2.0844 | 56.8659 | 16.1441 | 2.08744 |
| 11800 | 5.2811 | -1.3563 | 2.0918 | 57.0496 | 16.1902 | 2.09512 |
| 11900 | 5.2862 | -1.3615 | 2.0996 | 57.2382 | 16.2420 | 2.10318 |
| 12000 | 5.2914 | -1.3668 | 2.1077 | 57.4317 | 16.2993 | 2.11161 |
| 12100 | 5.2966 | -1.3722 | 2.1161 | 57.6302 | 16.3623 | 2.12044 |
| 12200 | 5.3020 | -1.3776 | 2.1250 | 57.8340 | 16.4312 | 2.12969 |
| 12300 | 5.3076 | -1.3830 | 2.1342 | 58.0413 | 16.5063 | 2.13937 |
| 12400 | 5.3132 | -1.3885 | 2.1440 | 58.2579 | 16.5867 | 2.14949 |
| 12500 | 5.3189 | -1.3940 | 2.1541 | 58.4785 | 16.6736 | 2.16006 |
| 12600 | 5.3248 | -1.3996 | 2.1647 | 58.7047 | 16.7667 | 2.17112 |
| 12700 | 5.3308 | -1.4053 | 2.1758 | 58.9371 | 16.8661 | 2.18266 |
| 12800 | 5.3369 | -1.4110 | 2.1873 | 59.1754 | 16.9718 | 2.19469 |
| 12900 | 5.3432 | -1.4167 | 2.1993 | 59.4200 | 17.0838 | 2.20724 |
| 13000 | 5.3495 | -1.4225 | 2.2118 | 59.6708 | 17.2023 | 2.22031 |
| 13100 | 5.3560 | -1.4284 | 2.2248 | 59.9278 | 17.3270 | 2.23390 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 13200 | 5.3626 | -1.4343 | 2.2383 | 60.1913 | 17.4583 | 2.24805 |
| 13300 | 5.3693 | -1.4403 | 2.2523 | 60.4614 | 17.5961 | 2.26275 |
| 13400 | 5.3761 | -1.4464 | 2.2669 | 60.7377 | 17.7401 | 2.27799 |
| 13500 | 5.3830 | -1.4525 | 2.2820 | 61.0207 | 17.8908 | 2.29381 |
| 13600 | 5.3900 | -1.4587 | 2.2977 | 61.3104 | 18.0478 | 2.31021 |
| 13700 | 5.3971 | -1.4649 | 2.3139 | 61.6062 | 18.2109 | 2.32716 |
| 13800 | 5.4042 | -1.4712 | 2.3306 | 61.9087 | 18.3803 | 2.34470 |
| 13900 | 5.4115 | -1.4776 | 2.3479 | 62.2174 | 18.5557 | 2.36281 |
| 14000 | 5.4189 | -1.4839 | 2.3657 | 62.5364 | 18.7410 | 2.38149 |
| 14100 | 5.4262 | -1.4904 | 2.3841 | 62.8539 | 18.9246 | 2.40077 |
| 14200 | 5.4337 | -1.4969 | 2.4031 | 63.1815 | 19.1177 | 2.42061 |
| 14300 | 5.4413 | -1.5035 | 2.4225 | 63.5149 | 19.3163 | 2.44101 |
| 14400 | 5.4489 | -1.5101 | 2.4425 | 63.8545 | 19.5206 | 2.46199 |
| 14500 | 5.4565 | -1.5167 | 2.4631 | 64.1996 | 19.7298 | 2.48351 |
| 14600 | 5.4642 | -1.5234 | 2.4841 | 64.5497 | 19.9436 | 2.50554 |
| 14700 | 5.4719 | -1.5301 | 2.5057 | 64.9055 | 20.1625 | 2.52813 |
| 14800 | 5.4796 | -1.5369 | 2.5277 | 65.2663 | 20.3859 | 2.55122 |
| 14900 | 5.4873 | -1.5436 | 2.5503 | 65.6315 | 20.6130 | 2.57480 |
| 15000 | 5.4951 | -1.5504 | 2.5732 | 66.0012 | 20.8440 | 2.59884 |

LOG P= .7

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 200  | 2.8381  | .8403   | .9886  | 20.8596 | 3.4438 | 1.00000 |
| 300  | 3.0184  | .6597   | .9991  | 22.2985 | 3.4779 | 1.00000 |
| 400  | 3.1450  | .5337   | 1.0015 | 23.3133 | 3.4907 | 1.00000 |
| 500  | 3.2437  | .4367   | 1.0018 | 24.1002 | 3.5055 | 1.00000 |
| 600  | 3.3255  | .3574   | 1.0020 | 24.7732 | 3.5265 | 1.00000 |
| 700  | 3.3956  | .2904   | 1.0021 | 25.3402 | 3.5523 | 1.00000 |
| 800  | 3.4572  | .2325   | 1.0019 | 25.8382 | 3.5820 | 1.00000 |
| 900  | 3.5122  | .1814   | 1.0017 | 26.2985 | 3.6138 | 1.00000 |
| 1000 | 3.5619  | .1357   | 1.0017 | 26.7166 | 3.6468 | 1.00000 |
| 1100 | 3.6073  | .0944   | 1.0016 | 27.1066 | 3.6803 | 1.00000 |
| 1200 | 3.6490  | .0566   | 1.0015 | 27.4569 | 3.7136 | 1.00000 |
| 1300 | 3.6876  | .0218   | 1.0014 | 27.7784 | 3.7465 | 1.00000 |
| 1400 | 3.7235  | -.0103  | 1.0013 | 28.0880 | 3.7789 | 1.00000 |
| 1500 | 3.7571  | -.0402  | 1.0013 | 28.3890 | 3.8109 | 1.00000 |
| 1500 | 3.7571  | -.0405  | 1.0013 | 28.3931 | 3.8107 | .99999  |
| 1600 | 3.7888  | -.0685  | 1.0012 | 28.6720 | 3.8430 | .99999  |
| 1700 | 3.8187  | -.0948  | 1.0011 | 28.9377 | 3.8750 | .99999  |
| 1800 | 3.8470  | -.1196  | 1.0011 | 29.1919 | 3.9063 | 1.00000 |
| 1900 | 3.8741  | -.1431  | 1.0010 | 29.4360 | 3.9384 | 1.00002 |
| 2000 | 3.8999  | -.1653  | 1.0010 | 29.6713 | 3.9711 | 1.00005 |
| 2100 | 3.9247  | -.1865  | 1.0011 | 29.8991 | 4.0040 | 1.00012 |
| 2200 | 3.9487  | -.2068  | 1.0012 | 30.1207 | 4.0392 | 1.00025 |
| 2300 | 3.9719  | -.2262  | 1.0013 | 30.3374 | 4.0752 | 1.00048 |
| 2400 | 3.9945  | -.2448  | 1.0017 | 30.5509 | 4.1142 | 1.00083 |
| 2500 | 4.0168  | -.2627  | 1.0022 | 30.7629 | 4.1578 | 1.00140 |
| 2600 | 4.0388  | -.2801  | 1.0030 | 30.9750 | 4.2059 | 1.00225 |
| 2700 | 4.0608  | -.2970  | 1.0042 | 31.1894 | 4.2601 | 1.00348 |
| 2800 | 4.0830  | -.3136  | 1.0059 | 31.4082 | 4.3233 | 1.00519 |
| 2900 | 4.1054  | -.3298  | 1.0082 | 31.6334 | 4.3956 | 1.00751 |
| 3000 | 4.1285  | -.3458  | 1.0112 | 31.8698 | 4.4814 | 1.01059 |
| 3100 | 4.1520  | -.3618  | 1.0152 | 32.1139 | 4.5773 | 1.01453 |
| 3200 | 4.1759  | -.3776  | 1.0201 | 32.3697 | 4.6858 | 1.01947 |
| 3300 | 4.2005  | -.3936  | 1.0261 | 32.6379 | 4.8079 | 1.02550 |
| 3400 | 4.2255  | -.4096  | 1.0333 | 32.9188 | 4.9438 | 1.03271 |
| 3500 | 4.2508  | -.4256  | 1.0416 | 33.2114 | 5.0905 | 1.04108 |
| 3600 | 4.2763  | -.4418  | 1.0511 | 33.5145 | 5.2482 | 1.05059 |
| 3700 | 4.3015  | -.4580  | 1.0616 | 33.8244 | 5.4117 | 1.06110 |
| 3800 | 4.3263  | -.4742  | 1.0729 | 34.1376 | 5.5789 | 1.07240 |
| 3900 | 4.3503  | -.4902  | 1.0847 | 34.4497 | 5.7438 | 1.08425 |
| 4000 | 4.3730  | -.5060  | 1.0968 | 34.7553 | 5.9017 | 1.09627 |
| 4100 | 4.3945  | -.5214  | 1.1087 | 35.0504 | 6.0492 | 1.10818 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 4200  | 4.4144 | -.5364  | 1.1201 | 35.3307 | 6.1821  | 1.11963 |
| 4300  | 4.4327 | -.5507  | 1.1308 | 35.5940 | 6.2989  | 1.13038 |
| 4400  | 4.4495 | -.5645  | 1.1407 | 35.8393 | 6.3980  | 1.14028 |
| 4500  | 4.4649 | -.5777  | 1.1497 | 36.0675 | 6.4819  | 1.14927 |
| 4600  | 4.4790 | -.5902  | 1.1578 | 36.2796 | 6.5505  | 1.15735 |
| 4700  | 4.4921 | -.6023  | 1.1650 | 36.4782 | 6.6074  | 1.16459 |
| 4800  | 4.5044 | -.6139  | 1.1715 | 36.6660 | 6.6556  | 1.17114 |
| 4900  | 4.5161 | -.6250  | 1.1775 | 36.8458 | 6.6980  | 1.17712 |
| 5000  | 4.5279 | -.6358  | 1.1829 | 37.0273 | 6.7441  | 1.18246 |
| 5100  | 4.5390 | -.6463  | 1.1882 | 37.1999 | 6.7826  | 1.18778 |
| 5200  | 4.5500 | -.6566  | 1.1934 | 37.3721 | 6.8229  | 1.19298 |
| 5300  | 4.5610 | -.6668  | 1.1986 | 37.5462 | 6.8669  | 1.19819 |
| 5400  | 4.5723 | -.6769  | 1.2039 | 37.7251 | 6.9170  | 1.20357 |
| 5500  | 4.5839 | -.6868  | 1.2096 | 37.9099 | 6.9746  | 1.20920 |
| 5600  | 4.5959 | -.6968  | 1.2156 | 38.1031 | 7.0416  | 1.21526 |
| 5700  | 4.6083 | -.7069  | 1.2221 | 38.3065 | 7.1195  | 1.22181 |
| 5800  | 4.6214 | -.7170  | 1.2293 | 38.5212 | 7.2097  | 1.22900 |
| 5900  | 4.6350 | -.7272  | 1.2373 | 38.7497 | 7.3140  | 1.23693 |
| 6000  | 4.6493 | -.7375  | 1.2460 | 38.9928 | 7.4331  | 1.24570 |
| 6100  | 4.6644 | -.7481  | 1.2557 | 39.2525 | 7.5686  | 1.25540 |
| 6200  | 4.6801 | -.7588  | 1.2665 | 39.5293 | 7.7214  | 1.26617 |
| 6300  | 4.6966 | -.7699  | 1.2784 | 39.8254 | 7.8928  | 1.27810 |
| 6400  | 4.7137 | -.7811  | 1.2915 | 40.1416 | 8.0827  | 1.29122 |
| 6500  | 4.7317 | -.7927  | 1.3060 | 40.4792 | 8.2935  | 1.30572 |
| 6600  | 4.7502 | -.8046  | 1.3219 | 40.8389 | 8.5251  | 1.32163 |
| 6700  | 4.7694 | -.8168  | 1.3392 | 41.2202 | 8.7764  | 1.33895 |
| 6800  | 4.7892 | -.8293  | 1.3581 | 41.6262 | 9.0500  | 1.35785 |
| 6900  | 4.8093 | -.8421  | 1.3785 | 42.0530 | 9.3428  | 1.37823 |
| 7000  | 4.8299 | -.8552  | 1.4005 | 42.5040 | 9.6569  | 1.40023 |
| 7100  | 4.8507 | -.8686  | 1.4239 | 42.9741 | 9.9881  | 1.42365 |
| 7200  | 4.8717 | -.8822  | 1.4488 | 43.4641 | 10.3359 | 1.44850 |
| 7300  | 4.8926 | -.8959  | 1.4748 | 43.9695 | 10.6964 | 1.47457 |
| 7400  | 4.9134 | -.9098  | 1.5022 | 44.4917 | 11.0701 | 1.50193 |
| 7500  | 4.9339 | -.9237  | 1.5304 | 45.0227 | 11.4498 | 1.53013 |
| 7600  | 4.9539 | -.9376  | 1.5593 | 45.5607 | 11.8337 | 1.55908 |
| 7700  | 4.9734 | -.9514  | 1.5886 | 46.0990 | 12.2150 | 1.58838 |
| 7800  | 4.9922 | -.9650  | 1.6181 | 46.6359 | 12.5917 | 1.61785 |
| 7900  | 5.0102 | -.9783  | 1.6474 | 47.1660 | 12.9592 | 1.64719 |
| 8000  | 5.0274 | -.9913  | 1.6763 | 47.6848 | 13.3130 | 1.67609 |
| 8100  | 5.0435 | -1.0039 | 1.7043 | 48.1863 | 13.6470 | 1.70412 |
| 8200  | 5.0587 | -1.0161 | 1.7314 | 48.6686 | 13.9600 | 1.73115 |
| 8300  | 5.0728 | -1.0277 | 1.7570 | 49.1271 | 14.2475 | 1.75681 |
| 8400  | 5.0859 | -1.0389 | 1.7813 | 49.5613 | 14.5095 | 1.78106 |
| 8500  | 5.0981 | -1.0495 | 1.8040 | 49.9702 | 14.7453 | 1.80380 |
| 8600  | 5.1092 | -1.0596 | 1.8250 | 50.3513 | 14.9527 | 1.82480 |
| 8700  | 5.1194 | -1.0692 | 1.8442 | 50.7050 | 15.1325 | 1.84408 |
| 8800  | 5.1288 | -1.0783 | 1.8619 | 51.0337 | 15.2875 | 1.86177 |
| 8900  | 5.1375 | -1.0870 | 1.8780 | 51.3388 | 15.4192 | 1.87791 |
| 9000  | 5.1454 | -1.0952 | 1.8926 | 51.6207 | 15.5280 | 1.89251 |
| 9100  | 5.1527 | -1.1030 | 1.9058 | 51.8822 | 15.6176 | 1.90576 |
| 9200  | 5.1594 | -1.1104 | 1.9177 | 52.1246 | 15.6888 | 1.91769 |
| 9300  | 5.1656 | -1.1176 | 1.9285 | 52.3498 | 15.7441 | 1.92846 |
| 9400  | 5.1714 | -1.1244 | 1.9382 | 52.5607 | 15.7864 | 1.93824 |
| 9500  | 5.1769 | -1.1310 | 1.9471 | 52.7593 | 15.8177 | 1.94715 |
| 9600  | 5.1820 | -1.1373 | 1.9552 | 52.9464 | 15.8391 | 1.95525 |
| 9700  | 5.1869 | -1.1434 | 1.9625 | 53.1239 | 15.8524 | 1.96267 |
| 9800  | 5.1915 | -1.1494 | 1.9693 | 53.2938 | 15.8596 | 1.96954 |
| 9900  | 5.1960 | -1.1552 | 1.9757 | 53.4569 | 15.8617 | 1.97591 |
| 10000 | 5.2003 | -1.1609 | 1.9816 | 53.6146 | 15.8600 | 1.98188 |
| 10100 | 5.2045 | -1.1664 | 1.9872 | 53.7683 | 15.8558 | 1.98756 |
| 10200 | 5.2086 | -1.1719 | 1.9925 | 53.9185 | 15.8499 | 1.99298 |
| 10300 | 5.2127 | -1.1772 | 1.9977 | 54.0666 | 15.8433 | 1.99822 |
| 10400 | 5.2167 | -1.1825 | 2.0027 | 54.2129 | 15.8365 | 2.00333 |
| 10500 | 5.2207 | -1.1877 | 2.0076 | 54.3581 | 15.8303 | 2.00835 |
| 10600 | 5.2247 | -1.1929 | 2.0125 | 54.5032 | 15.8253 | 2.01336 |
| 10700 | 5.2286 | -1.1980 | 2.0174 | 54.6483 | 15.8219 | 2.01836 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 10800 | 5.2327 | -1.2031 | 2.0223 | 54.7942 | 15.8206 | 2.02340 |
| 10900 | 5.2367 | -1.2082 | 2.0273 | 54.9413 | 15.8218 | 2.02854 |
| 11000 | 5.2408 | -1.2133 | 2.0324 | 55.0899 | 15.8259 | 2.03378 |
| 11100 | 5.2449 | -1.2183 | 2.0376 | 55.2404 | 15.8332 | 2.03916 |
| 11200 | 5.2491 | -1.2233 | 2.0430 | 55.3932 | 15.8440 | 2.04471 |
| 11300 | 5.2533 | -1.2284 | 2.0485 | 55.5485 | 15.8584 | 2.05044 |
| 11400 | 5.2577 | -1.2334 | 2.0543 | 55.7066 | 15.8768 | 2.05639 |
| 11500 | 5.2621 | -1.2385 | 2.0602 | 55.8681 | 15.8995 | 2.06258 |
| 11600 | 5.2666 | -1.2435 | 2.0664 | 56.0327 | 15.9264 | 2.06902 |
| 11700 | 5.2712 | -1.2486 | 2.0729 | 56.2011 | 15.9579 | 2.07575 |
| 11800 | 5.2758 | -1.2537 | 2.0796 | 56.3732 | 15.9940 | 2.08277 |
| 11900 | 5.2806 | -1.2589 | 2.0867 | 56.5494 | 16.0351 | 2.09009 |
| 12000 | 5.2855 | -1.2640 | 2.0940 | 56.7299 | 16.0812 | 2.09776 |
| 12100 | 5.2905 | -1.2692 | 2.1017 | 56.9147 | 16.1324 | 2.10577 |
| 12200 | 5.2956 | -1.2744 | 2.1097 | 57.1041 | 16.1888 | 2.11415 |
| 12300 | 5.3008 | -1.2797 | 2.1180 | 57.2962 | 16.2511 | 2.12290 |
| 12400 | 5.3061 | -1.2850 | 2.1269 | 57.4973 | 16.3178 | 2.13205 |
| 12500 | 5.3115 | -1.2904 | 2.1360 | 57.7015 | 16.3906 | 2.14161 |
| 12600 | 5.3170 | -1.2958 | 2.1455 | 57.9107 | 16.4690 | 2.15159 |
| 12700 | 5.3227 | -1.3012 | 2.1555 | 58.1254 | 16.5531 | 2.16200 |
| 12800 | 5.3284 | -1.3067 | 2.1658 | 58.3454 | 16.6429 | 2.17286 |
| 12900 | 5.3343 | -1.3122 | 2.1766 | 58.5710 | 16.7386 | 2.18419 |
| 13000 | 5.3403 | -1.3178 | 2.1879 | 58.8022 | 16.8403 | 2.19599 |
| 13100 | 5.3464 | -1.3235 | 2.1996 | 59.0390 | 16.9476 | 2.20826 |
| 13200 | 5.3526 | -1.3292 | 2.2117 | 59.2816 | 17.0610 | 2.22102 |
| 13300 | 5.3589 | -1.3349 | 2.2244 | 59.5302 | 17.1803 | 2.23430 |
| 13400 | 5.3653 | -1.3407 | 2.2375 | 59.7846 | 17.3056 | 2.24808 |
| 13500 | 5.3718 | -1.3466 | 2.2511 | 60.0450 | 17.4368 | 2.26238 |
| 13600 | 5.3784 | -1.3525 | 2.2652 | 60.3115 | 17.5741 | 2.27721 |
| 13700 | 5.3851 | -1.3585 | 2.2798 | 60.5838 | 17.7172 | 2.29256 |
| 13800 | 5.3919 | -1.3645 | 2.2949 | 60.8622 | 17.8662 | 2.30845 |
| 13900 | 5.3988 | -1.3706 | 2.3105 | 61.1464 | 18.0208 | 2.32487 |
| 14000 | 5.4058 | -1.3767 | 2.3266 | 61.4401 | 18.1848 | 2.34183 |
| 14100 | 5.4128 | -1.3829 | 2.3433 | 61.7327 | 18.3474 | 2.35934 |
| 14200 | 5.4199 | -1.3891 | 2.3604 | 62.0348 | 18.5192 | 2.37740 |
| 14300 | 5.4271 | -1.3954 | 2.3781 | 62.3424 | 18.6962 | 2.39598 |
| 14400 | 5.4343 | -1.4018 | 2.3963 | 62.6560 | 18.8789 | 2.41512 |
| 14500 | 5.4416 | -1.4081 | 2.4150 | 62.9749 | 19.0666 | 2.43478 |
| 14600 | 5.4490 | -1.4146 | 2.4342 | 63.2989 | 19.2589 | 2.45495 |
| 14700 | 5.4564 | -1.4210 | 2.4539 | 63.6286 | 19.4564 | 2.47566 |
| 14800 | 5.4638 | -1.4275 | 2.4740 | 63.9633 | 19.6585 | 2.49687 |
| 14900 | 5.4713 | -1.4341 | 2.4947 | 64.3026 | 19.8647 | 2.51856 |
| 15000 | 5.4788 | -1.4406 | 2.5158 | 64.6466 | 20.0752 | 2.54075 |

LOG P= .8

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 200  | 2.8367  | .9416   | .9856  | 20.6217 | 3.4331 | 1.00000 |
| 300  | 3.0181  | .7598   | .9988  | 22.0657 | 3.4749 | 1.00000 |
| 400  | 3.1448  | .6336   | 1.0017 | 23.0823 | 3.4897 | 1.00000 |
| 500  | 3.2437  | .5365   | 1.0023 | 23.8725 | 3.5051 | 1.00000 |
| 600  | 3.3255  | .4572   | 1.0025 | 24.5419 | 3.5263 | 1.00000 |
| 700  | 3.3956  | .3902   | 1.0025 | 25.1124 | 3.5524 | 1.00000 |
| 800  | 3.4572  | .3323   | 1.0025 | 25.6119 | 3.5821 | 1.00000 |
| 900  | 3.5122  | .2812   | 1.0022 | 26.0708 | 3.6140 | 1.00000 |
| 1000 | 3.5619  | .2355   | 1.0022 | 26.4868 | 3.6471 | 1.00000 |
| 1100 | 3.6073  | .1942   | 1.0020 | 26.8746 | 3.6806 | 1.00000 |
| 1200 | 3.6490  | .1564   | 1.0018 | 27.2247 | 3.7139 | 1.00000 |
| 1300 | 3.6876  | .1217   | 1.0017 | 27.5516 | 3.7468 | 1.00000 |
| 1400 | 3.7235  | .0896   | 1.0016 | 27.8600 | 3.7792 | 1.00000 |
| 1500 | 3.7571  | .0596   | 1.0016 | 28.1605 | 3.8112 | 1.00000 |
| 1500 | 3.7571  | .0594   | 1.0016 | 28.1628 | 3.8109 | .99999  |
| 1600 | 3.7886  | .0314   | 1.0015 | 28.4417 | 3.8432 | .99999  |
| 1700 | 3.8188  | .0051   | 1.0014 | 28.7074 | 3.8752 | .99999  |

|      |        |        |        |         |         |         |
|------|--------|--------|--------|---------|---------|---------|
| 1800 | 3.8471 | -.0197 | 1.0014 | 28.9616 | 3.9065  | .99999  |
| 1900 | 3.8741 | -.0432 | 1.0013 | 29.2056 | 3.9386  | 1.00001 |
| 2000 | 3.8999 | -.0654 | 1.0013 | 29.4408 | 3.9711  | 1.00004 |
| 2100 | 3.9247 | -.0866 | 1.0013 | 29.6684 | 4.0038  | 1.00010 |
| 2200 | 3.9487 | -.1069 | 1.0014 | 29.8895 | 4.0386  | 1.00022 |
| 2300 | 3.9718 | -.1262 | 1.0015 | 30.1056 | 4.0740  | 1.00042 |
| 2400 | 3.9943 | -.1448 | 1.0018 | 30.3181 | 4.1121  | 1.00074 |
| 2500 | 4.0164 | -.1628 | 1.0022 | 30.5285 | 4.1542  | 1.00124 |
| 2600 | 4.0383 | -.1801 | 1.0030 | 30.7385 | 4.2003  | 1.00200 |
| 2700 | 4.0599 | -.1970 | 1.0040 | 30.9499 | 4.2517  | 1.00310 |
| 2800 | 4.0818 | -.2134 | 1.0055 | 31.1646 | 4.3113  | 1.00462 |
| 2900 | 4.1038 | -.2295 | 1.0076 | 31.3846 | 4.3788  | 1.00670 |
| 3000 | 4.1263 | -.2454 | 1.0103 | 31.6145 | 4.4587  | 1.00945 |
| 3100 | 4.1491 | -.2612 | 1.0138 | 31.8506 | 4.5476  | 1.01299 |
| 3200 | 4.1724 | -.2768 | 1.0182 | 32.0969 | 4.6477  | 1.01743 |
| 3300 | 4.1962 | -.2925 | 1.0236 | 32.3543 | 4.7603  | 1.02287 |
| 3400 | 4.2204 | -.3082 | 1.0301 | 32.6233 | 4.8858  | 1.02939 |
| 3500 | 4.2449 | -.3240 | 1.0377 | 32.9032 | 5.0217  | 1.03702 |
| 3600 | 4.2697 | -.3399 | 1.0464 | 33.1933 | 5.1685  | 1.04574 |
| 3700 | 4.2943 | -.3558 | 1.0561 | 33.4907 | 5.3218  | 1.05546 |
| 3800 | 4.3186 | -.3717 | 1.0667 | 33.7927 | 5.4804  | 1.06603 |
| 3900 | 4.3423 | -.3875 | 1.0779 | 34.0956 | 5.6387  | 1.07724 |
| 4000 | 4.3649 | -.4031 | 1.0894 | 34.3947 | 5.7928  | 1.08878 |
| 4100 | 4.3865 | -.4184 | 1.1010 | 34.6862 | 5.9395  | 1.10041 |
| 4200 | 4.4068 | -.4333 | 1.1124 | 34.9660 | 6.0743  | 1.11177 |
| 4300 | 4.4256 | -.4478 | 1.1232 | 35.2311 | 6.1956  | 1.12261 |
| 4400 | 4.4428 | -.4617 | 1.1333 | 35.4802 | 6.3007  | 1.13277 |
| 4500 | 4.4588 | -.4750 | 1.1427 | 35.7133 | 6.3916  | 1.14213 |
| 4600 | 4.4735 | -.4877 | 1.1512 | 35.9305 | 6.4672  | 1.15063 |
| 4700 | 4.4871 | -.5000 | 1.1588 | 36.1340 | 6.5307  | 1.15832 |
| 4800 | 4.4998 | -.5117 | 1.1658 | 36.3259 | 6.5846  | 1.16528 |
| 4900 | 4.5118 | -.5230 | 1.1721 | 36.5087 | 6.6314  | 1.17163 |
| 5000 | 4.5238 | -.5339 | 1.1778 | 36.6918 | 6.6805  | 1.17726 |
| 5100 | 4.5350 | -.5445 | 1.1833 | 36.8646 | 6.7203  | 1.18279 |
| 5200 | 4.5460 | -.5549 | 1.1886 | 37.0354 | 6.7604  | 1.18813 |
| 5300 | 4.5570 | -.5651 | 1.1938 | 37.2066 | 6.8028  | 1.19338 |
| 5400 | 4.5681 | -.5751 | 1.1992 | 37.3810 | 6.8495  | 1.19871 |
| 5500 | 4.5794 | -.5851 | 1.2046 | 37.5595 | 6.9022  | 1.20420 |
| 5600 | 4.5910 | -.5950 | 1.2104 | 37.7449 | 6.9627  | 1.21001 |
| 5700 | 4.6030 | -.6049 | 1.2166 | 37.9387 | 7.0324  | 1.21622 |
| 5800 | 4.6155 | -.6148 | 1.2234 | 38.1419 | 7.1127  | 1.22294 |
| 5900 | 4.6285 | -.6249 | 1.2307 | 38.3570 | 7.2055  | 1.23031 |
| 6000 | 4.6421 | -.6350 | 1.2388 | 38.5848 | 7.3112  | 1.23839 |
| 6100 | 4.6564 | -.6453 | 1.2477 | 38.8271 | 7.4314  | 1.24730 |
| 6200 | 4.6713 | -.6558 | 1.2575 | 39.0845 | 7.5671  | 1.25713 |
| 6300 | 4.6869 | -.6664 | 1.2684 | 39.3590 | 7.7196  | 1.26800 |
| 6400 | 4.7032 | -.6774 | 1.2803 | 39.6516 | 7.8888  | 1.27994 |
| 6500 | 4.7202 | -.6885 | 1.2935 | 39.9634 | 8.0771  | 1.29311 |
| 6600 | 4.7378 | -.7000 | 1.3079 | 40.2954 | 8.2843  | 1.30757 |
| 6700 | 4.7560 | -.7117 | 1.3237 | 40.6472 | 8.5100  | 1.32332 |
| 6800 | 4.7748 | -.7238 | 1.3409 | 41.0219 | 8.7565  | 1.34052 |
| 6900 | 4.7941 | -.7361 | 1.3595 | 41.4162 | 9.0213  | 1.35911 |
| 7000 | 4.8139 | -.7487 | 1.3796 | 41.8337 | 9.3066  | 1.37924 |
| 7100 | 4.8339 | -.7616 | 1.4011 | 42.2699 | 9.6092  | 1.40075 |
| 7200 | 4.8542 | -.7747 | 1.4240 | 42.7262 | 9.9288  | 1.42368 |
| 7300 | 4.8746 | -.7880 | 1.4482 | 43.1989 | 10.2624 | 1.44787 |
| 7400 | 4.8950 | -.8015 | 1.4737 | 43.6900 | 10.6111 | 1.47341 |
| 7500 | 4.9152 | -.8151 | 1.5003 | 44.1927 | 10.9688 | 1.49996 |
| 7600 | 4.9352 | -.8287 | 1.5278 | 44.7057 | 11.3342 | 1.52746 |
| 7700 | 4.9547 | -.8423 | 1.5558 | 45.2234 | 11.7015 | 1.55554 |
| 7800 | 4.9738 | -.8558 | 1.5844 | 45.7444 | 12.0689 | 1.58410 |
| 7900 | 4.9922 | -.8692 | 1.6132 | 46.2640 | 12.4324 | 1.61286 |
| 8000 | 5.0099 | -.8823 | 1.6418 | 46.7779 | 12.7877 | 1.64154 |
| 8100 | 5.0267 | -.8951 | 1.6700 | 47.2801 | 13.1290 | 1.66972 |
| 8200 | 5.0427 | -.9075 | 1.6975 | 47.7686 | 13.4546 | 1.69726 |
| 8300 | 5.0577 | -.9195 | 1.7240 | 48.2382 | 13.7592 | 1.72377 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 8400  | 5.0717 | -.9310  | 1.7494 | 48.6878 | 14.0425 | 1.74918 |
| 8500  | 5.0848 | -.9421  | 1.7736 | 49.1157 | 14.3027 | 1.77332 |
| 8600  | 5.0970 | -.9527  | 1.7962 | 49.5184 | 14.5366 | 1.79592 |
| 8700  | 5.1081 | -.9628  | 1.8171 | 49.8951 | 14.7440 | 1.81691 |
| 8800  | 5.1185 | -.9724  | 1.8366 | 50.2478 | 14.9273 | 1.83638 |
| 8900  | 5.1280 | -.9815  | 1.8545 | 50.5770 | 15.0869 | 1.85434 |
| 9000  | 5.1367 | -.9901  | 1.8709 | 50.8821 | 15.2227 | 1.87072 |
| 9100  | 5.1448 | -.9984  | 1.8858 | 51.1661 | 15.3378 | 1.88569 |
| 9200  | 5.1522 | -1.0063 | 1.8994 | 51.4291 | 15.4327 | 1.89924 |
| 9300  | 5.1591 | -1.0137 | 1.9116 | 51.6733 | 15.5097 | 1.91152 |
| 9400  | 5.1655 | -1.0209 | 1.9227 | 51.9015 | 15.5716 | 1.92269 |
| 9500  | 5.1714 | -1.0278 | 1.9329 | 52.1154 | 15.6205 | 1.93286 |
| 9600  | 5.1770 | -1.0344 | 1.9421 | 52.3161 | 15.6574 | 1.94209 |
| 9700  | 5.1822 | -1.0408 | 1.9504 | 52.5051 | 15.6841 | 1.95052 |
| 9800  | 5.1872 | -1.0469 | 1.9581 | 52.6849 | 15.7029 | 1.95826 |
| 9900  | 5.1919 | -1.0529 | 1.9652 | 52.8562 | 15.7147 | 1.96540 |
| 10000 | 5.1965 | -1.0587 | 1.9718 | 53.0205 | 15.7210 | 1.97201 |
| 10100 | 5.2009 | -1.0644 | 1.9779 | 53.1793 | 15.7234 | 1.97823 |
| 10200 | 5.2051 | -1.0699 | 1.9837 | 53.3333 | 15.7224 | 1.98409 |
| 10300 | 5.2093 | -1.0754 | 1.9892 | 53.4838 | 15.7196 | 1.98968 |
| 10400 | 5.2134 | -1.0807 | 1.9945 | 53.6313 | 15.7153 | 1.99505 |
| 10500 | 5.2174 | -1.0860 | 1.9996 | 53.7767 | 15.7103 | 2.00026 |
| 10600 | 5.2214 | -1.0912 | 2.0046 | 53.9209 | 15.7056 | 2.00537 |
| 10700 | 5.2253 | -1.0963 | 2.0096 | 54.0642 | 15.7015 | 2.01040 |
| 10800 | 5.2293 | -1.1014 | 2.0144 | 54.2074 | 15.6985 | 2.01542 |
| 10900 | 5.2333 | -1.1065 | 2.0194 | 54.3508 | 15.6974 | 2.02046 |
| 11000 | 5.2372 | -1.1115 | 2.0243 | 54.4950 | 15.6982 | 2.02555 |
| 11100 | 5.2413 | -1.1165 | 2.0293 | 54.6403 | 15.7013 | 2.03071 |
| 11200 | 5.2453 | -1.1215 | 2.0344 | 54.7871 | 15.7073 | 2.03600 |
| 11300 | 5.2494 | -1.1265 | 2.0396 | 54.9357 | 15.7163 | 2.04140 |
| 11400 | 5.2536 | -1.1315 | 2.0450 | 55.0864 | 15.7285 | 2.04698 |
| 11500 | 5.2578 | -1.1364 | 2.0506 | 55.2398 | 15.7445 | 2.05275 |
| 11600 | 5.2621 | -1.1414 | 2.0563 | 55.3957 | 15.7639 | 2.05872 |
| 11700 | 5.2665 | -1.1464 | 2.0623 | 55.5546 | 15.7875 | 2.06493 |
| 11800 | 5.2710 | -1.1514 | 2.0685 | 55.7166 | 15.8150 | 2.07137 |
| 11900 | 5.2755 | -1.1564 | 2.0749 | 55.8821 | 15.8470 | 2.07808 |
| 12000 | 5.2801 | -1.1614 | 2.0816 | 56.0512 | 15.8832 | 2.08509 |
| 12100 | 5.2848 | -1.1665 | 2.0886 | 56.2240 | 15.9241 | 2.09239 |
| 12200 | 5.2897 | -1.1716 | 2.0958 | 56.4008 | 15.9696 | 2.10000 |
| 12300 | 5.2946 | -1.1767 | 2.1034 | 56.5801 | 16.0203 | 2.10795 |
| 12400 | 5.2996 | -1.1818 | 2.1113 | 56.7668 | 16.0751 | 2.11624 |
| 12500 | 5.3047 | -1.1870 | 2.1196 | 56.9565 | 16.1353 | 2.12491 |
| 12600 | 5.3099 | -1.1922 | 2.1282 | 57.1506 | 16.2007 | 2.13393 |
| 12700 | 5.3152 | -1.1975 | 2.1372 | 57.3495 | 16.2712 | 2.14335 |
| 12800 | 5.3207 | -1.2028 | 2.1465 | 57.5530 | 16.3469 | 2.15317 |
| 12900 | 5.3262 | -1.2081 | 2.1562 | 57.7617 | 16.4280 | 2.16340 |
| 13000 | 5.3318 | -1.2135 | 2.1663 | 57.9752 | 16.5144 | 2.17406 |
| 13100 | 5.3375 | -1.2190 | 2.1769 | 58.1938 | 16.6061 | 2.18513 |
| 13200 | 5.3434 | -1.2244 | 2.1878 | 58.4176 | 16.7033 | 2.19666 |
| 13300 | 5.3493 | -1.2300 | 2.1992 | 58.6468 | 16.8061 | 2.20866 |
| 13400 | 5.3554 | -1.2355 | 2.2110 | 58.8812 | 16.9143 | 2.22111 |
| 13500 | 5.3615 | -1.2412 | 2.2232 | 59.1211 | 17.0280 | 2.23402 |
| 13600 | 5.3677 | -1.2469 | 2.2359 | 59.3666 | 17.1473 | 2.24744 |
| 13700 | 5.3741 | -1.2526 | 2.2491 | 59.6174 | 17.2721 | 2.26132 |
| 13800 | 5.3805 | -1.2584 | 2.2627 | 59.8737 | 17.4023 | 2.27570 |
| 13900 | 5.3870 | -1.2642 | 2.2768 | 60.1355 | 17.5379 | 2.29057 |
| 14000 | 5.3937 | -1.2701 | 2.2914 | 60.4059 | 17.6822 | 2.30595 |
| 14100 | 5.4003 | -1.2760 | 2.3064 | 60.6756 | 17.8256 | 2.32184 |
| 14200 | 5.4070 | -1.2820 | 2.3219 | 60.9539 | 17.9774 | 2.33823 |
| 14300 | 5.4138 | -1.2880 | 2.3379 | 61.2375 | 18.1343 | 2.35512 |
| 14400 | 5.4207 | -1.2941 | 2.3544 | 61.5269 | 18.2967 | 2.37254 |
| 14500 | 5.4277 | -1.3002 | 2.3713 | 61.8212 | 18.4640 | 2.39046 |
| 14600 | 5.4347 | -1.3064 | 2.3887 | 62.1205 | 18.6358 | 2.40885 |
| 14700 | 5.4418 | -1.3126 | 2.4067 | 62.4254 | 18.8128 | 2.42777 |
| 14800 | 5.4489 | -1.3188 | 2.4250 | 62.7351 | 18.9943 | 2.44719 |
| 14900 | 5.4560 | -1.3251 | 2.4438 | 63.0495 | 19.1802 | 2.46707 |

15000 5.4632 -1.3314 2.4631 63.3685 19.3703 2.48744

LOG P= .9

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 200  | 2.8350  | 1.0434  | .9817  | 20.3814 | 3.4192 | 1.00000 |
| 300  | 3.0176  | .8600   | .9983  | 21.8320 | 3.4710 | 1.00000 |
| 400  | 3.1447  | .7334   | 1.0021 | 22.8508 | 3.4883 | 1.00000 |
| 500  | 3.2436  | .6362   | 1.0028 | 23.6424 | 3.5045 | 1.00000 |
| 600  | 3.3255  | .5569   | 1.0032 | 24.3088 | 3.5262 | 1.00000 |
| 700  | 3.3956  | .4900   | 1.0031 | 24.8821 | 3.5525 | 1.00000 |
| 800  | 3.4572  | .4320   | 1.0031 | 25.3847 | 3.5823 | 1.00000 |
| 900  | 3.5123  | .3809   | 1.0029 | 25.8421 | 3.6143 | 1.00000 |
| 1000 | 3.5620  | .3353   | 1.0027 | 26.2584 | 3.6474 | 1.00000 |
| 1100 | 3.6073  | .2940   | 1.0025 | 26.6429 | 3.6808 | 1.00000 |
| 1200 | 3.6491  | .2562   | 1.0023 | 26.9916 | 3.7143 | 1.00000 |
| 1300 | 3.6876  | .2215   | 1.0022 | 27.3231 | 3.7471 | 1.00000 |
| 1400 | 3.7236  | .1894   | 1.0020 | 27.6324 | 3.7796 | 1.00000 |
| 1500 | 3.7572  | .1595   | 1.0020 | 27.9315 | 3.8115 | 1.00000 |
| 1500 | 3.7572  | .1592   | 1.0020 | 27.9325 | 3.8113 | .99999  |
| 1600 | 3.7889  | .1312   | 1.0019 | 28.2114 | 3.8436 | .99999  |
| 1700 | 3.8188  | .1049   | 1.0018 | 28.4771 | 3.8755 | .99999  |
| 1800 | 3.8471  | .0801   | 1.0017 | 28.7312 | 3.9068 | .99999  |
| 1900 | 3.8741  | .0567   | 1.0016 | 28.9753 | 3.9388 | 1.00001 |
| 2000 | 3.9000  | .0344   | 1.0016 | 29.2103 | 3.9712 | 1.00003 |
| 2100 | 3.9247  | .0132   | 1.0016 | 29.4377 | 4.0037 | 1.00009 |
| 2200 | 3.9486  | -.0070  | 1.0016 | 29.6585 | 4.0382 | 1.00019 |
| 2300 | 3.9716  | -.0263  | 1.0017 | 29.8740 | 4.0730 | 1.00036 |
| 2400 | 3.9941  | -.0449  | 1.0020 | 30.0856 | 4.1102 | 1.00066 |
| 2500 | 4.0161  | -.0628  | 1.0024 | 30.2946 | 4.1511 | 1.00110 |
| 2600 | 4.0378  | -.0801  | 1.0030 | 30.5026 | 4.1955 | 1.00178 |
| 2700 | 4.0592  | -.0969  | 1.0039 | 30.7113 | 4.2444 | 1.00276 |
| 2800 | 4.0807  | -.1133  | 1.0052 | 30.9225 | 4.3006 | 1.00412 |
| 2900 | 4.1023  | -.1293  | 1.0071 | 31.1378 | 4.3640 | 1.00598 |
| 3000 | 4.1244  | -.1451  | 1.0095 | 31.3618 | 4.4386 | 1.00844 |
| 3100 | 4.1466  | -.1607  | 1.0126 | 31.5907 | 4.5210 | 1.01161 |
| 3200 | 4.1692  | -.1761  | 1.0166 | 31.8285 | 4.6134 | 1.01559 |
| 3300 | 4.1922  | -.1916  | 1.0214 | 32.0759 | 4.7174 | 1.02049 |
| 3400 | 4.2157  | -.2070  | 1.0273 | 32.3339 | 4.8332 | 1.02639 |
| 3500 | 4.2395  | -.2225  | 1.0342 | 32.6019 | 4.9589 | 1.03332 |
| 3600 | 4.2635  | -.2381  | 1.0422 | 32.8796 | 5.0953 | 1.04129 |
| 3700 | 4.2874  | -.2537  | 1.0511 | 33.1648 | 5.2386 | 1.05024 |
| 3800 | 4.3112  | -.2693  | 1.0609 | 33.4555 | 5.3881 | 1.06006 |
| 3900 | 4.3345  | -.2849  | 1.0714 | 33.7485 | 5.5391 | 1.07059 |
| 4000 | 4.3570  | -.3003  | 1.0824 | 34.0399 | 5.6880 | 1.08159 |
| 4100 | 4.3786  | -.3155  | 1.0936 | 34.3263 | 5.8322 | 1.09281 |
| 4200 | 4.3990  | -.3303  | 1.1047 | 34.6036 | 5.9671 | 1.10396 |
| 4300 | 4.4182  | -.3448  | 1.1155 | 34.8689 | 6.0911 | 1.11478 |
| 4400 | 4.4359  | -.3588  | 1.1258 | 35.1202 | 6.2008 | 1.12507 |
| 4500 | 4.4524  | -.3722  | 1.1354 | 35.3570 | 6.2976 | 1.13471 |
| 4600 | 4.4676  | -.3851  | 1.1442 | 35.5788 | 6.3798 | 1.14356 |
| 4700 | 4.4816  | -.3975  | 1.1523 | 35.7869 | 6.4497 | 1.15165 |
| 4800 | 4.4948  | -.4094  | 1.1597 | 35.9829 | 6.5093 | 1.15902 |
| 4900 | 4.5072  | -.4209  | 1.1664 | 36.1691 | 6.5610 | 1.16574 |
| 5000 | 4.5194  | -.4319  | 1.1723 | 36.3545 | 6.6137 | 1.17169 |
| 5100 | 4.5308  | -.4426  | 1.1781 | 36.5281 | 6.6557 | 1.17748 |
| 5200 | 4.5419  | -.4531  | 1.1836 | 36.6986 | 6.6966 | 1.18299 |
| 5300 | 4.5528  | -.4633  | 1.1889 | 36.8678 | 6.7383 | 1.18835 |
| 5400 | 4.5638  | -.4734  | 1.1943 | 37.0388 | 6.7829 | 1.19369 |
| 5500 | 4.5749  | -.4833  | 1.1997 | 37.2123 | 6.8319 | 1.19910 |
| 5600 | 4.5862  | -.4931  | 1.2053 | 37.3912 | 6.8871 | 1.20474 |
| 5700 | 4.5979  | -.5030  | 1.2112 | 37.5768 | 6.9500 | 1.21068 |
| 5800 | 4.6099  | -.5128  | 1.2176 | 37.7701 | 7.0220 | 1.21704 |
| 5900 | 4.6224  | -.5226  | 1.2244 | 37.9735 | 7.1047 | 1.22393 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 6000  | 4.6354 | -.5326  | 1.2319 | 38.1879 | 7.1987  | 1.23144 |
| 6100  | 4.6490 | -.5427  | 1.2401 | 38.4149 | 7.3055  | 1.23964 |
| 6200  | 4.6632 | -.5529  | 1.2492 | 38.6549 | 7.4262  | 1.24866 |
| 6300  | 4.6780 | -.5632  | 1.2591 | 38.9102 | 7.5618  | 1.25860 |
| 6400  | 4.6934 | -.5738  | 1.2699 | 39.1816 | 7.7124  | 1.26948 |
| 6500  | 4.7095 | -.5846  | 1.2819 | 39.4702 | 7.8803  | 1.28146 |
| 6600  | 4.7262 | -.5957  | 1.2951 | 39.7770 | 8.0655  | 1.29461 |
| 6700  | 4.7435 | -.6070  | 1.3094 | 40.1018 | 8.2677  | 1.30893 |
| 6800  | 4.7614 | -.6186  | 1.3250 | 40.4477 | 8.4891  | 1.32458 |
| 6900  | 4.7798 | -.6304  | 1.3419 | 40.8118 | 8.7279  | 1.34152 |
| 7000  | 4.7987 | -.6426  | 1.3603 | 41.1978 | 8.9861  | 1.35989 |
| 7100  | 4.8179 | -.6550  | 1.3800 | 41.6017 | 9.2612  | 1.37959 |
| 7200  | 4.8375 | -.6676  | 1.4011 | 42.0254 | 9.5532  | 1.40066 |
| 7300  | 4.8572 | -.6805  | 1.4234 | 42.4660 | 9.8600  | 1.42299 |
| 7400  | 4.8771 | -.6936  | 1.4471 | 42.9255 | 10.1828 | 1.44671 |
| 7500  | 4.8969 | -.7068  | 1.4719 | 43.3982 | 10.5165 | 1.47149 |
| 7600  | 4.9167 | -.7201  | 1.4977 | 43.8836 | 10.8603 | 1.49736 |
| 7700  | 4.9361 | -.7334  | 1.5244 | 44.3769 | 11.2095 | 1.52399 |
| 7800  | 4.9552 | -.7468  | 1.5517 | 44.8772 | 11.5627 | 1.55133 |
| 7900  | 4.9738 | -.7600  | 1.5795 | 45.3805 | 11.9165 | 1.57915 |
| 8000  | 4.9918 | -.7731  | 1.6076 | 45.8832 | 12.2673 | 1.60720 |
| 8100  | 5.0092 | -.7860  | 1.6354 | 46.3795 | 12.6092 | 1.63509 |
| 8200  | 5.0258 | -.7986  | 1.6631 | 46.8674 | 12.9406 | 1.66271 |
| 8300  | 5.0415 | -.8108  | 1.6900 | 47.3417 | 13.2560 | 1.68964 |
| 8400  | 5.0564 | -.8227  | 1.7161 | 47.8008 | 13.5545 | 1.71579 |
| 8500  | 5.0704 | -.8341  | 1.7413 | 48.2422 | 13.8339 | 1.74096 |
| 8600  | 5.0834 | -.8451  | 1.7651 | 48.6618 | 14.0900 | 1.76484 |
| 8700  | 5.0955 | -.8556  | 1.7876 | 49.0580 | 14.3220 | 1.78729 |
| 8800  | 5.1068 | -.8657  | 1.8087 | 49.4321 | 14.5313 | 1.80838 |
| 8900  | 5.1172 | -.8753  | 1.8283 | 49.7837 | 14.7178 | 1.82804 |
| 9000  | 5.1269 | -.8844  | 1.8464 | 50.1117 | 14.8804 | 1.84615 |
| 9100  | 5.1358 | -.8931  | 1.8631 | 50.4182 | 15.0217 | 1.86287 |
| 9200  | 5.1440 | -.9014  | 1.8783 | 50.7031 | 15.1417 | 1.87812 |
| 9300  | 5.1515 | -.9093  | 1.8922 | 50.9679 | 15.2423 | 1.89201 |
| 9400  | 5.1586 | -.9168  | 1.9049 | 51.2152 | 15.3262 | 1.90472 |
| 9500  | 5.1651 | -.9241  | 1.9164 | 51.4468 | 15.3952 | 1.91632 |
| 9600  | 5.1712 | -.9310  | 1.9269 | 51.6632 | 15.4501 | 1.92686 |
| 9700  | 5.1769 | -.9376  | 1.9365 | 51.8662 | 15.4927 | 1.93646 |
| 9800  | 5.1823 | -.9441  | 1.9452 | 52.0583 | 15.5257 | 1.94527 |
| 9900  | 5.1874 | -.9503  | 1.9532 | 52.2400 | 15.5497 | 1.95334 |
| 10000 | 5.1922 | -.9563  | 1.9606 | 52.4131 | 15.5663 | 1.96076 |
| 10100 | 5.1968 | -.9621  | 1.9675 | 52.5792 | 15.5775 | 1.96768 |
| 10200 | 5.2013 | -.9678  | 1.9739 | 52.7390 | 15.5838 | 1.97413 |
| 10300 | 5.2056 | -.9733  | 1.9799 | 52.8940 | 15.5867 | 1.98023 |
| 10400 | 5.2098 | -.9788  | 1.9856 | 53.0447 | 15.5869 | 1.98600 |
| 10500 | 5.2139 | -.9841  | 1.9910 | 53.1921 | 15.5851 | 1.99152 |
| 10600 | 5.2179 | -.9894  | 1.9962 | 53.3372 | 15.5825 | 1.99636 |
| 10700 | 5.2219 | -.9946  | 2.0013 | 53.4803 | 15.5793 | 2.00206 |
| 10800 | 5.2259 | -.9997  | 2.0063 | 53.6223 | 15.5764 | 2.00716 |
| 10900 | 5.2298 | -1.0047 | 2.0112 | 53.7638 | 15.5743 | 2.01222 |
| 11000 | 5.2338 | -1.0098 | 2.0161 | 53.9051 | 15.5733 | 2.01726 |
| 11100 | 5.2377 | -1.0148 | 2.0210 | 54.0466 | 15.5740 | 2.02232 |
| 11200 | 5.2417 | -1.0197 | 2.0260 | 54.1890 | 15.5767 | 2.02744 |
| 11300 | 5.2457 | -1.0246 | 2.0310 | 54.3323 | 15.5816 | 2.03263 |
| 11400 | 5.2497 | -1.0296 | 2.0361 | 54.4772 | 15.5891 | 2.03794 |
| 11500 | 5.2538 | -1.0345 | 2.0414 | 54.6239 | 15.5997 | 2.04339 |
| 11600 | 5.2580 | -1.0394 | 2.0468 | 54.7725 | 15.6131 | 2.04899 |
| 11700 | 5.2622 | -1.0443 | 2.0523 | 54.9235 | 15.6300 | 2.05477 |
| 11800 | 5.2664 | -1.0492 | 2.0580 | 55.0769 | 15.6504 | 2.06075 |
| 11900 | 5.2707 | -1.0541 | 2.0640 | 55.2333 | 15.6745 | 2.06695 |
| 12000 | 5.2752 | -1.0590 | 2.0701 | 55.3925 | 15.7025 | 2.07339 |
| 12100 | 5.2796 | -1.0640 | 2.0765 | 55.5548 | 15.7344 | 2.08009 |
| 12200 | 5.2842 | -1.0689 | 2.0831 | 55.7206 | 15.7705 | 2.08705 |
| 12300 | 5.2889 | -1.0739 | 2.0900 | 55.8891 | 15.8110 | 2.09430 |
| 12400 | 5.2936 | -1.0789 | 2.0972 | 56.0627 | 15.8555 | 2.10185 |
| 12500 | 5.2984 | -1.0840 | 2.1047 | 56.2394 | 15.9048 | 2.10971 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 12600 | 5.3034 | -1.0890 | 2.1125 | 56.4201 | 15.9585 | 2.11791 |
| 12700 | 5.3084 | -1.0941 | 2.1206 | 56.6050 | 16.0170 | 2.12644 |
| 12800 | 5.3135 | -1.0992 | 2.1290 | 56.7940 | 16.0801 | 2.13534 |
| 12900 | 5.3187 | -1.1044 | 2.1378 | 56.9874 | 16.1482 | 2.14460 |
| 13000 | 5.3240 | -1.1096 | 2.1469 | 57.1852 | 16.2210 | 2.15424 |
| 13100 | 5.3294 | -1.1149 | 2.1564 | 57.3875 | 16.2987 | 2.16426 |
| 13200 | 5.3349 | -1.1201 | 2.1662 | 57.5945 | 16.3814 | 2.17468 |
| 13300 | 5.3405 | -1.1255 | 2.1765 | 57.8062 | 16.4692 | 2.18551 |
| 13400 | 5.3462 | -1.1308 | 2.1871 | 58.0227 | 16.5620 | 2.19677 |
| 13500 | 5.3520 | -1.1362 | 2.1981 | 58.2441 | 16.6599 | 2.20844 |
| 13600 | 5.3579 | -1.1417 | 2.2096 | 58.4705 | 16.7630 | 2.22057 |
| 13700 | 5.3639 | -1.1472 | 2.2214 | 58.7017 | 16.8710 | 2.23313 |
| 13800 | 5.3699 | -1.1528 | 2.2337 | 58.9380 | 16.9842 | 2.24614 |
| 13900 | 5.3761 | -1.1584 | 2.2464 | 59.1793 | 17.1024 | 2.25960 |
| 14000 | 5.3824 | -1.1640 | 2.2595 | 59.4284 | 17.2285 | 2.27352 |
| 14100 | 5.3886 | -1.1697 | 2.2731 | 59.6771 | 17.3542 | 2.28792 |
| 14200 | 5.3950 | -1.1754 | 2.2871 | 59.9336 | 17.4876 | 2.30278 |
| 14300 | 5.4015 | -1.1812 | 2.3015 | 60.1950 | 17.6258 | 2.31811 |
| 14400 | 5.4080 | -1.1870 | 2.3164 | 60.4618 | 17.7693 | 2.33393 |
| 14500 | 5.4146 | -1.1929 | 2.3318 | 60.7334 | 17.9173 | 2.35022 |
| 14600 | 5.4213 | -1.1988 | 2.3476 | 61.0096 | 18.0699 | 2.36696 |
| 14700 | 5.4281 | -1.2048 | 2.3638 | 61.2911 | 18.2275 | 2.38420 |
| 14800 | 5.4348 | -1.2108 | 2.3805 | 61.5774 | 18.3897 | 2.40192 |
| 14900 | 5.4417 | -1.2168 | 2.3976 | 61.8681 | 18.5561 | 2.42008 |
| 15000 | 5.4486 | -1.2229 | 2.4151 | 62.1634 | 18.7267 | 2.43872 |

LOG P= 1.0

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 200  | 2.8327  | 1.1456  | .9767  | 20.1382 | 3.4013 | 1.00000 |
| 300  | 3.0169  | .9603   | .9977  | 21.5973 | 3.4658 | 1.00000 |
| 400  | 3.1445  | .8332   | 1.0025 | 22.6185 | 3.4868 | 1.00000 |
| 500  | 3.2435  | .7359   | 1.0036 | 23.4077 | 3.5039 | 1.00000 |
| 600  | 3.3254  | .6565   | 1.0040 | 24.0772 | 3.5260 | 1.00000 |
| 700  | 3.3956  | .5896   | 1.0039 | 24.6502 | 3.5526 | 1.00000 |
| 800  | 3.4573  | .5317   | 1.0038 | 25.1549 | 3.5825 | 1.00000 |
| 900  | 3.5123  | .4806   | 1.0036 | 25.6072 | 3.6147 | 1.00000 |
| 1000 | 3.5620  | .4350   | 1.0033 | 26.0265 | 3.6478 | 1.00000 |
| 1100 | 3.6074  | .3937   | 1.0032 | 26.4098 | 3.6812 | 1.00000 |
| 1200 | 3.6491  | .3560   | 1.0030 | 26.7582 | 3.7148 | 1.00000 |
| 1300 | 3.6877  | .3212   | 1.0028 | 27.0906 | 3.7474 | 1.00000 |
| 1400 | 3.7236  | .2891   | 1.0026 | 27.3981 | 3.7798 | 1.00000 |
| 1500 | 3.7572  | .2592   | 1.0025 | 27.7005 | 3.8120 | 1.00000 |
| 1500 | 3.7572  | .2590   | 1.0025 | 27.7022 | 3.8118 | .99999  |
| 1600 | 3.7889  | .2310   | 1.0024 | 27.9811 | 3.8440 | .99999  |
| 1700 | 3.8188  | .2047   | 1.0023 | 28.2468 | 3.8759 | .99999  |
| 1800 | 3.8471  | .1799   | 1.0021 | 28.5009 | 3.9072 | .99999  |
| 1900 | 3.8742  | .1565   | 1.0021 | 28.7449 | 3.9392 | 1.00000 |
| 2000 | 3.9000  | .1343   | 1.0020 | 28.9799 | 3.9715 | 1.00002 |
| 2100 | 3.9247  | .1131   | 1.0019 | 29.2071 | 4.0038 | 1.00007 |
| 2200 | 3.9486  | .0929   | 1.0020 | 29.4276 | 4.0379 | 1.00017 |
| 2300 | 3.9716  | .0735   | 1.0020 | 29.6426 | 4.0722 | 1.00032 |
| 2400 | 3.9939  | .0550   | 1.0022 | 29.8533 | 4.1087 | 1.00058 |
| 2500 | 4.0158  | .0371   | 1.0025 | 30.0612 | 4.1484 | 1.00097 |
| 2600 | 4.0373  | .0198   | 1.0031 | 30.2674 | 4.1912 | 1.00158 |
| 2700 | 4.0585  | .0031   | 1.0039 | 30.4737 | 4.2379 | 1.00245 |
| 2800 | 4.0797  | -.0132  | 1.0051 | 30.6816 | 4.2912 | 1.00367 |
| 2900 | 4.1010  | -.0291  | 1.0067 | 30.8927 | 4.3507 | 1.00533 |
| 3000 | 4.1226  | -.0448  | 1.0088 | 31.1114 | 4.4206 | 1.00753 |
| 3100 | 4.1443  | -.0602  | 1.0116 | 31.3338 | 4.4972 | 1.01036 |
| 3200 | 4.1663  | -.0755  | 1.0152 | 31.5638 | 4.5828 | 1.01394 |
| 3300 | 4.1886  | -.0908  | 1.0195 | 31.8023 | 4.6788 | 1.01835 |
| 3400 | 4.2114  | -.1060  | 1.0248 | 32.0501 | 4.7858 | 1.02367 |
| 3500 | 4.2344  | -.1212  | 1.0311 | 32.3071 | 4.9019 | 1.02995 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 3600  | 4.2577 | -.1365 | 1.0383 | 32.5732 | 5.0283  | 1.03722 |
| 3700  | 4.2810 | -.1518 | 1.0465 | 32.8466 | 5.1618  | 1.04542 |
| 3800  | 4.3042 | -.1671 | 1.0555 | 33.1259 | 5.3021  | 1.05451 |
| 3900  | 4.3271 | -.1824 | 1.0653 | 33.4087 | 5.4452  | 1.06433 |
| 4000  | 4.3493 | -.1976 | 1.0757 | 33.6914 | 5.5879  | 1.07472 |
| 4100  | 4.3708 | -.2126 | 1.0864 | 33.9713 | 5.7282  | 1.08546 |
| 4200  | 4.3913 | -.2274 | 1.0972 | 34.2446 | 5.8617  | 1.09629 |
| 4300  | 4.4107 | -.2418 | 1.1079 | 34.5084 | 5.9866  | 1.10696 |
| 4400  | 4.4287 | -.2558 | 1.1181 | 34.7604 | 6.0993  | 1.11726 |
| 4500  | 4.4457 | -.2693 | 1.1279 | 34.9996 | 6.2007  | 1.12706 |
| 4600  | 4.4613 | -.2824 | 1.1370 | 35.2249 | 6.2884  | 1.13618 |
| 4700  | 4.4759 | -.2949 | 1.1454 | 35.4370 | 6.3643  | 1.14462 |
| 4800  | 4.4894 | -.3070 | 1.1532 | 35.6370 | 6.4297  | 1.15235 |
| 4900  | 4.5022 | -.3186 | 1.1602 | 35.8267 | 6.4865  | 1.15945 |
| 5000  | 4.5148 | -.3297 | 1.1665 | 36.0149 | 6.5433  | 1.16573 |
| 5100  | 4.5264 | -.3406 | 1.1726 | 36.1901 | 6.5884  | 1.17181 |
| 5200  | 4.5376 | -.3511 | 1.1783 | 36.3609 | 6.6309  | 1.17754 |
| 5300  | 4.5486 | -.3614 | 1.1838 | 36.5292 | 6.6729  | 1.18305 |
| 5400  | 4.5595 | -.3715 | 1.1892 | 36.6978 | 6.7162  | 1.18846 |
| 5500  | 4.5705 | -.3814 | 1.1946 | 36.8675 | 6.7627  | 1.19385 |
| 5600  | 4.5816 | -.3913 | 1.2001 | 37.0411 | 6.8139  | 1.19940 |
| 5700  | 4.5929 | -.4010 | 1.2058 | 37.2199 | 6.8713  | 1.20514 |
| 5800  | 4.6046 | -.4107 | 1.2119 | 37.4047 | 6.9363  | 1.21122 |
| 5900  | 4.6166 | -.4205 | 1.2184 | 37.5981 | 7.0104  | 1.21772 |
| 6000  | 4.6291 | -.4303 | 1.2254 | 37.8007 | 7.0944  | 1.22474 |
| 6100  | 4.6420 | -.4401 | 1.2330 | 38.0142 | 7.1896  | 1.23235 |
| 6200  | 4.6555 | -.4501 | 1.2413 | 38.2389 | 7.2969  | 1.24067 |
| 6300  | 4.6696 | -.4602 | 1.2504 | 38.4770 | 7.4175  | 1.24979 |
| 6400  | 4.6842 | -.4705 | 1.2603 | 38.7295 | 7.5516  | 1.25974 |
| 6500  | 4.6995 | -.4810 | 1.2712 | 38.9972 | 7.7012  | 1.27066 |
| 6600  | 4.7153 | -.4917 | 1.2832 | 39.2812 | 7.8666  | 1.28264 |
| 6700  | 4.7317 | -.5026 | 1.2962 | 39.5815 | 8.0474  | 1.29565 |
| 6800  | 4.7488 | -.5138 | 1.3104 | 39.9010 | 8.2459  | 1.30990 |
| 6900  | 4.7663 | -.5252 | 1.3259 | 40.2373 | 8.4605  | 1.32532 |
| 7000  | 4.7843 | -.5369 | 1.3426 | 40.5939 | 8.6934  | 1.34207 |
| 7100  | 4.8027 | -.5488 | 1.3606 | 40.9675 | 8.9423  | 1.36006 |
| 7200  | 4.8215 | -.5610 | 1.3799 | 41.3600 | 9.2080  | 1.37935 |
| 7300  | 4.8405 | -.5734 | 1.4004 | 41.7692 | 9.4883  | 1.39988 |
| 7400  | 4.8598 | -.5861 | 1.4223 | 42.1974 | 9.7850  | 1.42177 |
| 7500  | 4.8791 | -.5989 | 1.4453 | 42.6396 | 10.0937 | 1.44477 |
| 7600  | 4.8985 | -.6118 | 1.4694 | 43.0961 | 10.4144 | 1.46891 |
| 7700  | 4.9176 | -.6248 | 1.4944 | 43.5626 | 10.7428 | 1.49396 |
| 7800  | 4.9366 | -.6379 | 1.5203 | 44.0391 | 11.0783 | 1.51987 |
| 7900  | 4.9552 | -.6510 | 1.5469 | 44.5221 | 11.4180 | 1.54648 |
| 8000  | 4.9735 | -.6640 | 1.5740 | 45.0085 | 11.7588 | 1.57358 |
| 8100  | 4.9911 | -.6768 | 1.6013 | 45.4931 | 12.0952 | 1.60080 |
| 8200  | 5.0081 | -.6895 | 1.6285 | 45.9742 | 12.4259 | 1.62805 |
| 8300  | 5.0244 | -.7018 | 1.6554 | 46.4464 | 12.7455 | 1.65496 |
| 8400  | 5.0400 | -.7139 | 1.6818 | 46.9084 | 13.0532 | 1.68142 |
| 8500  | 5.0548 | -.7257 | 1.7076 | 47.3573 | 13.3459 | 1.70721 |
| 8600  | 5.0687 | -.7370 | 1.7324 | 47.7886 | 13.6193 | 1.73200 |
| 8700  | 5.0817 | -.7479 | 1.7560 | 48.1998 | 13.8717 | 1.75561 |
| 8800  | 5.0938 | -.7584 | 1.7784 | 48.5918 | 14.1039 | 1.77807 |
| 8900  | 5.1052 | -.7684 | 1.7996 | 48.9633 | 14.3150 | 1.79925 |
| 9000  | 5.1157 | -.7780 | 1.8193 | 49.3125 | 14.5031 | 1.81900 |
| 9100  | 5.1255 | -.7872 | 1.8377 | 49.6408 | 14.6702 | 1.83740 |
| 9200  | 5.1345 | -.7959 | 1.8546 | 49.9474 | 14.8157 | 1.85436 |
| 9300  | 5.1429 | -.8042 | 1.8702 | 50.2333 | 14.9407 | 1.86990 |
| 9400  | 5.1506 | -.8122 | 1.8844 | 50.5008 | 15.0479 | 1.88421 |
| 9500  | 5.1578 | -.8198 | 1.8975 | 50.7513 | 15.1387 | 1.89735 |
| 9600  | 5.1645 | -.8270 | 1.9095 | 50.9853 | 15.2138 | 1.90933 |
| 9700  | 5.1708 | -.8340 | 1.9204 | 51.2042 | 15.2747 | 1.92025 |
| 9800  | 5.1766 | -.8407 | 1.9303 | 51.4106 | 15.3243 | 1.93027 |
| 9900  | 5.1821 | -.8472 | 1.9395 | 51.6050 | 15.3629 | 1.93944 |
| 10000 | 5.1873 | -.8534 | 1.9478 | 51.7891 | 15.3924 | 1.94785 |
| 10100 | 5.1923 | -.8594 | 1.9555 | 51.9647 | 15.4147 | 1.95563 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 10200 | 5.1970 | -.8653  | 1.9627 | 52.1324 | 15.4305 | 1.96285 |
| 10300 | 5.2015 | -.8710  | 1.9694 | 52.2940 | 15.4414 | 1.96961 |
| 10400 | 5.2059 | -.8766  | 1.9756 | 52.4499 | 15.4481 | 1.97593 |
| 10500 | 5.2102 | -.8820  | 1.9815 | 52.6011 | 15.4515 | 1.98191 |
| 10600 | 5.2143 | -.8874  | 1.9871 | 52.7490 | 15.4529 | 1.98763 |
| 10700 | 5.2184 | -.8926  | 1.9925 | 52.8938 | 15.4527 | 1.99312 |
| 10800 | 5.2224 | -.8978  | 1.9977 | 53.0363 | 15.4515 | 1.99843 |
| 10900 | 5.2264 | -.9029  | 2.0028 | 53.1774 | 15.4501 | 2.00363 |
| 11000 | 5.2303 | -.9080  | 2.0078 | 53.3174 | 15.4491 | 2.00875 |
| 11100 | 5.2342 | -.9130  | 2.0127 | 53.4568 | 15.4486 | 2.01381 |
| 11200 | 5.2381 | -.9179  | 2.0176 | 53.5963 | 15.4495 | 2.01887 |
| 11300 | 5.2421 | -.9228  | 2.0225 | 53.7358 | 15.4518 | 2.02395 |
| 11400 | 5.2460 | -.9277  | 2.0275 | 53.8762 | 15.4559 | 2.02909 |
| 11500 | 5.2500 | -.9326  | 2.0325 | 54.0178 | 15.4625 | 2.03432 |
| 11600 | 5.2540 | -.9374  | 2.0376 | 54.1605 | 15.4713 | 2.03964 |
| 11700 | 5.2580 | -.9423  | 2.0428 | 54.3050 | 15.4830 | 2.04511 |
| 11800 | 5.2621 | -.9471  | 2.0482 | 54.4513 | 15.4974 | 2.05071 |
| 11900 | 5.2663 | -.9520  | 2.0537 | 54.5994 | 15.5151 | 2.05651 |
| 12000 | 5.2705 | -.9568  | 2.0594 | 54.7507 | 15.5361 | 2.06248 |
| 12100 | 5.2748 | -.9616  | 2.0653 | 54.9041 | 15.5605 | 2.06867 |
| 12200 | 5.2792 | -.9665  | 2.0714 | 55.0603 | 15.5885 | 2.07508 |
| 12300 | 5.2836 | -.9714  | 2.0778 | 55.2196 | 15.6202 | 2.08174 |
| 12400 | 5.2881 | -.9762  | 2.0843 | 55.3816 | 15.6558 | 2.08865 |
| 12500 | 5.2927 | -.9811  | 2.0911 | 55.5472 | 15.6954 | 2.09583 |
| 12600 | 5.2974 | -.9861  | 2.0982 | 55.7160 | 15.7391 | 2.10329 |
| 12700 | 5.3021 | -.9910  | 2.1055 | 55.8885 | 15.7869 | 2.11106 |
| 12800 | 5.3069 | -.9960  | 2.1132 | 56.0646 | 15.8390 | 2.11915 |
| 12900 | 5.3119 | -1.0010 | 2.1211 | 56.2445 | 15.8954 | 2.12755 |
| 13000 | 5.3169 | -1.0060 | 2.1293 | 56.4283 | 15.9563 | 2.13629 |
| 13100 | 5.3220 | -1.0111 | 2.1379 | 56.6161 | 16.0216 | 2.14537 |
| 13200 | 5.3272 | -1.0162 | 2.1468 | 56.8080 | 16.0914 | 2.15480 |
| 13300 | 5.3325 | -1.0214 | 2.1560 | 57.0041 | 16.1657 | 2.16461 |
| 13400 | 5.3378 | -1.0265 | 2.1656 | 57.2044 | 16.2447 | 2.17479 |
| 13500 | 5.3433 | -1.0318 | 2.1755 | 57.4092 | 16.3285 | 2.18535 |
| 13600 | 5.3488 | -1.0370 | 2.1858 | 57.6184 | 16.4168 | 2.19632 |
| 13700 | 5.3545 | -1.0423 | 2.1965 | 57.8320 | 16.5098 | 2.20768 |
| 13800 | 5.3602 | -1.0476 | 2.2076 | 58.0501 | 16.6076 | 2.21945 |
| 13900 | 5.3660 | -1.0530 | 2.2190 | 58.2728 | 16.7099 | 2.23163 |
| 14000 | 5.3720 | -1.0585 | 2.2308 | 58.5026 | 16.8197 | 2.24423 |
| 14100 | 5.3779 | -1.0639 | 2.2431 | 58.7321 | 16.9290 | 2.25727 |
| 14200 | 5.3839 | -1.0694 | 2.2557 | 58.9687 | 17.0456 | 2.27074 |
| 14300 | 5.3900 | -1.0750 | 2.2687 | 59.2098 | 17.1668 | 2.28464 |
| 14400 | 5.3962 | -1.0806 | 2.2822 | 59.4559 | 17.2927 | 2.29899 |
| 14500 | 5.4025 | -1.0862 | 2.2960 | 59.7064 | 17.4232 | 2.31378 |
| 14600 | 5.4088 | -1.0919 | 2.3103 | 59.9613 | 17.5579 | 2.32900 |
| 14700 | 5.4152 | -1.0976 | 2.3250 | 60.2212 | 17.6974 | 2.34468 |
| 14800 | 5.4217 | -1.1034 | 2.3401 | 60.4855 | 17.8413 | 2.36081 |
| 14900 | 5.4282 | -1.1092 | 2.3556 | 60.7542 | 17.9893 | 2.37736 |
| 15000 | 5.4348 | -1.1150 | 2.3716 | 61.0272 | 18.1416 | 2.39436 |

LOG P= 1.1

| T    | LOG H/R | LOG RHC | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 200  | 2.8298  | 1.2484  | .9705  | 19.8915 | 3.3789 | 1.00000 |
| 300  | 3.0162  | 1.0606  | .9970  | 21.3613 | 3.4597 | 1.00000 |
| 400  | 3.1443  | .9330   | 1.0031 | 22.3851 | 3.4850 | 1.00000 |
| 500  | 3.2434  | .8355   | 1.0045 | 23.1720 | 3.5031 | 1.00000 |
| 600  | 3.3254  | .7561   | 1.0050 | 23.8468 | 3.5259 | 1.00000 |
| 700  | 3.3957  | .6892   | 1.0049 | 24.4173 | 3.5528 | 1.00000 |
| 800  | 3.4573  | .6313   | 1.0047 | 24.9224 | 3.5829 | 1.00000 |
| 900  | 3.5124  | .5802   | 1.0045 | 25.3707 | 3.6152 | 1.00000 |
| 1000 | 3.5621  | .5346   | 1.0041 | 25.7901 | 3.6483 | 1.00000 |
| 1100 | 3.6074  | .4933   | 1.0040 | 26.1723 | 3.6817 | 1.00000 |
| 1200 | 3.6492  | .4556   | 1.0037 | 26.5245 | 3.7154 | 1.00000 |
| 1300 | 3.6877  | .4209   | 1.0036 | 26.8572 | 3.7479 | 1.00000 |

|      |        |        |        |         |         |         |
|------|--------|--------|--------|---------|---------|---------|
| 1400 | 3.7236 | .3888  | 1.0033 | 27.1615 | 3.7802  | 1.00000 |
| 1500 | 3.7573 | .3589  | 1.0032 | 27.4675 | 3.8125  | 1.00000 |
| 1500 | 3.7573 | .3587  | 1.0032 | 27.4718 | 3.8123  | .99999  |
| 1600 | 3.7890 | .3307  | 1.0030 | 27.7508 | 3.8446  | .99998  |
| 1700 | 3.8189 | .3045  | 1.0028 | 28.0165 | 3.8765  | .99999  |
| 1800 | 3.8472 | .2797  | 1.0027 | 28.2706 | 3.9077  | .99999  |
| 1900 | 3.8742 | .2563  | 1.0026 | 28.5146 | 3.9396  | 1.00000 |
| 2000 | 3.9000 | .2340  | 1.0025 | 28.7494 | 3.9718  | 1.00002 |
| 2100 | 3.9247 | .2129  | 1.0024 | 28.9765 | 4.0039  | 1.00006 |
| 2200 | 3.9486 | .1927  | 1.0024 | 29.1967 | 4.0377  | 1.00014 |
| 2300 | 3.9715 | .1734  | 1.0024 | 29.4112 | 4.0716  | 1.00028 |
| 2400 | 3.9938 | .1548  | 1.0026 | 29.6212 | 4.1074  | 1.00050 |
| 2500 | 4.0156 | .1370  | 1.0028 | 29.8280 | 4.1461  | 1.00086 |
| 2600 | 4.0369 | .1197  | 1.0033 | 30.0327 | 4.1875  | 1.00140 |
| 2700 | 4.0579 | .1031  | 1.0040 | 30.2368 | 4.2322  | 1.00217 |
| 2800 | 4.0789 | .0868  | 1.0050 | 30.4419 | 4.2829  | 1.00326 |
| 2900 | 4.0998 | .0710  | 1.0065 | 30.6493 | 4.3390  | 1.00474 |
| 3000 | 4.1210 | .0554  | 1.0084 | 30.8632 | 4.4046  | 1.00671 |
| 3100 | 4.1423 | .0401  | 1.0108 | 31.0798 | 4.4759  | 1.00925 |
| 3200 | 4.1637 | .0250  | 1.0140 | 31.3028 | 4.5553  | 1.01246 |
| 3300 | 4.1854 | .0099  | 1.0179 | 31.5331 | 4.6441  | 1.01642 |
| 3400 | 4.2075 | -.0051 | 1.0227 | 31.7716 | 4.7429  | 1.02122 |
| 3500 | 4.2298 | -.0200 | 1.0283 | 32.0183 | 4.8502  | 1.02689 |
| 3600 | 4.2524 | -.0350 | 1.0349 | 32.2735 | 4.9673  | 1.03350 |
| 3700 | 4.2750 | -.0501 | 1.0423 | 32.5356 | 5.0913  | 1.04100 |
| 3800 | 4.2977 | -.0651 | 1.0507 | 32.8039 | 5.2226  | 1.04936 |
| 3900 | 4.3200 | -.0801 | 1.0597 | 33.0763 | 5.3575  | 1.05849 |
| 4000 | 4.3419 | -.0951 | 1.0695 | 33.3499 | 5.4934  | 1.06824 |
| 4100 | 4.3632 | -.1099 | 1.0796 | 33.6224 | 5.6286  | 1.07843 |
| 4200 | 4.3836 | -.1245 | 1.0900 | 33.8904 | 5.7592  | 1.08884 |
| 4300 | 4.4031 | -.1389 | 1.1004 | 34.1510 | 5.8834  | 1.09925 |
| 4400 | 4.4214 | -.1529 | 1.1106 | 34.4021 | 5.9976  | 1.10945 |
| 4500 | 4.4387 | -.1664 | 1.1204 | 34.6423 | 6.1022  | 1.11929 |
| 4600 | 4.4548 | -.1796 | 1.1296 | 34.8699 | 6.1944  | 1.12858 |
| 4700 | 4.4698 | -.1922 | 1.1383 | 35.0852 | 6.2755  | 1.13728 |
| 4800 | 4.4838 | -.2044 | 1.1464 | 35.2889 | 6.3463  | 1.14534 |
| 4900 | 4.4969 | -.2162 | 1.1538 | 35.4820 | 6.4082  | 1.15278 |
| 5000 | 4.5098 | -.2274 | 1.1604 | 35.6731 | 6.4694  | 1.15939 |
| 5100 | 4.5217 | -.2384 | 1.1667 | 35.8503 | 6.5179  | 1.16576 |
| 5200 | 4.5331 | -.2490 | 1.1727 | 36.0221 | 6.5628  | 1.17175 |
| 5300 | 4.5442 | -.2594 | 1.1784 | 36.1901 | 6.6058  | 1.17745 |
| 5400 | 4.5552 | -.2696 | 1.1839 | 36.3573 | 6.6490  | 1.18296 |
| 5500 | 4.5660 | -.2795 | 1.1893 | 36.5242 | 6.6939  | 1.18841 |
| 5600 | 4.5770 | -.2893 | 1.1948 | 36.6936 | 6.7422  | 1.19392 |
| 5700 | 4.5881 | -.2991 | 1.2004 | 36.8669 | 6.7953  | 1.19954 |
| 5800 | 4.5994 | -.3087 | 1.2062 | 37.0446 | 6.8546  | 1.20540 |
| 5900 | 4.6111 | -.3184 | 1.2124 | 37.2293 | 6.9216  | 1.21160 |
| 6000 | 4.6231 | -.3280 | 1.2190 | 37.4218 | 6.9969  | 1.21822 |
| 6100 | 4.6355 | -.3377 | 1.2261 | 37.6235 | 7.0820  | 1.22534 |
| 6200 | 4.6484 | -.3475 | 1.2338 | 37.8348 | 7.1777  | 1.23305 |
| 6300 | 4.6618 | -.3574 | 1.2422 | 38.0577 | 7.2852  | 1.24146 |
| 6400 | 4.6757 | -.3674 | 1.2513 | 38.2934 | 7.4046  | 1.25060 |
| 6500 | 4.6902 | -.3776 | 1.2613 | 38.5423 | 7.5379  | 1.26059 |
| 6600 | 4.7052 | -.3880 | 1.2722 | 38.8059 | 7.6854  | 1.27152 |
| 6700 | 4.7208 | -.3985 | 1.2841 | 39.0840 | 7.8469  | 1.28339 |
| 6800 | 4.7369 | -.4093 | 1.2970 | 39.3796 | 8.0246  | 1.29635 |
| 6900 | 4.7536 | -.4203 | 1.3111 | 39.6904 | 8.2170  | 1.31038 |
| 7000 | 4.7708 | -.4316 | 1.3263 | 40.0199 | 8.4266  | 1.32564 |
| 7100 | 4.7883 | -.4431 | 1.3427 | 40.3652 | 8.6512  | 1.34205 |
| 7200 | 4.8063 | -.4548 | 1.3603 | 40.7284 | 8.8917  | 1.35968 |
| 7300 | 4.8246 | -.4668 | 1.3791 | 41.1077 | 9.1468  | 1.37850 |
| 7400 | 4.8432 | -.4790 | 1.3992 | 41.5056 | 9.4180  | 1.39862 |
| 7500 | 4.8619 | -.4914 | 1.4205 | 41.9178 | 9.7018  | 1.41986 |
| 7600 | 4.8808 | -.5039 | 1.4429 | 42.3449 | 9.9984  | 1.44226 |
| 7700 | 4.8995 | -.5166 | 1.4662 | 42.7835 | 10.3045 | 1.46563 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 7800  | 4.9182 | -.5293 | 1.4906 | 43.2338 | 10.6197 | 1.48997 |
| 7900  | 4.9367 | -.5421 | 1.5157 | 43.6932 | 10.9417 | 1.51516 |
| 8000  | 4.9549 | -.5549 | 1.5416 | 44.1591 | 11.2681 | 1.54102 |
| 8100  | 4.9727 | -.5676 | 1.5678 | 44.6271 | 11.5942 | 1.56726 |
| 8200  | 4.9900 | -.5803 | 1.5943 | 45.0957 | 11.9187 | 1.59378 |
| 8300  | 5.0067 | -.5927 | 1.6208 | 45.5600 | 12.2366 | 1.62026 |
| 8400  | 5.0228 | -.6049 | 1.6472 | 46.0188 | 12.5471 | 1.64661 |
| 8500  | 5.0382 | -.6168 | 1.6731 | 46.4691 | 12.8470 | 1.67260 |
| 8600  | 5.0528 | -.6284 | 1.6984 | 46.9062 | 13.1319 | 1.69789 |
| 8700  | 5.0666 | -.6396 | 1.7228 | 47.3270 | 13.3994 | 1.72229 |
| 8800  | 5.0796 | -.6504 | 1.7463 | 47.7319 | 13.6499 | 1.74577 |
| 8900  | 5.0918 | -.6609 | 1.7687 | 48.1194 | 13.8818 | 1.76820 |
| 9000  | 5.1032 | -.6709 | 1.7898 | 48.4865 | 14.0926 | 1.78934 |
| 9100  | 5.1139 | -.6805 | 1.8097 | 48.8343 | 14.2838 | 1.80927 |
| 9200  | 5.1238 | -.6897 | 1.8282 | 49.1613 | 14.4537 | 1.82782 |
| 9300  | 5.1329 | -.6984 | 1.8454 | 49.4678 | 14.6031 | 1.84500 |
| 9400  | 5.1415 | -.7068 | 1.8613 | 49.7558 | 14.7344 | 1.86095 |
| 9500  | 5.1494 | -.7148 | 1.8760 | 50.0264 | 14.8484 | 1.87570 |
| 9600  | 5.1568 | -.7225 | 1.8895 | 50.2792 | 14.9452 | 1.88921 |
| 9700  | 5.1636 | -.7298 | 1.9018 | 50.5157 | 15.0265 | 1.90159 |
| 9800  | 5.1701 | -.7368 | 1.9132 | 50.7384 | 15.0947 | 1.91298 |
| 9900  | 5.1761 | -.7436 | 1.9235 | 50.9476 | 15.1503 | 1.92340 |
| 10000 | 5.1817 | -.7501 | 1.9330 | 51.1448 | 15.1949 | 1.93295 |
| 10100 | 5.1871 | -.7564 | 1.9418 | 51.3321 | 15.2308 | 1.94178 |
| 10200 | 5.1921 | -.7625 | 1.9499 | 51.5100 | 15.2585 | 1.94992 |
| 10300 | 5.1970 | -.7684 | 1.9574 | 51.6802 | 15.2798 | 1.95750 |
| 10400 | 5.2016 | -.7741 | 1.9644 | 51.8433 | 15.2952 | 1.96453 |
| 10500 | 5.2061 | -.7797 | 1.9709 | 52.0005 | 15.3060 | 1.97113 |
| 10600 | 5.2104 | -.7852 | 1.9770 | 52.1530 | 15.3133 | 1.97737 |
| 10700 | 5.2146 | -.7905 | 1.9828 | 52.3013 | 15.3178 | 1.98330 |
| 10800 | 5.2187 | -.7958 | 1.9884 | 52.4462 | 15.3202 | 1.98895 |
| 10900 | 5.2227 | -.8010 | 1.9937 | 52.5887 | 15.3214 | 1.99442 |
| 11000 | 5.2267 | -.8060 | 1.9989 | 52.7290 | 15.3218 | 1.99973 |
| 11100 | 5.2306 | -.8111 | 2.0040 | 52.8678 | 15.3221 | 2.00493 |
| 11200 | 5.2346 | -.8160 | 2.0089 | 53.0059 | 15.3227 | 2.01006 |
| 11300 | 5.2385 | -.8210 | 2.0139 | 53.1432 | 15.3238 | 2.01513 |
| 11400 | 5.2423 | -.8258 | 2.0188 | 53.2806 | 15.3262 | 2.02021 |
| 11500 | 5.2463 | -.8307 | 2.0237 | 53.4185 | 15.3303 | 2.02534 |
| 11600 | 5.2502 | -.8355 | 2.0286 | 53.5568 | 15.3358 | 2.03049 |
| 11700 | 5.2541 | -.8403 | 2.0337 | 53.6963 | 15.3436 | 2.03574 |
| 11800 | 5.2581 | -.8451 | 2.0388 | 53.8368 | 15.3535 | 2.04107 |
| 11900 | 5.2621 | -.8499 | 2.0440 | 53.9791 | 15.3662 | 2.04655 |
| 12000 | 5.2662 | -.8547 | 2.0494 | 54.1230 | 15.3814 | 2.05217 |
| 12100 | 5.2703 | -.8594 | 2.0549 | 54.2689 | 15.3996 | 2.05794 |
| 12200 | 5.2745 | -.8642 | 2.0605 | 54.4170 | 15.4209 | 2.06390 |
| 12300 | 5.2787 | -.8690 | 2.0664 | 54.5680 | 15.4452 | 2.07006 |
| 12400 | 5.2830 | -.8738 | 2.0724 | 54.7204 | 15.4732 | 2.07643 |
| 12500 | 5.2874 | -.8785 | 2.0786 | 54.8761 | 15.5045 | 2.08303 |
| 12600 | 5.2918 | -.8834 | 2.0851 | 55.0347 | 15.5394 | 2.08987 |
| 12700 | 5.2963 | -.8882 | 2.0918 | 55.1964 | 15.5781 | 2.09698 |
| 12800 | 5.3009 | -.8930 | 2.0987 | 55.3611 | 15.6204 | 2.10435 |
| 12900 | 5.3056 | -.8979 | 2.1059 | 55.5291 | 15.6668 | 2.11201 |
| 13000 | 5.3103 | -.9028 | 2.1134 | 55.7005 | 15.7170 | 2.11995 |
| 13100 | 5.3151 | -.9077 | 2.1211 | 55.8754 | 15.7712 | 2.12821 |
| 13200 | 5.3200 | -.9126 | 2.1292 | 56.0539 | 15.8296 | 2.13677 |
| 13300 | 5.3250 | -.9176 | 2.1375 | 56.2361 | 15.8921 | 2.14566 |
| 13400 | 5.3301 | -.9226 | 2.1462 | 56.4220 | 15.9587 | 2.15489 |
| 13500 | 5.3353 | -.9277 | 2.1551 | 56.6119 | 16.0296 | 2.16446 |
| 13600 | 5.3405 | -.9327 | 2.1644 | 56.8057 | 16.1050 | 2.17440 |
| 13700 | 5.3458 | -.9378 | 2.1740 | 57.0034 | 16.1844 | 2.18468 |
| 13800 | 5.3512 | -.9430 | 2.1840 | 57.2052 | 16.2682 | 2.19534 |
| 13900 | 5.3567 | -.9482 | 2.1943 | 57.4111 | 16.3563 | 2.20636 |
| 14000 | 5.3623 | -.9534 | 2.2050 | 57.6235 | 16.4511 | 2.21778 |
| 14100 | 5.3679 | -.9586 | 2.2160 | 57.8355 | 16.5457 | 2.22959 |
| 14200 | 5.3736 | -.9639 | 2.2274 | 58.0540 | 16.6469 | 2.24179 |
| 14300 | 5.3794 | -.9693 | 2.2391 | 58.2767 | 16.7525 | 2.25439 |

|       |        |         |        |         |         |         |
|-------|--------|---------|--------|---------|---------|---------|
| 14400 | 5.3853 | -.9747  | 2.2513 | 58.5039 | 16.8625 | 2.26740 |
| 14500 | 5.3912 | -.9801  | 2.2638 | 58.7351 | 16.9767 | 2.28081 |
| 14600 | 5.3972 | -.9855  | 2.2766 | 58.9705 | 17.0949 | 2.29462 |
| 14700 | 5.4033 | -.9910  | 2.2899 | 59.2104 | 17.2177 | 2.30887 |
| 14800 | 5.4094 | -.9965  | 2.3036 | 59.4544 | 17.3446 | 2.32353 |
| 14900 | 5.4156 | -1.0021 | 2.3176 | 59.7026 | 17.4755 | 2.33859 |
| 15000 | 5.4219 | -1.0077 | 2.3321 | 59.9549 | 17.6105 | 2.35406 |

LOG P= 1.2

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 200  | 2.8262  | 1.3518  | .9629  | 19.6403 | 3.3508 | 1.00000 |
| 300  | 3.0152  | 1.1609  | .9962  | 21.1238 | 3.4521 | 1.00000 |
| 400  | 3.1440  | 1.0327  | 1.0037 | 22.1514 | 3.4826 | 1.00000 |
| 500  | 3.2433  | .9350   | 1.0056 | 22.9365 | 3.5020 | 1.00000 |
| 600  | 3.3254  | .8556   | 1.0062 | 23.6145 | 3.5257 | 1.00000 |
| 700  | 3.3957  | .7886   | 1.0062 | 24.1846 | 3.5531 | 1.00000 |
| 800  | 3.4574  | .7307   | 1.0060 | 24.6871 | 3.5834 | 1.00000 |
| 900  | 3.5125  | .6798   | 1.0056 | 25.1393 | 3.6158 | 1.00000 |
| 1000 | 3.5622  | .6342   | 1.0052 | 25.5550 | 3.6492 | 1.00000 |
| 1100 | 3.6075  | .5928   | 1.0051 | 25.9350 | 3.6823 | 1.00000 |
| 1200 | 3.6493  | .5552   | 1.0047 | 26.2909 | 3.7160 | 1.00000 |
| 1300 | 3.6878  | .5205   | 1.0044 | 26.6246 | 3.7487 | 1.00000 |
| 1400 | 3.7237  | .4885   | 1.0041 | 26.9265 | 3.7806 | 1.00000 |
| 1500 | 3.7574  | .4586   | 1.0040 | 27.2321 | 3.8132 | 1.00000 |
| 1500 | 3.7574  | .4583   | 1.0040 | 27.2414 | 3.8130 | .99999  |
| 1600 | 3.7891  | .4304   | 1.0038 | 27.5205 | 3.8453 | .99998  |
| 1700 | 3.8190  | .4042   | 1.0036 | 27.7862 | 3.8771 | .99998  |
| 1800 | 3.8473  | .3794   | 1.0034 | 28.0403 | 3.9083 | .99998  |
| 1900 | 3.8743  | .3560   | 1.0032 | 28.2842 | 3.9401 | .99999  |
| 2000 | 3.9001  | .3338   | 1.0031 | 28.5190 | 3.9722 | 1.00001 |
| 2100 | 3.9247  | .3126   | 1.0030 | 28.7459 | 4.0042 | 1.00004 |
| 2200 | 3.9486  | .2925   | 1.0029 | 28.9659 | 4.0378 | 1.00012 |
| 2300 | 3.9715  | .2731   | 1.0029 | 29.1800 | 4.0713 | 1.00024 |
| 2400 | 3.9937  | .2546   | 1.0030 | 29.3894 | 4.1065 | 1.00044 |
| 2500 | 4.0154  | .2368   | 1.0033 | 29.5952 | 4.1443 | 1.00075 |
| 2600 | 4.0366  | .2196   | 1.0036 | 29.7985 | 4.1843 | 1.00124 |
| 2700 | 4.0574  | .2030   | 1.0042 | 30.0007 | 4.2273 | 1.00192 |
| 2800 | 4.0782  | .1868   | 1.0051 | 30.2032 | 4.2756 | 1.00290 |
| 2900 | 4.0988  | .1710   | 1.0064 | 30.4072 | 4.3287 | 1.00422 |
| 3000 | 4.1196  | .1556   | 1.0081 | 30.6169 | 4.3904 | 1.00598 |
| 3100 | 4.1404  | .1404   | 1.0103 | 30.8282 | 4.4571 | 1.00825 |
| 3200 | 4.1613  | .1254   | 1.0131 | 31.0449 | 4.5307 | 1.01112 |
| 3300 | 4.1825  | .1105   | 1.0166 | 31.2678 | 4.6130 | 1.01468 |
| 3400 | 4.2040  | .0957   | 1.0208 | 31.4978 | 4.7044 | 1.01900 |
| 3500 | 4.2256  | .0810   | 1.0259 | 31.7351 | 4.8035 | 1.02412 |
| 3600 | 4.2476  | .0662   | 1.0318 | 31.9801 | 4.9118 | 1.03011 |
| 3700 | 4.2695  | .0515   | 1.0386 | 32.2316 | 5.0269 | 1.03695 |
| 3800 | 4.2915  | .0367   | 1.0462 | 32.4893 | 5.1493 | 1.04461 |
| 3900 | 4.3134  | .0220   | 1.0546 | 32.7513 | 5.2759 | 1.05305 |
| 4000 | 4.3348  | .0073   | 1.0637 | 33.0154 | 5.4045 | 1.06214 |
| 4100 | 4.3558  | -.0073  | 1.0732 | 33.2798 | 5.5339 | 1.07174 |
| 4200 | 4.3761  | -.0218  | 1.0831 | 33.5414 | 5.6605 | 1.08167 |
| 4300 | 4.3956  | -.0360  | 1.0931 | 33.7977 | 5.7826 | 1.09171 |
| 4400 | 4.4141  | -.0499  | 1.1031 | 34.0464 | 5.8967 | 1.10171 |
| 4500 | 4.4316  | -.0635  | 1.1128 | 34.2861 | 6.0031 | 1.11148 |
| 4600 | 4.4480  | -.0767  | 1.1222 | 34.5148 | 6.0986 | 1.12085 |
| 4700 | 4.4634  | -.0894  | 1.1310 | 34.7324 | 6.1839 | 1.12971 |
| 4800 | 4.4778  | -.1017  | 1.1393 | 34.9389 | 6.2595 | 1.13802 |
| 4900 | 4.4913  | -.1136  | 1.1470 | 35.1351 | 6.3261 | 1.14576 |
| 5000 | 4.5046  | -.1250  | 1.1539 | 35.3291 | 6.3919 | 1.15267 |
| 5100 | 4.5167  | -.1361  | 1.1605 | 35.5086 | 6.4441 | 1.15934 |
| 5200 | 4.5284  | -.1468  | 1.1668 | 35.6818 | 6.4918 | 1.16560 |
| 5300 | 4.5396  | -.1573  | 1.1727 | 35.8504 | 6.5367 | 1.17151 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 5400  | 4.5507 | -.1675 | 1.1783 | 36.0168 | 6.5805  | 1.17721 |
| 5500  | 4.5615 | -.1775 | 1.1838 | 36.1819 | 6.6247  | 1.18273 |
| 5600  | 4.5724 | -.1873 | 1.1893 | 36.3482 | 6.6712  | 1.18825 |
| 5700  | 4.5833 | -.1971 | 1.1949 | 36.5170 | 6.7211  | 1.19382 |
| 5800  | 4.5944 | -.2067 | 1.2006 | 36.6889 | 6.7759  | 1.19954 |
| 5900  | 4.6057 | -.2162 | 1.2065 | 36.8663 | 6.8370  | 1.20551 |
| 6000  | 4.6173 | -.2258 | 1.2128 | 37.0500 | 6.9051  | 1.21181 |
| 6100  | 4.6293 | -.2354 | 1.2195 | 37.2415 | 6.9815  | 1.21852 |
| 6200  | 4.6416 | -.2450 | 1.2267 | 37.4410 | 7.0671  | 1.22573 |
| 6300  | 4.6544 | -.2547 | 1.2345 | 37.6506 | 7.1631  | 1.23353 |
| 6400  | 4.6677 | -.2645 | 1.2429 | 37.8712 | 7.2696  | 1.24195 |
| 6500  | 4.6815 | -.2744 | 1.2521 | 38.1035 | 7.3885  | 1.25114 |
| 6600  | 4.6958 | -.2845 | 1.2620 | 38.3488 | 7.5200  | 1.26114 |
| 6700  | 4.7106 | -.2947 | 1.2729 | 38.6069 | 7.6643  | 1.27198 |
| 6800  | 4.7259 | -.3052 | 1.2847 | 38.8809 | 7.8231  | 1.28380 |
| 6900  | 4.7417 | -.3158 | 1.2974 | 39.1685 | 7.9955  | 1.29658 |
| 7000  | 4.7580 | -.3267 | 1.3113 | 39.4731 | 8.1835  | 1.31048 |
| 7100  | 4.7748 | -.3377 | 1.3263 | 39.7923 | 8.3857  | 1.32544 |
| 7200  | 4.7920 | -.3491 | 1.3423 | 40.1283 | 8.6028  | 1.34152 |
| 7300  | 4.8095 | -.3606 | 1.3595 | 40.4794 | 8.8338  | 1.35873 |
| 7400  | 4.8273 | -.3723 | 1.3780 | 40.8483 | 9.0804  | 1.37716 |
| 7500  | 4.8454 | -.3843 | 1.3975 | 41.2314 | 9.3397  | 1.39669 |
| 7600  | 4.8636 | -.3964 | 1.4181 | 41.6294 | 9.6123  | 1.41737 |
| 7700  | 4.8819 | -.4087 | 1.4398 | 42.0397 | 9.8953  | 1.43905 |
| 7800  | 4.9002 | -.4211 | 1.4625 | 42.4629 | 10.1887 | 1.46175 |
| 7900  | 4.9185 | -.4335 | 1.4861 | 42.8969 | 10.4911 | 1.48539 |
| 8000  | 4.9365 | -.4461 | 1.5106 | 43.3398 | 10.8001 | 1.50985 |
| 8100  | 4.9543 | -.4586 | 1.5356 | 43.7876 | 11.1119 | 1.53486 |
| 8200  | 4.9717 | -.4711 | 1.5611 | 44.2395 | 11.4255 | 1.56038 |
| 8300  | 4.9886 | -.4835 | 1.5868 | 44.6909 | 11.7365 | 1.58609 |
| 8400  | 5.0051 | -.4957 | 1.6126 | 45.1407 | 12.0440 | 1.61195 |
| 8500  | 5.0209 | -.5077 | 1.6384 | 45.5864 | 12.3453 | 1.63772 |
| 8600  | 5.0361 | -.5194 | 1.6638 | 46.0231 | 12.6357 | 1.66310 |
| 8700  | 5.0505 | -.5309 | 1.6885 | 46.4477 | 12.9127 | 1.68787 |
| 8800  | 5.0643 | -.5420 | 1.7126 | 46.8603 | 13.1763 | 1.71201 |
| 8900  | 5.0773 | -.5528 | 1.7360 | 47.2589 | 13.4248 | 1.73534 |
| 9000  | 5.0895 | -.5632 | 1.7582 | 47.6400 | 13.6546 | 1.75761 |
| 9100  | 5.1010 | -.5732 | 1.7794 | 48.0043 | 13.8669 | 1.77884 |
| 9200  | 5.1118 | -.5828 | 1.7994 | 48.3493 | 14.0594 | 1.79882 |
| 9300  | 5.1218 | -.5919 | 1.8180 | 48.6749 | 14.2319 | 1.81752 |
| 9400  | 5.1311 | -.6007 | 1.8355 | 48.9827 | 14.3867 | 1.83505 |
| 9500  | 5.1398 | -.6092 | 1.8518 | 49.2728 | 14.5240 | 1.85138 |
| 9600  | 5.1479 | -.6172 | 1.8669 | 49.5449 | 14.6433 | 1.86646 |
| 9700  | 5.1554 | -.6250 | 1.8807 | 49.7998 | 14.7459 | 1.88034 |
| 9800  | 5.1625 | -.6324 | 1.8935 | 50.0399 | 14.8344 | 1.89319 |
| 9900  | 5.1691 | -.6394 | 1.9053 | 50.2653 | 14.9089 | 1.90499 |
| 10000 | 5.1753 | -.6463 | 1.9161 | 50.4774 | 14.9708 | 1.91581 |
| 10100 | 5.1811 | -.6528 | 1.9260 | 50.6783 | 15.0224 | 1.92583 |
| 10200 | 5.1866 | -.6592 | 1.9352 | 50.8683 | 15.0642 | 1.93505 |
| 10300 | 5.1918 | -.6653 | 1.9437 | 51.0493 | 15.0981 | 1.94361 |
| 10400 | 5.1967 | -.6713 | 1.9515 | 51.2217 | 15.1245 | 1.95153 |
| 10500 | 5.2015 | -.6770 | 1.9588 | 51.3868 | 15.1447 | 1.95890 |
| 10600 | 5.2060 | -.6827 | 1.9656 | 51.5460 | 15.1603 | 1.96582 |
| 10700 | 5.2104 | -.6882 | 1.9720 | 51.6997 | 15.1717 | 1.97233 |
| 10800 | 5.2147 | -.6935 | 1.9781 | 51.8489 | 15.1796 | 1.97848 |
| 10900 | 5.2189 | -.6988 | 1.9838 | 51.9945 | 15.1853 | 1.98436 |
| 11000 | 5.2229 | -.7040 | 1.9894 | 52.1369 | 15.1890 | 1.99001 |
| 11100 | 5.2269 | -.7091 | 1.9947 | 52.2769 | 15.1915 | 1.99545 |
| 11200 | 5.2309 | -.7141 | 1.9998 | 52.4152 | 15.1936 | 2.00077 |
| 11300 | 5.2348 | -.7190 | 2.0049 | 52.5519 | 15.1952 | 2.00596 |
| 11400 | 5.2387 | -.7239 | 2.0098 | 52.6878 | 15.1972 | 2.01110 |
| 11500 | 5.2426 | -.7288 | 2.0148 | 52.8235 | 15.2001 | 2.01622 |
| 11600 | 5.2464 | -.7336 | 2.0197 | 52.9588 | 15.2039 | 2.02131 |
| 11700 | 5.2503 | -.7384 | 2.0246 | 53.0946 | 15.2091 | 2.02644 |
| 11800 | 5.2542 | -.7431 | 2.0296 | 53.2309 | 15.2159 | 2.03162 |
| 11900 | 5.2581 | -.7479 | 2.0346 | 53.3682 | 15.2248 | 2.03688 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 12000 | 5.2620 | -.7526 | 2.0397 | 53.5065 | 15.2357 | 2.04223 |
| 12100 | 5.2660 | -.7573 | 2.0449 | 53.6463 | 15.2490 | 2.04770 |
| 12200 | 5.2701 | -.7620 | 2.0502 | 53.7877 | 15.2648 | 2.05331 |
| 12300 | 5.2741 | -.7667 | 2.0557 | 53.9304 | 15.2840 | 2.05907 |
| 12400 | 5.2782 | -.7714 | 2.0613 | 54.0760 | 15.3046 | 2.06500 |
| 12500 | 5.2824 | -.7761 | 2.0670 | 54.2234 | 15.3290 | 2.07112 |
| 12600 | 5.2867 | -.7808 | 2.0730 | 54.3732 | 15.3565 | 2.07744 |
| 12700 | 5.2910 | -.7855 | 2.0791 | 54.5254 | 15.3872 | 2.08398 |
| 12800 | 5.2953 | -.7903 | 2.0855 | 54.6802 | 15.4212 | 2.09074 |
| 12900 | 5.2998 | -.7950 | 2.0921 | 54.8379 | 15.4587 | 2.09776 |
| 13000 | 5.3043 | -.7998 | 2.0989 | 54.9985 | 15.4998 | 2.10502 |
| 13100 | 5.3088 | -.8046 | 2.1059 | 55.1619 | 15.5442 | 2.11255 |
| 13200 | 5.3135 | -.8094 | 2.1132 | 55.3285 | 15.5926 | 2.12035 |
| 13300 | 5.3182 | -.8142 | 2.1207 | 55.4984 | 15.6445 | 2.12845 |
| 13400 | 5.3230 | -.8190 | 2.1286 | 55.6716 | 15.7003 | 2.13683 |
| 13500 | 5.3279 | -.8239 | 2.1367 | 55.8481 | 15.7599 | 2.14552 |
| 13600 | 5.3328 | -.8288 | 2.1451 | 56.0282 | 15.8235 | 2.15453 |
| 13700 | 5.3379 | -.8338 | 2.1538 | 56.2117 | 15.8909 | 2.16386 |
| 13800 | 5.3430 | -.8387 | 2.1627 | 56.3989 | 15.9622 | 2.17352 |
| 13900 | 5.3482 | -.8437 | 2.1720 | 56.5897 | 16.0376 | 2.18352 |
| 14000 | 5.3535 | -.8488 | 2.1817 | 56.7863 | 16.1189 | 2.19387 |
| 14100 | 5.3587 | -.8538 | 2.1916 | 56.9826 | 16.2002 | 2.20457 |
| 14200 | 5.3642 | -.8589 | 2.2019 | 57.1848 | 16.2876 | 2.21563 |
| 14300 | 5.3696 | -.8641 | 2.2125 | 57.3907 | 16.3789 | 2.22705 |
| 14400 | 5.3752 | -.8692 | 2.2234 | 57.6008 | 16.4745 | 2.23884 |
| 14500 | 5.3808 | -.8744 | 2.2347 | 57.8145 | 16.5739 | 2.25101 |
| 14600 | 5.3865 | -.8797 | 2.2463 | 58.0319 | 16.6772 | 2.26353 |
| 14700 | 5.3922 | -.8850 | 2.2583 | 58.2536 | 16.7846 | 2.27646 |
| 14800 | 5.3981 | -.8903 | 2.2706 | 58.4792 | 16.8960 | 2.28978 |
| 14900 | 5.4039 | -.8956 | 2.2833 | 58.7084 | 17.0111 | 2.30347 |
| 15000 | 5.4099 | -.9010 | 2.2963 | 58.9416 | 17.1301 | 2.31754 |

LOG P= 1.3

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 200  | 2.8216  | 1.4561  | .9534  | 19.3834 | 3.3154 | 1.00000 |
| 300  | 3.0140  | 1.2613  | .9953  | 20.8852 | 3.4425 | 1.00000 |
| 400  | 3.1436  | 1.1323  | 1.0047 | 21.9176 | 3.4795 | 1.00000 |
| 500  | 3.2431  | 1.0344  | 1.0071 | 22.7021 | 3.5006 | 1.00000 |
| 600  | 3.3254  | .9549   | 1.0078 | 23.3809 | 3.5254 | 1.00000 |
| 700  | 3.3957  | .8880   | 1.0078 | 23.9543 | 3.5534 | 1.00000 |
| 800  | 3.4575  | .8301   | 1.0075 | 24.4523 | 3.5840 | 1.00000 |
| 900  | 3.5126  | .7792   | 1.0070 | 24.9108 | 3.6167 | 1.00000 |
| 1000 | 3.5623  | .7336   | 1.0066 | 25.3237 | 3.6504 | 1.00000 |
| 1100 | 3.6076  | .6923   | 1.0063 | 25.7036 | 3.6833 | 1.00000 |
| 1200 | 3.6494  | .6547   | 1.0059 | 26.0585 | 3.7169 | 1.00000 |
| 1300 | 3.6879  | .6201   | 1.0055 | 26.3919 | 3.7496 | 1.00000 |
| 1400 | 3.7238  | .5881   | 1.0052 | 26.6937 | 3.7814 | 1.00000 |
| 1500 | 3.7575  | .5582   | 1.0049 | 26.9959 | 3.8141 | 1.00000 |
| 1500 | 3.7575  | .5579   | 1.0050 | 27.0110 | 3.8139 | .99998  |
| 1600 | 3.7891  | .5300   | 1.0047 | 27.2901 | 3.8461 | .99998  |
| 1700 | 3.8191  | .5038   | 1.0045 | 27.5558 | 3.8780 | .99997  |
| 1800 | 3.8474  | .4790   | 1.0043 | 27.8099 | 3.9091 | .99998  |
| 1900 | 3.8744  | .4556   | 1.0041 | 28.0538 | 3.9408 | .99999  |
| 2000 | 3.9001  | .4334   | 1.0039 | 28.2886 | 3.9729 | 1.00000 |
| 2100 | 3.9248  | .4123   | 1.0037 | 28.5154 | 4.0047 | 1.00003 |
| 2200 | 3.9486  | .3922   | 1.0037 | 28.7351 | 4.0381 | 1.00009 |
| 2300 | 3.9715  | .3729   | 1.0036 | 28.9489 | 4.0712 | 1.00020 |
| 2400 | 3.9936  | .3544   | 1.0036 | 29.1577 | 4.1058 | 1.00038 |
| 2500 | 4.0152  | .3366   | 1.0038 | 29.3627 | 4.1428 | 1.00066 |
| 2600 | 4.0363  | .3194   | 1.0041 | 29.5647 | 4.1817 | 1.00109 |
| 2700 | 4.0570  | .3028   | 1.0046 | 29.7652 | 4.2231 | 1.00170 |
| 2800 | 4.0775  | .2867   | 1.0054 | 29.9654 | 4.2693 | 1.00257 |
| 2900 | 4.0978  | .2710   | 1.0065 | 30.1664 | 4.3196 | 1.00375 |

|      |        |        |        |         |         |         |
|------|--------|--------|--------|---------|---------|---------|
| 3000 | 4.1184 | .2556  | 1.0079 | 30.3723 | 4.3779  | 1.00532 |
| 3100 | 4.1388 | .2405  | 1.0099 | 30.5789 | 4.4403  | 1.00735 |
| 3200 | 4.1592 | .2257  | 1.0124 | 30.7898 | 4.5089  | 1.00993 |
| 3300 | 4.1799 | .2110  | 1.0155 | 31.0060 | 4.5852  | 1.01312 |
| 3400 | 4.2008 | .1964  | 1.0193 | 31.2284 | 4.6699  | 1.01700 |
| 3500 | 4.2218 | .1818  | 1.0239 | 31.4571 | 4.7614  | 1.02162 |
| 3600 | 4.2431 | .1674  | 1.0292 | 31.6926 | 4.8616  | 1.02704 |
| 3700 | 4.2644 | .1529  | 1.0354 | 31.9342 | 4.9683  | 1.03326 |
| 3800 | 4.2858 | .1384  | 1.0423 | 32.1817 | 5.0822  | 1.04026 |
| 3900 | 4.3071 | .1239  | 1.0500 | 32.4336 | 5.2006  | 1.04802 |
| 4000 | 4.3281 | .1095  | 1.0584 | 32.6883 | 5.3216  | 1.05645 |
| 4100 | 4.3488 | .0951  | 1.0673 | 32.9442 | 5.4446  | 1.06544 |
| 4200 | 4.3688 | .0808  | 1.0767 | 33.1986 | 5.5663  | 1.07483 |
| 4300 | 4.3882 | .0668  | 1.0862 | 33.4494 | 5.6852  | 1.08444 |
| 4400 | 4.4067 | .0529  | 1.0959 | 33.6944 | 5.7979  | 1.09413 |
| 4500 | 4.4244 | .0394  | 1.1054 | 33.9323 | 5.9047  | 1.10373 |
| 4600 | 4.4411 | .0262  | 1.1147 | 34.1608 | 6.0021  | 1.11305 |
| 4700 | 4.4568 | .0134  | 1.1236 | 34.3794 | 6.0905  | 1.12200 |
| 4800 | 4.4715 | .0010  | 1.1321 | 34.5880 | 6.1701  | 1.13047 |
| 4900 | 4.4855 | -.0110 | 1.1400 | 34.7867 | 6.2411  | 1.13844 |
| 5000 | 4.4991 | -.0224 | 1.1472 | 34.9834 | 6.3111  | 1.14562 |
| 5100 | 4.5115 | -.0337 | 1.1541 | 35.1652 | 6.3672  | 1.15257 |
| 5200 | 4.5234 | -.0445 | 1.1606 | 35.3401 | 6.4180  | 1.15909 |
| 5300 | 4.5349 | -.0551 | 1.1667 | 35.5095 | 6.4651  | 1.16524 |
| 5400 | 4.5460 | -.0654 | 1.1725 | 35.6759 | 6.5102  | 1.17112 |
| 5500 | 4.5569 | -.0754 | 1.1781 | 35.8398 | 6.5546  | 1.17677 |
| 5600 | 4.5677 | -.0853 | 1.1837 | 36.0039 | 6.6002  | 1.18236 |
| 5700 | 4.5786 | -.0950 | 1.1892 | 36.1692 | 6.6479  | 1.18792 |
| 5800 | 4.5895 | -.1046 | 1.1949 | 36.3364 | 6.6993  | 1.19356 |
| 5900 | 4.6005 | -.1141 | 1.2007 | 36.5078 | 6.7557  | 1.19937 |
| 6000 | 4.6118 | -.1236 | 1.2067 | 36.6842 | 6.8178  | 1.20543 |
| 6100 | 4.6234 | -.1331 | 1.2130 | 36.8668 | 6.8869  | 1.21181 |
| 6200 | 4.6353 | -.1425 | 1.2198 | 37.0561 | 6.9639  | 1.21860 |
| 6300 | 4.6475 | -.1521 | 1.2271 | 37.2540 | 7.0499  | 1.22589 |
| 6400 | 4.6602 | -.1617 | 1.2349 | 37.4615 | 7.1452  | 1.23371 |
| 6500 | 4.6733 | -.1714 | 1.2433 | 37.6791 | 7.2513  | 1.24219 |
| 6600 | 4.6869 | -.1812 | 1.2525 | 37.9080 | 7.3687  | 1.25139 |
| 6700 | 4.7010 | -.1911 | 1.2624 | 38.1483 | 7.4974  | 1.26132 |
| 6800 | 4.7156 | -.2013 | 1.2732 | 38.4027 | 7.6393  | 1.27212 |
| 6900 | 4.7306 | -.2116 | 1.2849 | 38.6693 | 7.7936  | 1.28379 |
| 7000 | 4.7461 | -.2221 | 1.2975 | 38.9514 | 7.9621  | 1.29645 |
| 7100 | 4.7621 | -.2328 | 1.3111 | 39.2467 | 8.1437  | 1.31008 |
| 7200 | 4.7785 | -.2437 | 1.3258 | 39.5574 | 8.3391  | 1.32475 |
| 7300 | 4.7952 | -.2548 | 1.3415 | 39.8824 | 8.5477  | 1.34046 |
| 7400 | 4.8123 | -.2661 | 1.3583 | 40.2240 | 8.7712  | 1.35732 |
| 7500 | 4.8297 | -.2776 | 1.3762 | 40.5794 | 9.0071  | 1.37522 |
| 7600 | 4.8473 | -.2893 | 1.3952 | 40.9495 | 9.2562  | 1.39424 |
| 7700 | 4.8650 | -.3012 | 1.4152 | 41.3318 | 9.5161  | 1.41426 |
| 7800 | 4.8828 | -.3132 | 1.4362 | 41.7277 | 9.7872  | 1.43530 |
| 7900 | 4.9006 | -.3253 | 1.4583 | 42.1353 | 10.0684 | 1.45734 |
| 8000 | 4.9184 | -.3376 | 1.4812 | 42.5532 | 10.3580 | 1.48026 |
| 8100 | 4.9359 | -.3498 | 1.5048 | 42.9783 | 10.6527 | 1.50387 |
| 8200 | 4.9533 | -.3621 | 1.5290 | 43.4099 | 10.9518 | 1.52815 |
| 8300 | 4.9703 | -.3743 | 1.5537 | 43.8442 | 11.2515 | 1.55281 |
| 8400 | 4.9869 | -.3864 | 1.5787 | 44.2803 | 11.5512 | 1.57785 |
| 8500 | 5.0031 | -.3985 | 1.6039 | 44.7160 | 11.8485 | 1.60305 |
| 8600 | 5.0187 | -.4103 | 1.6290 | 45.1469 | 12.1389 | 1.62814 |
| 8700 | 5.0336 | -.4218 | 1.6537 | 45.5698 | 12.4197 | 1.65289 |
| 8800 | 5.0480 | -.4332 | 1.6781 | 45.9844 | 12.6910 | 1.67729 |
| 8900 | 5.0617 | -.4442 | 1.7019 | 46.3888 | 12.9504 | 1.70115 |
| 9000 | 5.0746 | -.4549 | 1.7249 | 46.7790 | 13.1945 | 1.72418 |
| 9100 | 5.0869 | -.4652 | 1.7471 | 47.1553 | 13.4238 | 1.74639 |
| 9200 | 5.0985 | -.4752 | 1.7683 | 47.5146 | 13.6354 | 1.76753 |
| 9300 | 5.1093 | -.4848 | 1.7882 | 47.8563 | 13.8285 | 1.78753 |
| 9400 | 5.1194 | -.4940 | 1.8071 | 48.1815 | 14.0050 | 1.80648 |
| 9500 | 5.1289 | -.5028 | 1.8249 | 48.4902 | 14.1647 | 1.82431 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 9600  | 5.1378 | -.5113 | 1.8415 | 48.7811 | 14.3065 | 1.84093 |
| 9700  | 5.1461 | -.5194 | 1.8569 | 49.0546 | 14.4312 | 1.85634 |
| 9800  | 5.1538 | -.5272 | 1.8712 | 49.3130 | 14.5409 | 1.87071 |
| 9900  | 5.1611 | -.5347 | 1.8844 | 49.5558 | 14.6357 | 1.88396 |
| 10000 | 5.1678 | -.5418 | 1.8966 | 49.7841 | 14.7165 | 1.89618 |
| 10100 | 5.1742 | -.5487 | 1.9079 | 50.0003 | 14.7858 | 1.90751 |
| 10200 | 5.1801 | -.5554 | 1.9183 | 50.2042 | 14.8437 | 1.91796 |
| 10300 | 5.1858 | -.5618 | 1.9279 | 50.3978 | 14.8923 | 1.92765 |
| 10400 | 5.1912 | -.5680 | 1.9368 | 50.5816 | 14.9320 | 1.93661 |
| 10500 | 5.1962 | -.5740 | 1.9450 | 50.7565 | 14.9639 | 1.94490 |
| 10600 | 5.2011 | -.5798 | 1.9526 | 50.9245 | 14.9898 | 1.95266 |
| 10700 | 5.2058 | -.5854 | 1.9598 | 51.0855 | 15.0101 | 1.95990 |
| 10800 | 5.2103 | -.5910 | 1.9665 | 51.2408 | 15.0256 | 1.96669 |
| 10900 | 5.2146 | -.5964 | 1.9728 | 51.3915 | 15.0377 | 1.97314 |
| 11000 | 5.2188 | -.6017 | 1.9788 | 51.5378 | 15.0467 | 1.97926 |
| 11100 | 5.2230 | -.6068 | 1.9845 | 51.6807 | 15.0533 | 1.98510 |
| 11200 | 5.2270 | -.6119 | 1.9900 | 51.8209 | 15.0586 | 1.99074 |
| 11300 | 5.2310 | -.6169 | 1.9953 | 51.9585 | 15.0622 | 1.99617 |
| 11400 | 5.2349 | -.6219 | 2.0005 | 52.0945 | 15.0656 | 2.00149 |
| 11500 | 5.2388 | -.6268 | 2.0055 | 52.2296 | 15.0691 | 2.00672 |
| 11600 | 5.2426 | -.6316 | 2.0105 | 52.3635 | 15.0725 | 2.01188 |
| 11700 | 5.2465 | -.6364 | 2.0154 | 52.4971 | 15.0767 | 2.01700 |
| 11800 | 5.2503 | -.6412 | 2.0203 | 52.6305 | 15.0818 | 2.02213 |
| 11900 | 5.2542 | -.6459 | 2.0252 | 52.7643 | 15.0883 | 2.02728 |
| 12000 | 5.2581 | -.6506 | 2.0302 | 52.8984 | 15.0962 | 2.03247 |
| 12100 | 5.2619 | -.6552 | 2.0352 | 53.0334 | 15.1059 | 2.03773 |
| 12200 | 5.2658 | -.6599 | 2.0403 | 53.1695 | 15.1175 | 2.04309 |
| 12300 | 5.2698 | -.6645 | 2.0454 | 53.3067 | 15.1317 | 2.04856 |
| 12400 | 5.2738 | -.6692 | 2.0507 | 53.4455 | 15.1475 | 2.05414 |
| 12500 | 5.2778 | -.6738 | 2.0561 | 53.5860 | 15.1662 | 2.05988 |
| 12600 | 5.2819 | -.6784 | 2.0617 | 53.7282 | 15.1875 | 2.06577 |
| 12700 | 5.2860 | -.6831 | 2.0674 | 53.8724 | 15.2116 | 2.07185 |
| 12800 | 5.2902 | -.6877 | 2.0732 | 54.0187 | 15.2385 | 2.07810 |
| 12900 | 5.2944 | -.6924 | 2.0793 | 54.1674 | 15.2685 | 2.08457 |
| 13000 | 5.2987 | -.6970 | 2.0855 | 54.3185 | 15.3016 | 2.09125 |
| 13100 | 5.3030 | -.7017 | 2.0919 | 54.4721 | 15.3377 | 2.09816 |
| 13200 | 5.3075 | -.7064 | 2.0986 | 54.6263 | 15.3772 | 2.10530 |
| 13300 | 5.3119 | -.7111 | 2.1055 | 54.7873 | 15.4200 | 2.11270 |
| 13400 | 5.3165 | -.7158 | 2.1126 | 54.9492 | 15.4662 | 2.12035 |
| 13500 | 5.3211 | -.7205 | 2.1199 | 55.1140 | 15.5159 | 2.12827 |
| 13600 | 5.3258 | -.7253 | 2.1275 | 55.2819 | 15.5690 | 2.13647 |
| 13700 | 5.3306 | -.7301 | 2.1354 | 55.4528 | 15.6257 | 2.14496 |
| 13800 | 5.3354 | -.7349 | 2.1435 | 55.6269 | 15.6860 | 2.15373 |
| 13900 | 5.3403 | -.7397 | 2.1519 | 55.8042 | 15.7499 | 2.16281 |
| 14000 | 5.3453 | -.7446 | 2.1606 | 55.9867 | 15.8192 | 2.17221 |
| 14100 | 5.3503 | -.7494 | 2.1696 | 56.1689 | 15.8886 | 2.18192 |
| 14200 | 5.3554 | -.7544 | 2.1788 | 56.3565 | 15.9636 | 2.19195 |
| 14300 | 5.3606 | -.7593 | 2.1884 | 56.5473 | 16.0421 | 2.20231 |
| 14400 | 5.3659 | -.7643 | 2.1983 | 56.7418 | 16.1245 | 2.21301 |
| 14500 | 5.3712 | -.7693 | 2.2084 | 56.9397 | 16.2105 | 2.22405 |
| 14600 | 5.3765 | -.7744 | 2.2189 | 57.1410 | 16.3001 | 2.23541 |
| 14700 | 5.3820 | -.7794 | 2.2297 | 57.3461 | 16.3936 | 2.24715 |
| 14800 | 5.3875 | -.7845 | 2.2409 | 57.5548 | 16.4908 | 2.25924 |
| 14900 | 5.3931 | -.7897 | 2.2523 | 57.7668 | 16.5915 | 2.27168 |
| 15000 | 5.3987 | -.7948 | 2.2641 | 57.9824 | 16.6958 | 2.28447 |

LOG P= 1.4

| T   | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|-----|---------|---------|--------|---------|--------|---------|
| 200 | 2.8156  | 1.5615  | .9417  | 19.1191 | 3.2704 | 1.00000 |
| 300 | 3.0125  | 1.3618  | .9943  | 20.6445 | 3.4303 | 1.00000 |
| 400 | 3.1431  | 1.2318  | 1.0059 | 21.6829 | 3.4756 | 1.00000 |
| 500 | 3.2429  | 1.1336  | 1.0090 | 22.4693 | 3.4990 | 1.00000 |
| 600 | 3.3253  | 1.0541  | 1.0097 | 23.1498 | 3.5251 | 1.00000 |
| 700 | 3.3958  | .9871   | 1.0097 | 23.7240 | 3.5537 | 1.00000 |

|      |        |        |        |         |        |         |
|------|--------|--------|--------|---------|--------|---------|
| 800  | 3.4575 | .9293  | 1.0094 | 24.2197 | 3.5846 | 1.00000 |
| 900  | 3.5127 | .8784  | 1.0088 | 24.6829 | 3.6178 | 1.00000 |
| 1000 | 3.5625 | .8328  | 1.0083 | 25.0947 | 3.6516 | 1.00000 |
| 1100 | 3.6078 | .7916  | 1.0079 | 25.4752 | 3.6845 | 1.00000 |
| 1200 | 3.6495 | .7540  | 1.0074 | 25.8271 | 3.7180 | 1.00000 |
| 1300 | 3.6881 | .7195  | 1.0070 | 26.1588 | 3.7507 | 1.00000 |
| 1400 | 3.7239 | .6875  | 1.0065 | 26.4659 | 3.7824 | 1.00000 |
| 1500 | 3.7576 | .6545  | 1.0061 | 26.7627 | 3.8152 | 1.00000 |
| 1500 | 3.7576 | .6573  | 1.0063 | 26.7806 | 3.8150 | .99998  |
| 1600 | 3.7893 | .6294  | 1.0060 | 27.0597 | 3.8472 | .99998  |
| 1700 | 3.8192 | .6033  | 1.0057 | 27.3254 | 3.8790 | .99997  |
| 1800 | 3.8475 | .5786  | 1.0054 | 27.5796 | 3.9101 | .99997  |
| 1900 | 3.8745 | .5552  | 1.0051 | 27.8235 | 3.9418 | .99998  |
| 2000 | 3.9002 | .5330  | 1.0049 | 28.0582 | 3.9738 | .99999  |
| 2100 | 3.9249 | .5119  | 1.0047 | 28.2849 | 4.0054 | 1.00002 |
| 2200 | 3.9487 | .4918  | 1.0045 | 28.5044 | 4.0386 | 1.00007 |
| 2300 | 3.9715 | .4725  | 1.0044 | 28.7179 | 4.0714 | 1.00017 |
| 2400 | 3.9936 | .4540  | 1.0044 | 28.9262 | 4.1055 | 1.00033 |
| 2500 | 4.0151 | .4363  | 1.0045 | 29.1304 | 4.1417 | 1.00058 |
| 2600 | 4.0361 | .4191  | 1.0048 | 29.3313 | 4.1796 | 1.00096 |
| 2700 | 4.0566 | .4026  | 1.0052 | 29.5303 | 4.2196 | 1.00151 |
| 2800 | 4.0770 | .3865  | 1.0058 | 29.7284 | 4.2639 | 1.00228 |
| 2900 | 4.0971 | .3708  | 1.0067 | 29.9268 | 4.3117 | 1.00333 |
| 3000 | 4.1173 | .3556  | 1.0080 | 30.1292 | 4.3669 | 1.00473 |
| 3100 | 4.1373 | .3406  | 1.0097 | 30.3316 | 4.4255 | 1.00655 |
| 3200 | 4.1574 | .3259  | 1.0119 | 30.5374 | 4.4895 | 1.00885 |
| 3300 | 4.1775 | .3113  | 1.0147 | 30.7476 | 4.5604 | 1.01171 |
| 3400 | 4.1979 | .2969  | 1.0181 | 30.9629 | 4.6389 | 1.01520 |
| 3500 | 4.2183 | .2826  | 1.0222 | 31.1837 | 4.7236 | 1.01936 |
| 3600 | 4.2390 | .2683  | 1.0270 | 31.4106 | 4.8163 | 1.02425 |
| 3700 | 4.2597 | .2540  | 1.0325 | 31.6430 | 4.9150 | 1.02989 |
| 3800 | 4.2806 | .2398  | 1.0389 | 31.8807 | 5.0209 | 1.03628 |
| 3900 | 4.3013 | .2256  | 1.0459 | 32.1230 | 5.1312 | 1.04339 |
| 4000 | 4.3218 | .2114  | 1.0536 | 32.3683 | 5.2447 | 1.05117 |
| 4100 | 4.3420 | .1973  | 1.0619 | 32.6154 | 5.3610 | 1.05953 |
| 4200 | 4.3618 | .1833  | 1.0707 | 32.8621 | 5.4771 | 1.06835 |
| 4300 | 4.3810 | .1694  | 1.0797 | 33.1067 | 5.5919 | 1.07748 |
| 4400 | 4.3995 | .1557  | 1.0890 | 33.3470 | 5.7021 | 1.08678 |
| 4500 | 4.4172 | .1422  | 1.0983 | 33.5819 | 5.8080 | 1.09612 |
| 4600 | 4.4341 | .1291  | 1.1074 | 33.8089 | 5.9060 | 1.10530 |
| 4700 | 4.4500 | .1163  | 1.1163 | 34.0274 | 5.9964 | 1.11421 |
| 4800 | 4.4651 | .1038  | 1.1248 | 34.2370 | 6.0788 | 1.12277 |
| 4900 | 4.4793 | .0918  | 1.1329 | 34.4374 | 6.1534 | 1.13090 |
| 5000 | 4.4933 | .0802  | 1.1402 | 34.6364 | 6.2275 | 1.13828 |
| 5100 | 4.5060 | .0689  | 1.1474 | 34.8203 | 6.2872 | 1.14548 |
| 5200 | 4.5182 | .0579  | 1.1541 | 34.9968 | 6.3413 | 1.15224 |
| 5300 | 4.5299 | .0473  | 1.1604 | 35.1675 | 6.3910 | 1.15862 |
| 5400 | 4.5411 | .0369  | 1.1665 | 35.3343 | 6.4379 | 1.16470 |
| 5500 | 4.5522 | .0268  | 1.1722 | 35.4978 | 6.4832 | 1.17051 |
| 5600 | 4.5630 | .0169  | 1.1779 | 35.6604 | 6.5286 | 1.17621 |
| 5700 | 4.5738 | .0071  | 1.1835 | 35.8232 | 6.5750 | 1.18182 |
| 5800 | 4.5846 | -.0025 | 1.1891 | 35.9866 | 6.6239 | 1.18743 |
| 5900 | 4.5954 | -.0120 | 1.1948 | 36.1531 | 6.6767 | 1.19314 |
| 6000 | 4.6064 | -.0214 | 1.2006 | 36.3233 | 6.7340 | 1.19902 |
| 6100 | 4.6177 | -.0308 | 1.2067 | 36.4984 | 6.7971 | 1.20515 |
| 6200 | 4.6292 | -.0402 | 1.2131 | 36.6789 | 6.8668 | 1.21160 |
| 6300 | 4.6410 | -.0495 | 1.2200 | 36.8666 | 6.9443 | 1.21847 |
| 6400 | 4.6531 | -.0590 | 1.2273 | 37.0626 | 7.0297 | 1.22578 |
| 6500 | 4.6657 | -.0685 | 1.2351 | 37.2671 | 7.1246 | 1.23365 |
| 6600 | 4.6787 | -.0781 | 1.2436 | 37.4815 | 7.2296 | 1.24215 |
| 6700 | 4.6921 | -.0878 | 1.2527 | 37.7060 | 7.3447 | 1.25128 |
| 6800 | 4.7059 | -.0976 | 1.2626 | 37.9429 | 7.4715 | 1.26118 |
| 6900 | 4.7202 | -.1076 | 1.2732 | 38.1906 | 7.6094 | 1.27185 |
| 7000 | 4.7350 | -.1178 | 1.2847 | 38.4523 | 7.7602 | 1.28342 |
| 7100 | 4.7502 | -.1281 | 1.2972 | 38.7258 | 7.9230 | 1.29586 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 7200  | 4.7657 | -.1386 | 1.3105 | 39.0135 | 8.0986  | 1.30923 |
| 7300  | 4.7817 | -.1493 | 1.3248 | 39.3142 | 8.2864  | 1.32357 |
| 7400  | 4.7981 | -.1603 | 1.3402 | 39.6305 | 8.4883  | 1.33897 |
| 7500  | 4.8147 | -.1714 | 1.3566 | 39.9598 | 8.7020  | 1.35533 |
| 7600  | 4.8316 | -.1827 | 1.3740 | 40.3031 | 8.9286  | 1.37278 |
| 7700  | 4.8487 | -.1941 | 1.3924 | 40.6585 | 9.1660  | 1.39118 |
| 7800  | 4.8659 | -.2057 | 1.4118 | 41.0274 | 9.4148  | 1.41060 |
| 7900  | 4.8833 | -.2175 | 1.4322 | 41.4086 | 9.6745  | 1.43102 |
| 8000  | 4.9006 | -.2294 | 1.4535 | 41.8009 | 9.9437  | 1.45238 |
| 8100  | 4.9179 | -.2413 | 1.4756 | 42.2020 | 10.2194 | 1.47450 |
| 8200  | 4.9351 | -.2533 | 1.4985 | 42.6112 | 10.5016 | 1.49738 |
| 8300  | 4.9520 | -.2653 | 1.5219 | 43.0255 | 10.7868 | 1.52082 |
| 8400  | 4.9686 | -.2773 | 1.5459 | 43.4444 | 11.0748 | 1.54478 |
| 8500  | 4.9849 | -.2892 | 1.5702 | 43.8660 | 11.3636 | 1.56912 |
| 8600  | 5.0008 | -.3010 | 1.5946 | 44.2860 | 11.6488 | 1.59357 |
| 8700  | 5.0161 | -.3126 | 1.6190 | 44.7017 | 11.9282 | 1.61793 |
| 8800  | 5.0309 | -.3240 | 1.6432 | 45.1128 | 12.2016 | 1.64219 |
| 8900  | 5.0452 | -.3352 | 1.6672 | 45.5174 | 12.4669 | 1.66618 |
| 9000  | 5.0587 | -.3461 | 1.6906 | 45.9115 | 12.7202 | 1.68960 |
| 9100  | 5.0717 | -.3568 | 1.7134 | 46.2949 | 12.9618 | 1.71245 |
| 9200  | 5.0840 | -.3670 | 1.7354 | 46.6643 | 13.1885 | 1.73445 |
| 9300  | 5.0956 | -.3770 | 1.7564 | 47.0185 | 13.3989 | 1.75549 |
| 9400  | 5.1065 | -.3866 | 1.7765 | 47.3584 | 13.5944 | 1.77563 |
| 9500  | 5.1168 | -.3958 | 1.7956 | 47.6833 | 13.7746 | 1.79480 |
| 9600  | 5.1265 | -.4047 | 1.8136 | 47.9913 | 13.9374 | 1.81282 |
| 9700  | 5.1355 | -.4132 | 1.8305 | 48.2822 | 14.0833 | 1.82969 |
| 9800  | 5.1440 | -.4214 | 1.8463 | 48.5583 | 14.2143 | 1.84554 |
| 9900  | 5.1519 | -.4292 | 1.8609 | 48.8186 | 14.3296 | 1.86026 |
| 10000 | 5.1593 | -.4368 | 1.8745 | 49.0638 | 14.4303 | 1.87391 |
| 10100 | 5.1663 | -.4440 | 1.8872 | 49.2961 | 14.5186 | 1.88663 |
| 10200 | 5.1728 | -.4510 | 1.8989 | 49.5151 | 14.5942 | 1.89840 |
| 10300 | 5.1790 | -.4577 | 1.9098 | 49.7230 | 14.6594 | 1.90935 |
| 10400 | 5.1848 | -.4642 | 1.9198 | 49.9198 | 14.7143 | 1.91947 |
| 10500 | 5.1903 | -.4704 | 1.9291 | 50.1065 | 14.7600 | 1.92884 |
| 10600 | 5.1955 | -.4765 | 1.9378 | 50.2849 | 14.7983 | 1.93759 |
| 10700 | 5.2005 | -.4823 | 1.9458 | 50.4553 | 14.8296 | 1.94572 |
| 10800 | 5.2053 | -.4881 | 1.9533 | 50.6186 | 14.8548 | 1.95331 |
| 10900 | 5.2099 | -.4936 | 1.9604 | 50.7762 | 14.8754 | 1.96047 |
| 11000 | 5.2143 | -.4991 | 1.9670 | 50.9284 | 14.8916 | 1.96722 |
| 11100 | 5.2186 | -.5044 | 1.9733 | 51.0759 | 14.9043 | 1.97359 |
| 11200 | 5.2228 | -.5096 | 1.9792 | 51.2198 | 14.9146 | 1.97970 |
| 11300 | 5.2269 | -.5147 | 1.9849 | 51.3600 | 14.9222 | 1.98551 |
| 11400 | 5.2309 | -.5197 | 1.9904 | 51.4979 | 14.9286 | 1.99113 |
| 11500 | 5.2349 | -.5246 | 1.9957 | 51.6339 | 14.9341 | 1.99662 |
| 11600 | 5.2388 | -.5295 | 2.0008 | 51.7678 | 14.9387 | 2.00194 |
| 11700 | 5.2426 | -.5343 | 2.0059 | 51.9008 | 14.9434 | 2.00718 |
| 11800 | 5.2465 | -.5391 | 2.0108 | 52.0328 | 14.9482 | 2.01236 |
| 11900 | 5.2503 | -.5438 | 2.0158 | 52.1646 | 14.9538 | 2.01752 |
| 12000 | 5.2541 | -.5485 | 2.0207 | 52.2959 | 14.9600 | 2.02265 |
| 12100 | 5.2579 | -.5532 | 2.0256 | 52.4275 | 14.9674 | 2.02782 |
| 12200 | 5.2618 | -.5578 | 2.0305 | 52.5596 | 14.9763 | 2.03302 |
| 12300 | 5.2656 | -.5624 | 2.0355 | 52.6924 | 14.9869 | 2.03829 |
| 12400 | 5.2695 | -.5670 | 2.0405 | 52.8260 | 14.9990 | 2.04364 |
| 12500 | 5.2734 | -.5716 | 2.0457 | 52.9608 | 15.0133 | 2.04909 |
| 12600 | 5.2773 | -.5762 | 2.0509 | 53.0968 | 15.0297 | 2.05466 |
| 12700 | 5.2813 | -.5807 | 2.0562 | 53.2344 | 15.0483 | 2.06037 |
| 12800 | 5.2853 | -.5853 | 2.0617 | 53.3736 | 15.0694 | 2.06621 |
| 12900 | 5.2894 | -.5899 | 2.0673 | 53.5147 | 15.0931 | 2.07224 |
| 13000 | 5.2935 | -.5944 | 2.0731 | 53.6576 | 15.1194 | 2.07843 |
| 13100 | 5.2976 | -.5990 | 2.0790 | 53.8027 | 15.1485 | 2.08481 |
| 13200 | 5.3019 | -.6036 | 2.0851 | 53.9499 | 15.1804 | 2.09139 |
| 13300 | 5.3061 | -.6082 | 2.0914 | 54.0995 | 15.2153 | 2.09819 |
| 13400 | 5.3105 | -.6128 | 2.0979 | 54.2514 | 15.2531 | 2.10521 |
| 13500 | 5.3149 | -.6174 | 2.1046 | 54.4059 | 15.2941 | 2.11247 |
| 13600 | 5.3193 | -.6220 | 2.1116 | 54.5631 | 15.3382 | 2.11996 |
| 13700 | 5.3238 | -.6266 | 2.1187 | 54.7229 | 15.3855 | 2.12771 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 13800 | 5.3284 | -.6313 | 2.1261 | 54.8854 | 15.4359 | 2.13571 |
| 13900 | 5.3331 | -.6360 | 2.1337 | 55.0507 | 15.4897 | 2.14399 |
| 14000 | 5.3378 | -.6407 | 2.1415 | 55.2207 | 15.5484 | 2.15252 |
| 14100 | 5.3425 | -.6454 | 2.1496 | 55.3903 | 15.6072 | 2.16136 |
| 14200 | 5.3474 | -.6502 | 2.1580 | 55.5646 | 15.6710 | 2.17048 |
| 14300 | 5.3523 | -.6550 | 2.1667 | 55.7419 | 15.7381 | 2.17989 |
| 14400 | 5.3573 | -.6598 | 2.1756 | 55.9225 | 15.8088 | 2.18961 |
| 14500 | 5.3623 | -.6646 | 2.1848 | 56.1062 | 15.8828 | 2.19964 |
| 14600 | 5.3674 | -.6695 | 2.1942 | 56.2928 | 15.9600 | 2.20996 |
| 14700 | 5.3726 | -.6744 | 2.2040 | 56.4829 | 16.0409 | 2.22062 |
| 14800 | 5.3778 | -.6793 | 2.2140 | 56.6763 | 16.1252 | 2.23160 |
| 14900 | 5.3830 | -.6842 | 2.2243 | 56.8727 | 16.2128 | 2.24290 |
| 15000 | 5.3884 | -.6892 | 2.2350 | 57.0724 | 16.3037 | 2.25453 |

LOG P= 1.5

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 200  | 2.8080  | 1.6682  | .9271  | 18.8460 | 3.2136 | 1.00000 |
| 300  | 3.0105  | 1.4622  | .9933  | 20.4000 | 3.4151 | 1.00000 |
| 400  | 3.1425  | 1.3311  | 1.0076 | 21.4466 | 3.4707 | 1.00000 |
| 500  | 3.2427  | 1.2325  | 1.0115 | 22.2391 | 3.4969 | 1.00000 |
| 600  | 3.3253  | 1.1529  | 1.0123 | 22.9206 | 3.5247 | 1.00000 |
| 700  | 3.3958  | 1.0860  | 1.0122 | 23.4895 | 3.5542 | 1.00000 |
| 800  | 3.4577  | 1.0283  | 1.0117 | 23.9875 | 3.5857 | 1.00000 |
| 900  | 3.5129  | .9774   | 1.0111 | 24.4538 | 3.6192 | 1.00000 |
| 1000 | 3.5626  | .9319   | 1.0105 | 24.8673 | 3.6526 | 1.00000 |
| 1100 | 3.6079  | .8908   | 1.0099 | 25.2496 | 3.6860 | 1.00000 |
| 1200 | 3.6496  | .8532   | 1.0093 | 25.5951 | 3.7194 | 1.00000 |
| 1300 | 3.6882  | .8187   | 1.0088 | 25.9283 | 3.7522 | 1.00000 |
| 1400 | 3.7241  | .7868   | 1.0081 | 26.2393 | 3.7840 | 1.00000 |
| 1500 | 3.7578  | .7534   | 1.0077 | 26.5320 | 3.8166 | 1.00000 |
| 1500 | 3.7578  | .7566   | 1.0079 | 26.5501 | 3.8164 | .99998  |
| 1600 | 3.7894  | .7288   | 1.0075 | 26.8292 | 3.8486 | .99997  |
| 1700 | 3.8193  | .7026   | 1.0071 | 27.0950 | 3.8803 | .99997  |
| 1800 | 3.8476  | .6780   | 1.0067 | 27.3492 | 3.9114 | .99997  |
| 1900 | 3.8746  | .6546   | 1.0064 | 27.5931 | 3.9430 | .99997  |
| 2000 | 3.9004  | .6325   | 1.0061 | 27.8278 | 3.9749 | .99999  |
| 2100 | 3.9250  | .6114   | 1.0059 | 28.0544 | 4.0064 | 1.00001 |
| 2200 | 3.9487  | .5913   | 1.0057 | 28.2738 | 4.0394 | 1.00005 |
| 2300 | 3.9715  | .5720   | 1.0055 | 28.4869 | 4.0718 | 1.00014 |
| 2400 | 3.9936  | .5536   | 1.0054 | 28.6948 | 4.1055 | 1.00028 |
| 2500 | 4.0151  | .5358   | 1.0055 | 28.8983 | 4.1411 | 1.00051 |
| 2600 | 4.0359  | .5188   | 1.0056 | 29.0983 | 4.1780 | 1.00084 |
| 2700 | 4.0563  | .5022   | 1.0059 | 29.2959 | 4.2166 | 1.00133 |
| 2800 | 4.0765  | .4862   | 1.0064 | 29.4922 | 4.2593 | 1.00202 |
| 2900 | 4.0964  | .4706   | 1.0072 | 29.6881 | 4.3049 | 1.00296 |
| 3000 | 4.1164  | .4554   | 1.0083 | 29.8875 | 4.3574 | 1.00421 |
| 3100 | 4.1361  | .4405   | 1.0098 | 30.0861 | 4.4125 | 1.00583 |
| 3200 | 4.1557  | .4259   | 1.0118 | 30.2873 | 4.4724 | 1.00789 |
| 3300 | 4.1754  | .4115   | 1.0142 | 30.4920 | 4.5385 | 1.01045 |
| 3400 | 4.1953  | .3973   | 1.0172 | 30.7010 | 4.6114 | 1.01358 |
| 3500 | 4.2152  | .3831   | 1.0208 | 30.9146 | 4.6897 | 1.01732 |
| 3600 | 4.2353  | .3691   | 1.0252 | 31.1336 | 4.7756 | 1.02173 |
| 3700 | 4.2555  | .3550   | 1.0302 | 31.3574 | 4.8669 | 1.02684 |
| 3800 | 4.2757  | .3411   | 1.0359 | 31.5861 | 4.9651 | 1.03264 |
| 3900 | 4.2959  | .3271   | 1.0423 | 31.8192 | 5.0678 | 1.03914 |
| 4000 | 4.3159  | .3132   | 1.0494 | 32.0553 | 5.1739 | 1.04629 |
| 4100 | 4.3357  | .2993   | 1.0570 | 32.2938 | 5.2833 | 1.05403 |
| 4200 | 4.3551  | .2855   | 1.0652 | 32.5326 | 5.3934 | 1.06226 |
| 4300 | 4.3741  | .2718   | 1.0737 | 32.7703 | 5.5033 | 1.07086 |
| 4400 | 4.3924  | .2583   | 1.0825 | 33.0050 | 5.6100 | 1.07972 |
| 4500 | 4.4102  | .2449   | 1.0914 | 33.2357 | 5.7139 | 1.08871 |
| 4600 | 4.4270  | .2319   | 1.1003 | 33.4601 | 5.8114 | 1.09766 |
| 4700 | 4.4431  | .2191   | 1.1090 | 33.6774 | 5.9026 | 1.10646 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 4800  | 4.4585 | .2067  | 1.1175 | 33.8869 | 5.9869  | 1.11500 |
| 4900  | 4.4730 | .1945  | 1.1257 | 34.0882 | 6.0642  | 1.12320 |
| 5000  | 4.4873 | .1829  | 1.1332 | 34.2889 | 6.1417  | 1.13073 |
| 5100  | 4.5003 | .1715  | 1.1405 | 34.4744 | 6.2047  | 1.13811 |
| 5200  | 4.5127 | .1604  | 1.1474 | 34.6525 | 6.2619  | 1.14509 |
| 5300  | 4.5246 | .1497  | 1.1540 | 34.8244 | 6.3144  | 1.15168 |
| 5400  | 4.5361 | .1392  | 1.1602 | 34.9920 | 6.3634  | 1.15796 |
| 5500  | 4.5472 | .1290  | 1.1661 | 35.1554 | 6.4100  | 1.16395 |
| 5600  | 4.5581 | .1191  | 1.1719 | 35.3172 | 6.4558  | 1.16978 |
| 5700  | 4.5689 | .1093  | 1.1775 | 35.4781 | 6.5017  | 1.17545 |
| 5800  | 4.5796 | .0997  | 1.1831 | 35.6387 | 6.5491  | 1.18109 |
| 5900  | 4.5903 | .0902  | 1.1888 | 35.8011 | 6.5992  | 1.18675 |
| 6000  | 4.6012 | .0808  | 1.1945 | 35.9663 | 6.6527  | 1.19252 |
| 6100  | 4.6121 | .0715  | 1.2004 | 36.1352 | 6.7110  | 1.19846 |
| 6200  | 4.6233 | .0622  | 1.2066 | 36.3081 | 6.7746  | 1.20465 |
| 6300  | 4.6347 | .0529  | 1.2131 | 36.4871 | 6.8448  | 1.21118 |
| 6400  | 4.6464 | .0436  | 1.2199 | 36.6730 | 6.9218  | 1.21807 |
| 6500  | 4.6585 | .0343  | 1.2272 | 36.8662 | 7.0071  | 1.22542 |
| 6600  | 4.6709 | .0249  | 1.2351 | 37.0678 | 7.1012  | 1.23332 |
| 6700  | 4.6837 | .0154  | 1.2435 | 37.2781 | 7.2042  | 1.24176 |
| 6800  | 4.6969 | .0058  | 1.2526 | 37.4995 | 7.3176  | 1.25087 |
| 6900  | 4.7105 | -.0039 | 1.2624 | 37.7303 | 7.4409  | 1.26067 |
| 7000  | 4.7245 | -.0138 | 1.2729 | 37.9736 | 7.5759  | 1.27125 |
| 7100  | 4.7390 | -.0238 | 1.2843 | 38.2274 | 7.7218  | 1.28262 |
| 7200  | 4.7538 | -.0340 | 1.2965 | 38.4941 | 7.8793  | 1.29483 |
| 7300  | 4.7690 | -.0443 | 1.3095 | 38.7727 | 8.0482  | 1.30792 |
| 7400  | 4.7846 | -.0548 | 1.3236 | 39.0656 | 8.2300  | 1.32198 |
| 7500  | 4.8005 | -.0655 | 1.3385 | 39.3706 | 8.4231  | 1.33693 |
| 7600  | 4.8167 | -.0764 | 1.3544 | 39.6888 | 8.6284  | 1.35290 |
| 7700  | 4.8332 | -.0875 | 1.3713 | 40.0187 | 8.8443  | 1.36978 |
| 7800  | 4.8498 | -.0987 | 1.3891 | 40.3618 | 9.0716  | 1.38764 |
| 7900  | 4.8666 | -.1101 | 1.4080 | 40.7170 | 9.3097  | 1.40648 |
| 8000  | 4.8835 | -.1216 | 1.4277 | 41.0836 | 9.5580  | 1.42626 |
| 8100  | 4.9003 | -.1332 | 1.4483 | 41.4599 | 9.8138  | 1.44685 |
| 8200  | 4.9172 | -.1449 | 1.4697 | 41.8453 | 10.0775 | 1.46824 |
| 8300  | 4.9339 | -.1566 | 1.4917 | 42.2377 | 10.3460 | 1.49029 |
| 8400  | 4.9504 | -.1684 | 1.5144 | 42.6364 | 10.6193 | 1.51300 |
| 8500  | 4.9667 | -.1801 | 1.5376 | 43.0404 | 10.8959 | 1.53624 |
| 8600  | 4.9826 | -.1918 | 1.5611 | 43.4457 | 11.1719 | 1.55977 |
| 8700  | 4.9982 | -.2033 | 1.5847 | 43.8498 | 11.4453 | 1.58343 |
| 8800  | 5.0133 | -.2148 | 1.6085 | 44.2526 | 11.7159 | 1.60722 |
| 8900  | 5.0279 | -.2260 | 1.6323 | 44.6524 | 11.9819 | 1.63098 |
| 9000  | 5.0420 | -.2371 | 1.6557 | 45.0451 | 12.2391 | 1.65442 |
| 9100  | 5.0555 | -.2479 | 1.6787 | 45.4305 | 12.4880 | 1.67752 |
| 9200  | 5.0684 | -.2584 | 1.7012 | 45.8050 | 12.7247 | 1.70001 |
| 9300  | 5.0807 | -.2686 | 1.7229 | 46.1672 | 12.9481 | 1.72175 |
| 9400  | 5.0923 | -.2785 | 1.7439 | 46.5175 | 13.1587 | 1.74279 |
| 9500  | 5.1034 | -.2881 | 1.7641 | 46.8550 | 13.3560 | 1.76302 |
| 9600  | 5.1138 | -.2974 | 1.7833 | 47.1773 | 13.5375 | 1.78224 |
| 9700  | 5.1236 | -.3063 | 1.8015 | 47.4839 | 13.7031 | 1.80042 |
| 9800  | 5.1328 | -.3148 | 1.8186 | 47.7764 | 13.8543 | 1.81765 |
| 9900  | 5.1415 | -.3231 | 1.8347 | 48.0535 | 13.9901 | 1.83380 |
| 10000 | 5.1496 | -.3310 | 1.8498 | 48.3155 | 14.1109 | 1.84888 |
| 10100 | 5.1572 | -.3386 | 1.8639 | 48.5644 | 14.2188 | 1.86303 |
| 10200 | 5.1643 | -.3459 | 1.8770 | 48.7995 | 14.3133 | 1.87618 |
| 10300 | 5.1711 | -.3530 | 1.8892 | 49.0227 | 14.3965 | 1.88848 |
| 10400 | 5.1775 | -.3598 | 1.9005 | 49.2338 | 14.4682 | 1.89988 |
| 10500 | 5.1834 | -.3663 | 1.9110 | 49.4338 | 14.5293 | 1.91044 |
| 10600 | 5.1891 | -.3726 | 1.9208 | 49.6245 | 14.5821 | 1.92032 |
| 10700 | 5.1945 | -.3788 | 1.9299 | 49.8059 | 14.6264 | 1.92949 |
| 10800 | 5.1997 | -.3847 | 1.9383 | 49.9791 | 14.6633 | 1.93802 |
| 10900 | 5.2046 | -.3905 | 1.9462 | 50.1454 | 14.6943 | 1.94605 |
| 11000 | 5.2093 | -.3961 | 1.9536 | 50.3052 | 14.7198 | 1.95356 |
| 11100 | 5.2138 | -.4016 | 1.9606 | 50.4592 | 14.7404 | 1.96062 |
| 11200 | 5.2182 | -.4069 | 1.9672 | 50.6086 | 14.7577 | 1.96734 |
| 11300 | 5.2225 | -.4121 | 1.9733 | 50.7532 | 14.7709 | 1.97366 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 11400 | 5.2266 | -.4173 | 1.9793 | 50.8945 | 14.7821 | 1.97973 |
| 11500 | 5.2307 | -.4223 | 1.9850 | 51.0332 | 14.7916 | 1.98560 |
| 11600 | 5.2347 | -.4273 | 1.9904 | 51.1687 | 14.7991 | 1.99122 |
| 11700 | 5.2386 | -.4321 | 1.9957 | 51.3026 | 14.8059 | 1.99671 |
| 11800 | 5.2425 | -.4370 | 2.0009 | 51.4347 | 14.8120 | 2.00207 |
| 11900 | 5.2463 | -.4417 | 2.0059 | 51.5659 | 14.8182 | 2.00735 |
| 12000 | 5.2502 | -.4464 | 2.0109 | 51.6959 | 14.8241 | 2.01254 |
| 12100 | 5.2540 | -.4511 | 2.0158 | 51.8256 | 14.8308 | 2.01771 |
| 12200 | 5.2577 | -.4557 | 2.0207 | 51.9550 | 14.8381 | 2.02287 |
| 12300 | 5.2615 | -.4603 | 2.0256 | 52.0847 | 14.8468 | 2.02806 |
| 12400 | 5.2653 | -.4649 | 2.0305 | 52.2145 | 14.8562 | 2.03326 |
| 12500 | 5.2691 | -.4694 | 2.0355 | 52.3450 | 14.8673 | 2.03854 |
| 12600 | 5.2730 | -.4740 | 2.0405 | 52.4762 | 14.8801 | 2.04388 |
| 12700 | 5.2768 | -.4785 | 2.0456 | 52.6084 | 14.8946 | 2.04932 |
| 12800 | 5.2807 | -.4830 | 2.0508 | 52.7418 | 14.9110 | 2.05485 |
| 12900 | 5.2846 | -.4875 | 2.0560 | 52.8765 | 14.9297 | 2.06053 |
| 13000 | 5.2886 | -.4920 | 2.0614 | 53.0127 | 14.9505 | 2.06634 |
| 13100 | 5.2926 | -.4965 | 2.0670 | 53.1504 | 14.9736 | 2.07229 |
| 13200 | 5.2966 | -.5010 | 2.0726 | 53.2900 | 14.9992 | 2.07841 |
| 13300 | 5.3007 | -.5054 | 2.0784 | 53.4315 | 15.0273 | 2.08471 |
| 13400 | 5.3049 | -.5100 | 2.0844 | 53.5749 | 15.0581 | 2.09119 |
| 13500 | 5.3091 | -.5145 | 2.0906 | 53.7204 | 15.0916 | 2.09788 |
| 13600 | 5.3133 | -.5190 | 2.0969 | 53.8682 | 15.1279 | 2.10477 |
| 13700 | 5.3176 | -.5235 | 2.1034 | 54.0182 | 15.1669 | 2.11188 |
| 13800 | 5.3220 | -.5280 | 2.1101 | 54.1706 | 15.2089 | 2.11920 |
| 13900 | 5.3264 | -.5326 | 2.1171 | 54.3254 | 15.2537 | 2.12677 |
| 14000 | 5.3309 | -.5372 | 2.1242 | 54.4842 | 15.3029 | 2.13457 |
| 14100 | 5.3354 | -.5418 | 2.1316 | 54.6426 | 15.3524 | 2.14263 |
| 14200 | 5.3400 | -.5464 | 2.1392 | 54.8053 | 15.4063 | 2.15094 |
| 14300 | 5.3446 | -.5510 | 2.1470 | 54.9705 | 15.4632 | 2.15952 |
| 14400 | 5.3494 | -.5557 | 2.1550 | 55.1387 | 15.5234 | 2.16837 |
| 14500 | 5.3541 | -.5604 | 2.1633 | 55.3096 | 15.5867 | 2.17749 |
| 14600 | 5.3590 | -.5651 | 2.1719 | 55.4831 | 15.6528 | 2.18688 |
| 14700 | 5.3638 | -.5698 | 2.1807 | 55.6597 | 15.7224 | 2.19658 |
| 14800 | 5.3688 | -.5745 | 2.1898 | 55.8393 | 15.7951 | 2.20656 |
| 14900 | 5.3738 | -.5793 | 2.1991 | 56.0216 | 15.8708 | 2.21684 |
| 15000 | 5.3788 | -.5841 | 2.2087 | 56.2069 | 15.9496 | 2.22740 |

LOG P= 1.6

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 200  | 2.7980  | 1.7766  | .9093  | 18.5601 | 3.1401 | 1.00000 |
| 300  | 3.0081  | 1.5626  | .9923  | 20.1510 | 3.3958 | 1.00000 |
| 400  | 3.1417  | 1.4301  | 1.0098 | 21.2080 | 3.4644 | 1.00000 |
| 500  | 3.2423  | 1.3312  | 1.0146 | 22.0111 | 3.4941 | 1.00000 |
| 600  | 3.3252  | 1.2515  | 1.0156 | 22.6894 | 3.5242 | 1.00000 |
| 700  | 3.3959  | 1.1846  | 1.0155 | 23.2546 | 3.5549 | 1.00000 |
| 800  | 3.4579  | 1.1270  | 1.0147 | 23.7553 | 3.5873 | 1.00000 |
| 900  | 3.5130  | 1.0761  | 1.0140 | 24.2191 | 3.6205 | 1.00000 |
| 1000 | 3.5628  | 1.0307  | 1.0132 | 24.6498 | 3.6540 | 1.00000 |
| 1100 | 3.6082  | .9897   | 1.0125 | 25.0229 | 3.6878 | 1.00000 |
| 1200 | 3.6499  | .9522   | 1.0116 | 25.3633 | 3.7211 | 1.00000 |
| 1300 | 3.6884  | .9177   | 1.0110 | 25.7024 | 3.7540 | 1.00000 |
| 1400 | 3.7243  | .8858   | 1.0102 | 26.0089 | 3.7862 | 1.00000 |
| 1500 | 3.7580  | .8729   | 1.0096 | 26.3002 | 3.8183 | 1.00000 |
| 1500 | 3.7580  | .8558   | 1.0100 | 26.3196 | 3.8182 | .99998  |
| 1600 | 3.7896  | .8280   | 1.0094 | 26.5987 | 3.8503 | .99997  |
| 1700 | 3.8195  | .8018   | 1.0089 | 26.8646 | 3.8820 | .99997  |
| 1800 | 3.8478  | .7772   | 1.0085 | 27.1188 | 3.9130 | .99996  |
| 1900 | 3.8748  | .7539   | 1.0081 | 27.3627 | 3.9445 | .99996  |
| 2000 | 3.9005  | .7318   | 1.0077 | 27.5974 | 3.9763 | .99998  |
| 2100 | 3.9251  | .7107   | 1.0074 | 27.8239 | 4.0077 | .99999  |
| 2200 | 3.9489  | .6907   | 1.0071 | 28.0431 | 4.0404 | 1.00004 |
| 2300 | 3.9716  | .6715   | 1.0069 | 28.2561 | 4.0726 | 1.00011 |

|      |        |        |        |         |         |         |
|------|--------|--------|--------|---------|---------|---------|
| 2400 | 3.9936 | .6530  | 1.0067 | 28.4635 | 4.1059  | 1.00024 |
| 2500 | 4.0150 | .6353  | 1.0067 | 28.6664 | 4.1409  | 1.00044 |
| 2600 | 4.0358 | .6183  | 1.0067 | 28.8656 | 4.1769  | 1.00073 |
| 2700 | 4.0561 | .6018  | 1.0069 | 29.0620 | 4.2144  | 1.00117 |
| 2800 | 4.0761 | .5858  | 1.0074 | 29.2566 | 4.2556  | 1.00178 |
| 2900 | 4.0958 | .5703  | 1.0080 | 29.4504 | 4.2992  | 1.00261 |
| 3000 | 4.1155 | .5552  | 1.0089 | 29.6471 | 4.3492  | 1.00374 |
| 3100 | 4.1349 | .5404  | 1.0102 | 29.8422 | 4.4012  | 1.00518 |
| 3200 | 4.1542 | .5259  | 1.0119 | 30.0393 | 4.4574  | 1.00702 |
| 3300 | 4.1736 | .5116  | 1.0140 | 30.2391 | 4.5190  | 1.00932 |
| 3400 | 4.1930 | .4975  | 1.0167 | 30.4424 | 4.5869  | 1.01212 |
| 3500 | 4.2124 | .4835  | 1.0199 | 30.6495 | 4.6596  | 1.01548 |
| 3600 | 4.2320 | .4696  | 1.0238 | 30.8612 | 4.7391  | 1.01946 |
| 3700 | 4.2516 | .4558  | 1.0283 | 31.0771 | 4.8236  | 1.02407 |
| 3800 | 4.2713 | .4421  | 1.0334 | 31.2974 | 4.9146  | 1.02933 |
| 3900 | 4.2909 | .4284  | 1.0392 | 31.5218 | 5.0100  | 1.03526 |
| 4000 | 4.3104 | .4147  | 1.0457 | 31.7492 | 5.1089  | 1.04179 |
| 4100 | 4.3297 | .4011  | 1.0527 | 31.9790 | 5.2114  | 1.04893 |
| 4200 | 4.3488 | .3875  | 1.0602 | 32.2098 | 5.3153  | 1.05657 |
| 4300 | 4.3675 | .3740  | 1.0682 | 32.4403 | 5.4199  | 1.06463 |
| 4400 | 4.3856 | .3607  | 1.0765 | 32.6688 | 5.5224  | 1.07300 |
| 4500 | 4.4032 | .3475  | 1.0850 | 32.8947 | 5.6234  | 1.08158 |
| 4600 | 4.4201 | .3346  | 1.0935 | 33.1154 | 5.7192  | 1.09022 |
| 4700 | 4.4363 | .3219  | 1.1021 | 33.3304 | 5.8101  | 1.09881 |
| 4800 | 4.4518 | .3094  | 1.1104 | 33.5388 | 5.8953  | 1.10724 |
| 4900 | 4.4665 | .2973  | 1.1185 | 33.7400 | 5.9744  | 1.11543 |
| 5000 | 4.4810 | .2856  | 1.1261 | 33.9415 | 6.0544  | 1.12304 |
| 5100 | 4.4943 | .2742  | 1.1335 | 34.1281 | 6.1202  | 1.13054 |
| 5200 | 4.5070 | .2630  | 1.1406 | 34.3075 | 6.1803  | 1.13768 |
| 5300 | 4.5191 | .2522  | 1.1473 | 34.4805 | 6.2355  | 1.14445 |
| 5400 | 4.5308 | .2417  | 1.1537 | 34.6489 | 6.2867  | 1.15092 |
| 5500 | 4.5421 | .2314  | 1.1598 | 34.8126 | 6.3350  | 1.15708 |
| 5600 | 4.5531 | .2214  | 1.1657 | 34.9740 | 6.3817  | 1.16305 |
| 5700 | 4.5639 | .2116  | 1.1715 | 35.1337 | 6.4278  | 1.16883 |
| 5800 | 4.5746 | .2019  | 1.1771 | 35.2922 | 6.4744  | 1.17453 |
| 5900 | 4.5853 | .1924  | 1.1827 | 35.4515 | 6.5226  | 1.18019 |
| 6000 | 4.5959 | .1830  | 1.1884 | 35.6125 | 6.5734  | 1.18589 |
| 6100 | 4.6067 | .1738  | 1.1942 | 35.7762 | 6.6277  | 1.19170 |
| 6200 | 4.6176 | .1645  | 1.2001 | 35.9428 | 6.6863  | 1.19769 |
| 6300 | 4.6287 | .1554  | 1.2063 | 36.1143 | 6.7505  | 1.20395 |
| 6400 | 4.6400 | .1462  | 1.2128 | 36.2915 | 6.8204  | 1.21049 |
| 6500 | 4.6516 | .1370  | 1.2197 | 36.4747 | 6.8974  | 1.21742 |
| 6600 | 4.6635 | .1277  | 1.2271 | 36.6651 | 6.9820  | 1.22481 |
| 6700 | 4.6758 | .1185  | 1.2349 | 36.8630 | 7.0744  | 1.23266 |
| 6800 | 4.6884 | .1091  | 1.2433 | 37.0705 | 7.1760  | 1.24109 |
| 6900 | 4.7014 | .0996  | 1.2523 | 37.2863 | 7.2864  | 1.25011 |
| 7000 | 4.7148 | .0900  | 1.2619 | 37.5131 | 7.4073  | 1.25983 |
| 7100 | 4.7285 | .0803  | 1.2723 | 37.7492 | 7.5379  | 1.27025 |
| 7200 | 4.7426 | .0704  | 1.2835 | 37.9969 | 7.6791  | 1.28141 |
| 7300 | 4.7571 | .0604  | 1.2954 | 38.2553 | 7.8307  | 1.29338 |
| 7400 | 4.7720 | .0502  | 1.3082 | 38.5268 | 7.9942  | 1.30622 |
| 7500 | 4.7872 | .0399  | 1.3218 | 38.8094 | 8.1681  | 1.31988 |
| 7600 | 4.8027 | .0294  | 1.3364 | 39.1043 | 8.3536  | 1.33447 |
| 7700 | 4.8184 | .0187  | 1.3518 | 39.4102 | 8.5492  | 1.34992 |
| 7800 | 4.8344 | .0079  | 1.3682 | 39.7287 | 8.7559  | 1.36630 |
| 7900 | 4.8506 | -.0031 | 1.3855 | 40.0589 | 8.9732  | 1.38362 |
| 8000 | 4.8669 | -.0142 | 1.4037 | 40.4005 | 9.2008  | 1.40186 |
| 8100 | 4.8833 | -.0255 | 1.4227 | 40.7521 | 9.4366  | 1.42092 |
| 8200 | 4.8997 | -.0368 | 1.4426 | 41.1136 | 9.6810  | 1.44082 |
| 8300 | 4.9161 | -.0482 | 1.4632 | 41.4830 | 9.9315  | 1.46143 |
| 8400 | 4.9324 | -.0597 | 1.4845 | 41.8602 | 10.1883 | 1.48277 |
| 8500 | 4.9485 | -.0712 | 1.5065 | 42.2444 | 10.4502 | 1.50475 |
| 8600 | 4.9644 | -.0827 | 1.5289 | 42.6320 | 10.7138 | 1.52717 |
| 8700 | 4.9800 | -.0941 | 1.5515 | 43.0210 | 10.9773 | 1.54988 |
| 8800 | 4.9953 | -.1055 | 1.5745 | 43.4113 | 11.2409 | 1.57289 |
| 8900 | 5.0102 | -.1167 | 1.5977 | 43.8017 | 11.5028 | 1.59609 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 9000  | 5.0246 | -.1278 | 1.6208 | 44.1880 | 11.7591 | 1.61919 |
| 9100  | 5.0386 | -.1387 | 1.6437 | 44.5704 | 12.0102 | 1.64218 |
| 9200  | 5.0520 | -.1494 | 1.6663 | 44.9450 | 12.2523 | 1.66480 |
| 9300  | 5.0648 | -.1598 | 1.6884 | 45.3103 | 12.4839 | 1.68689 |
| 9400  | 5.0771 | -.1700 | 1.7100 | 45.6666 | 12.7056 | 1.70849 |
| 9500  | 5.0889 | -.1799 | 1.7309 | 46.0128 | 12.9163 | 1.72950 |
| 9600  | 5.1000 | -.1894 | 1.7511 | 46.3460 | 13.1132 | 1.74966 |
| 9700  | 5.1105 | -.1987 | 1.7703 | 46.6652 | 13.2956 | 1.76893 |
| 9800  | 5.1204 | -.2076 | 1.7887 | 46.9717 | 13.4650 | 1.78735 |
| 9900  | 5.1298 | -.2162 | 1.8061 | 47.2638 | 13.6196 | 1.80479 |
| 10000 | 5.1386 | -.2245 | 1.8224 | 47.5413 | 13.7595 | 1.82120 |
| 10100 | 5.1469 | -.2325 | 1.8379 | 47.8062 | 13.8867 | 1.83672 |
| 10200 | 5.1547 | -.2402 | 1.8523 | 48.0570 | 14.0002 | 1.85124 |
| 10300 | 5.1621 | -.2476 | 1.8659 | 48.2958 | 14.1019 | 1.86491 |
| 10400 | 5.1691 | -.2547 | 1.8786 | 48.5219 | 14.1913 | 1.87763 |
| 10500 | 5.1756 | -.2616 | 1.8904 | 48.7360 | 14.2694 | 1.88948 |
| 10600 | 5.1818 | -.2682 | 1.9014 | 48.9403 | 14.3380 | 1.90058 |
| 10700 | 5.1877 | -.2746 | 1.9116 | 49.1342 | 14.3971 | 1.91090 |
| 10800 | 5.1932 | -.2808 | 1.9211 | 49.3188 | 14.4475 | 1.92051 |
| 10900 | 5.1985 | -.2869 | 1.9301 | 49.4956 | 14.4909 | 1.92954 |
| 11000 | 5.2036 | -.2927 | 1.9384 | 49.6648 | 14.5276 | 1.93797 |
| 11100 | 5.2084 | -.2984 | 1.9461 | 49.8270 | 14.5582 | 1.94586 |
| 11200 | 5.2131 | -.3039 | 1.9535 | 49.9837 | 14.5843 | 1.95333 |
| 11300 | 5.2176 | -.3093 | 1.9603 | 50.1345 | 14.6053 | 1.96032 |
| 11400 | 5.2219 | -.3145 | 1.9669 | 50.2810 | 14.6231 | 1.96699 |
| 11500 | 5.2262 | -.3197 | 1.9731 | 50.4240 | 14.6382 | 1.97338 |
| 11600 | 5.2303 | -.3248 | 1.9790 | 50.5629 | 14.6504 | 1.97944 |
| 11700 | 5.2344 | -.3297 | 1.9847 | 50.6993 | 14.6610 | 1.98530 |
| 11800 | 5.2383 | -.3346 | 1.9901 | 50.8332 | 14.6699 | 1.99097 |
| 11900 | 5.2422 | -.3394 | 1.9954 | 50.9653 | 14.6783 | 1.99649 |
| 12000 | 5.2461 | -.3442 | 2.0006 | 51.0955 | 14.6856 | 2.00186 |
| 12100 | 5.2499 | -.3489 | 2.0057 | 51.2246 | 14.6928 | 2.00716 |
| 12200 | 5.2537 | -.3535 | 2.0106 | 51.3529 | 14.7001 | 2.01239 |
| 12300 | 5.2575 | -.3582 | 2.0156 | 51.4808 | 14.7080 | 2.01760 |
| 12400 | 5.2612 | -.3627 | 2.0205 | 51.6081 | 14.7162 | 2.02277 |
| 12500 | 5.2650 | -.3673 | 2.0253 | 51.7356 | 14.7254 | 2.02797 |
| 12600 | 5.2687 | -.3718 | 2.0303 | 51.8634 | 14.7358 | 2.03319 |
| 12700 | 5.2725 | -.3763 | 2.0352 | 51.9915 | 14.7474 | 2.03846 |
| 12800 | 5.2763 | -.3807 | 2.0402 | 52.1203 | 14.7605 | 2.04379 |
| 12900 | 5.2801 | -.3852 | 2.0452 | 52.2500 | 14.7753 | 2.04921 |
| 13000 | 5.2840 | -.3896 | 2.0503 | 52.3807 | 14.7918 | 2.05473 |
| 13100 | 5.2878 | -.3940 | 2.0555 | 52.5125 | 14.8102 | 2.06036 |
| 13200 | 5.2917 | -.3985 | 2.0608 | 52.6457 | 14.8306 | 2.06611 |
| 13300 | 5.2957 | -.4029 | 2.0663 | 52.7802 | 14.8532 | 2.07200 |
| 13400 | 5.2997 | -.4073 | 2.0718 | 52.9164 | 14.8781 | 2.07805 |
| 13500 | 5.3037 | -.4117 | 2.0775 | 53.0542 | 14.9052 | 2.08426 |
| 13600 | 5.3077 | -.4162 | 2.0834 | 53.1940 | 14.9348 | 2.09064 |
| 13700 | 5.3119 | -.4206 | 2.0893 | 53.3355 | 14.9668 | 2.09721 |
| 13800 | 5.3160 | -.4250 | 2.0955 | 53.4790 | 15.0014 | 2.10396 |
| 13900 | 5.3202 | -.4295 | 2.1018 | 53.6246 | 15.0385 | 2.11092 |
| 14000 | 5.3245 | -.4339 | 2.1084 | 53.7736 | 15.0796 | 2.11808 |
| 14100 | 5.3288 | -.4384 | 2.1151 | 53.9223 | 15.1209 | 2.12547 |
| 14200 | 5.3332 | -.4429 | 2.1220 | 54.0746 | 15.1661 | 2.13308 |
| 14300 | 5.3376 | -.4474 | 2.1291 | 54.2291 | 15.2141 | 2.14092 |
| 14400 | 5.3421 | -.4519 | 2.1364 | 54.3862 | 15.2650 | 2.14900 |
| 14500 | 5.3466 | -.4564 | 2.1439 | 54.5458 | 15.3187 | 2.15732 |
| 14600 | 5.3512 | -.4610 | 2.1517 | 54.7076 | 15.3751 | 2.16589 |
| 14700 | 5.3558 | -.4656 | 2.1596 | 54.8722 | 15.4345 | 2.17472 |
| 14800 | 5.3605 | -.4702 | 2.1679 | 55.0393 | 15.4968 | 2.18382 |
| 14900 | 5.3653 | -.4748 | 2.1763 | 55.2090 | 15.5620 | 2.19318 |
| 15000 | 5.3701 | -.4794 | 2.1850 | 55.3813 | 15.6300 | 2.20280 |

LOG P= 1.7

|   |         |         |   |     |      |    |
|---|---------|---------|---|-----|------|----|
| T | LOG H/R | LOG RHO | Z | S/R | H/RT | Z* |
|---|---------|---------|---|-----|------|----|

|      |        |        |        |         |        |         |
|------|--------|--------|--------|---------|--------|---------|
| 200  | 2.7845 | 1.8872 | .8875  | 18.2556 | 3.0444 | 1.00000 |
| 300  | 3.0049 | 1.6630 | .9914  | 19.8972 | 3.3713 | 1.00000 |
| 400  | 3.1407 | 1.5288 | 1.0127 | 20.9664 | 3.4565 | 1.00000 |
| 500  | 3.2419 | 1.4294 | 1.0186 | 21.7802 | 3.4909 | 1.00000 |
| 600  | 3.3252 | 1.3497 | 1.0199 | 22.4553 | 3.5238 | 1.00000 |
| 700  | 3.3960 | 1.2828 | 1.0197 | 23.0220 | 3.5558 | 1.00000 |
| 800  | 3.4581 | 1.2253 | 1.0186 | 23.5247 | 3.5892 | 1.00000 |
| 900  | 3.5132 | 1.1746 | 1.0177 | 23.9829 | 3.6223 | 1.00000 |
| 1000 | 3.5630 | 1.1292 | 1.0167 | 24.4345 | 3.6561 | 1.00000 |
| 1100 | 3.6084 | 1.0883 | 1.0157 | 24.7919 | 3.6900 | 1.00000 |
| 1200 | 3.6501 | 1.0509 | 1.0147 | 25.1339 | 3.7233 | 1.00000 |
| 1300 | 3.6887 | 1.0165 | 1.0138 | 25.4759 | 3.7562 | 1.00000 |
| 1400 | 3.7246 | .9847  | 1.0129 | 25.7778 | 3.7888 | 1.00000 |
| 1500 | 3.7582 | 1.0008 | 1.0121 | 26.0675 | 3.8205 | 1.00000 |
| 1500 | 3.7582 | .9547  | 1.0125 | 26.0889 | 3.8204 | .99997  |
| 1600 | 3.7899 | .9269  | 1.0118 | 26.3682 | 3.8524 | .99996  |
| 1700 | 3.8197 | .9009  | 1.0112 | 26.6341 | 3.8841 | .99997  |
| 1800 | 3.8480 | .8763  | 1.0107 | 26.8883 | 3.9150 | .99996  |
| 1900 | 3.8750 | .8530  | 1.0101 | 27.1323 | 3.9465 | .99996  |
| 2000 | 3.9007 | .8309  | 1.0097 | 27.3669 | 3.9781 | .99997  |
| 2100 | 3.9253 | .8099  | 1.0093 | 27.5934 | 4.0094 | .99998  |
| 2200 | 3.9490 | .7899  | 1.0089 | 27.8125 | 4.0419 | 1.00002 |
| 2300 | 3.9717 | .7707  | 1.0086 | 28.0252 | 4.0738 | 1.00009 |
| 2400 | 3.9937 | .7523  | 1.0083 | 28.2323 | 4.1067 | 1.00020 |
| 2500 | 4.0151 | .7347  | 1.0082 | 28.4348 | 4.1411 | 1.00037 |
| 2600 | 4.0358 | .7177  | 1.0082 | 28.6331 | 4.1764 | 1.00063 |
| 2700 | 4.0560 | .7012  | 1.0083 | 28.8284 | 4.2129 | 1.00102 |
| 2800 | 4.0758 | .6853  | 1.0086 | 29.0216 | 4.2526 | 1.00157 |
| 2900 | 4.0953 | .6698  | 1.0091 | 29.2135 | 4.2945 | 1.00231 |
| 3000 | 4.1148 | .6548  | 1.0098 | 29.4077 | 4.3422 | 1.00331 |
| 3100 | 4.1340 | .6401  | 1.0109 | 29.5999 | 4.3915 | 1.00460 |
| 3200 | 4.1530 | .6257  | 1.0124 | 29.7932 | 4.4443 | 1.00625 |
| 3300 | 4.1719 | .6115  | 1.0142 | 29.9886 | 4.5020 | 1.00830 |
| 3400 | 4.1910 | .5975  | 1.0166 | 30.1867 | 4.5653 | 1.01081 |
| 3500 | 4.2099 | .5837  | 1.0194 | 30.3879 | 4.6328 | 1.01383 |
| 3600 | 4.2290 | .5701  | 1.0228 | 30.5930 | 4.7065 | 1.01741 |
| 3700 | 4.2481 | .5565  | 1.0268 | 30.8016 | 4.7847 | 1.02157 |
| 3800 | 4.2672 | .5429  | 1.0314 | 31.0142 | 4.8691 | 1.02633 |
| 3900 | 4.2863 | .5294  | 1.0367 | 31.2304 | 4.9576 | 1.03171 |
| 4000 | 4.3053 | .5160  | 1.0425 | 31.4495 | 5.0496 | 1.03768 |
| 4100 | 4.3242 | .5026  | 1.0489 | 31.6711 | 5.1454 | 1.04422 |
| 4200 | 4.3428 | .4893  | 1.0559 | 31.8939 | 5.2430 | 1.05129 |
| 4300 | 4.3612 | .4760  | 1.0633 | 32.1170 | 5.3420 | 1.05878 |
| 4400 | 4.3790 | .4629  | 1.0710 | 32.3390 | 5.4398 | 1.06664 |
| 4500 | 4.3965 | .4499  | 1.0790 | 32.5592 | 5.5370 | 1.07477 |
| 4600 | 4.4133 | .4371  | 1.0872 | 32.7755 | 5.6304 | 1.08304 |
| 4700 | 4.4295 | .4245  | 1.0954 | 32.9873 | 5.7200 | 1.09134 |
| 4800 | 4.4450 | .4121  | 1.1036 | 33.1936 | 5.8050 | 1.09959 |
| 4900 | 4.4599 | .4000  | 1.1116 | 33.3937 | 5.8848 | 1.10767 |
| 5000 | 4.4747 | .3883  | 1.1191 | 33.5953 | 5.9667 | 1.11527 |
| 5100 | 4.4882 | .3768  | 1.1266 | 33.7823 | 6.0346 | 1.12283 |
| 5200 | 4.5011 | .3656  | 1.1337 | 33.9624 | 6.0970 | 1.13008 |
| 5300 | 4.5135 | .3548  | 1.1406 | 34.1363 | 6.1546 | 1.13698 |
| 5400 | 4.5254 | .3441  | 1.1471 | 34.3054 | 6.2081 | 1.14361 |
| 5500 | 4.5368 | .3338  | 1.1534 | 34.4694 | 6.2581 | 1.14992 |
| 5600 | 4.5480 | .3237  | 1.1594 | 34.6307 | 6.3061 | 1.15603 |
| 5700 | 4.5588 | .3139  | 1.1652 | 34.7896 | 6.3527 | 1.16193 |
| 5800 | 4.5695 | .3042  | 1.1709 | 34.9466 | 6.3990 | 1.16770 |
| 5900 | 4.5802 | .2947  | 1.1766 | 35.1035 | 6.4462 | 1.17339 |
| 6000 | 4.5907 | .2853  | 1.1822 | 35.2613 | 6.4950 | 1.17908 |
| 6100 | 4.6013 | .2760  | 1.1879 | 35.4207 | 6.5464 | 1.18482 |
| 6200 | 4.6120 | .2669  | 1.1937 | 35.5820 | 6.6011 | 1.19066 |
| 6300 | 4.6228 | .2577  | 1.1997 | 35.7471 | 6.6603 | 1.19671 |
| 6400 | 4.6338 | .2487  | 1.2059 | 35.9169 | 6.7242 | 1.20299 |
| 6500 | 4.6451 | .2396  | 1.2124 | 36.0915 | 6.7942 | 1.20957 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 6600  | 4.6565 | .2305  | 1.2193 | 36.2722 | 6.8707  | 1.21653 |
| 6700  | 4.6683 | .2214  | 1.2267 | 36.4591 | 6.9539  | 1.22388 |
| 6800  | 4.6804 | .2122  | 1.2344 | 36.6544 | 7.0451  | 1.23172 |
| 6900  | 4.6928 | .2029  | 1.2428 | 36.8568 | 7.1442  | 1.24007 |
| 7000  | 4.7056 | .1936  | 1.2517 | 37.0690 | 7.2525  | 1.24903 |
| 7100  | 4.7187 | .1841  | 1.2612 | 37.2892 | 7.3695  | 1.25862 |
| 7200  | 4.7322 | .1745  | 1.2714 | 37.5197 | 7.4960  | 1.26885 |
| 7300  | 4.7460 | .1648  | 1.2823 | 37.7600 | 7.6321  | 1.27981 |
| 7400  | 4.7602 | .1550  | 1.2940 | 38.0120 | 7.7789  | 1.29155 |
| 7500  | 4.7746 | .1450  | 1.3065 | 38.2741 | 7.9354  | 1.30403 |
| 7600  | 4.7894 | .1348  | 1.3198 | 38.5475 | 8.1026  | 1.31737 |
| 7700  | 4.8045 | .1245  | 1.3339 | 38.8310 | 8.2793  | 1.33150 |
| 7800  | 4.8198 | .1141  | 1.3489 | 39.1265 | 8.4666  | 1.34650 |
| 7900  | 4.8354 | .1035  | 1.3647 | 39.4332 | 8.6641  | 1.36239 |
| 8000  | 4.8511 | .0927  | 1.3815 | 39.7509 | 8.8718  | 1.37916 |
| 8100  | 4.8670 | .0818  | 1.3990 | 40.0785 | 9.0878  | 1.39673 |
| 8200  | 4.8829 | .0709  | 1.4174 | 40.4161 | 9.3127  | 1.41514 |
| 8300  | 4.8988 | .0598  | 1.4365 | 40.7622 | 9.5445  | 1.43428 |
| 8400  | 4.9148 | .0486  | 1.4564 | 41.1169 | 9.7836  | 1.45419 |
| 8500  | 4.9307 | .0374  | 1.4770 | 41.4797 | 10.0291 | 1.47481 |
| 8600  | 4.9464 | .0261  | 1.4981 | 41.8476 | 10.2780 | 1.49596 |
| 8700  | 4.9619 | .0149  | 1.5196 | 42.2187 | 10.5288 | 1.51753 |
| 8800  | 4.9772 | .0037  | 1.5416 | 42.5934 | 10.7819 | 1.53954 |
| 8900  | 4.9922 | -.0075 | 1.5640 | 42.9705 | 11.0359 | 1.56191 |
| 9000  | 5.0068 | -.0185 | 1.5864 | 43.3466 | 11.2870 | 1.58437 |
| 9100  | 5.0211 | -.0294 | 1.6089 | 43.7214 | 11.5358 | 1.60695 |
| 9200  | 5.0349 | -.0402 | 1.6313 | 44.0915 | 11.7785 | 1.62934 |
| 9300  | 5.0482 | -.0507 | 1.6534 | 44.4553 | 12.0135 | 1.65143 |
| 9400  | 5.0610 | -.0610 | 1.6751 | 44.8129 | 12.2414 | 1.67326 |
| 9500  | 5.0733 | -.0711 | 1.6965 | 45.1631 | 12.4610 | 1.69467 |
| 9600  | 5.0850 | -.0810 | 1.7173 | 45.5028 | 12.6691 | 1.71546 |
| 9700  | 5.0962 | -.0905 | 1.7373 | 45.8307 | 12.8648 | 1.73551 |
| 9800  | 5.1068 | -.0997 | 1.7566 | 46.1480 | 13.0493 | 1.75488 |
| 9900  | 5.1169 | -.1087 | 1.7751 | 46.4524 | 13.2203 | 1.77339 |
| 10000 | 5.1264 | -.1173 | 1.7926 | 46.7434 | 13.3777 | 1.79098 |
| 10100 | 5.1354 | -.1257 | 1.8093 | 47.0228 | 13.5231 | 1.80776 |
| 10200 | 5.1439 | -.1337 | 1.8251 | 47.2884 | 13.6550 | 1.82359 |
| 10300 | 5.1519 | -.1415 | 1.8400 | 47.5424 | 13.7752 | 1.83859 |
| 10400 | 5.1595 | -.1490 | 1.8540 | 47.7836 | 13.8828 | 1.85265 |
| 10500 | 5.1667 | -.1562 | 1.8671 | 48.0124 | 13.9784 | 1.86582 |
| 10600 | 5.1734 | -.1632 | 1.8794 | 48.2310 | 14.0639 | 1.87820 |
| 10700 | 5.1798 | -.1699 | 1.8909 | 48.4384 | 14.1390 | 1.88977 |
| 10800 | 5.1859 | -.1764 | 1.9016 | 48.6357 | 14.2045 | 1.90056 |
| 10900 | 5.1916 | -.1827 | 1.9116 | 48.8245 | 14.2620 | 1.91070 |
| 11000 | 5.1971 | -.1888 | 1.9210 | 49.0045 | 14.3115 | 1.92018 |
| 11100 | 5.2023 | -.1947 | 1.9297 | 49.1766 | 14.3539 | 1.92904 |
| 11200 | 5.2073 | -.2004 | 1.9380 | 49.3422 | 14.3907 | 1.93740 |
| 11300 | 5.2121 | -.2060 | 1.9456 | 49.5007 | 14.4212 | 1.94519 |
| 11400 | 5.2167 | -.2114 | 1.9529 | 49.6542 | 14.4475 | 1.95259 |
| 11500 | 5.2212 | -.2168 | 1.9598 | 49.8032 | 14.4701 | 1.95964 |
| 11600 | 5.2255 | -.2219 | 1.9662 | 49.9471 | 14.4887 | 1.96627 |
| 11700 | 5.2297 | -.2270 | 1.9724 | 50.0876 | 14.5048 | 1.97265 |
| 11800 | 5.2338 | -.2320 | 1.9783 | 50.2248 | 14.5185 | 1.97875 |
| 11900 | 5.2378 | -.2370 | 1.9840 | 50.3594 | 14.5306 | 1.98466 |
| 12000 | 5.2418 | -.2418 | 1.9895 | 50.4913 | 14.5407 | 1.99034 |
| 12100 | 5.2457 | -.2465 | 1.9948 | 50.6214 | 14.5502 | 1.99588 |
| 12200 | 5.2495 | -.2512 | 2.0000 | 50.7500 | 14.5590 | 2.00131 |
| 12300 | 5.2533 | -.2559 | 2.0051 | 50.8775 | 14.5676 | 2.00666 |
| 12400 | 5.2571 | -.2605 | 2.0101 | 51.0038 | 14.5760 | 2.01191 |
| 12500 | 5.2608 | -.2650 | 2.0150 | 51.1298 | 14.5847 | 2.01714 |
| 12600 | 5.2646 | -.2696 | 2.0199 | 51.2553 | 14.5940 | 2.02235 |
| 12700 | 5.2683 | -.2740 | 2.0248 | 51.3807 | 14.6040 | 2.02755 |
| 12800 | 5.2720 | -.2785 | 2.0296 | 51.5062 | 14.6150 | 2.03278 |
| 12900 | 5.2758 | -.2829 | 2.0345 | 51.6322 | 14.6271 | 2.03805 |
| 13000 | 5.2795 | -.2873 | 2.0395 | 51.7586 | 14.6406 | 2.04338 |
| 13100 | 5.2833 | -.2917 | 2.0445 | 51.8857 | 14.6555 | 2.04878 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 13200 | 5.2871 | -.2961 | 2.0495 | 52.0137 | 14.6719 | 2.05426 |
| 13300 | 5.2909 | -.3005 | 2.0547 | 52.1427 | 14.6901 | 2.05985 |
| 13400 | 5.2947 | -.3048 | 2.0599 | 52.2729 | 14.7102 | 2.06555 |
| 13500 | 5.2986 | -.3092 | 2.0652 | 52.4042 | 14.7321 | 2.07138 |
| 13600 | 5.3025 | -.3135 | 2.0707 | 52.5371 | 14.7562 | 2.07735 |
| 13700 | 5.3065 | -.3179 | 2.0762 | 52.6714 | 14.7824 | 2.08347 |
| 13800 | 5.3105 | -.3222 | 2.0819 | 52.8074 | 14.8107 | 2.08975 |
| 13900 | 5.3145 | -.3266 | 2.0878 | 52.9450 | 14.8413 | 2.09619 |
| 14000 | 5.3186 | -.3309 | 2.0938 | 53.0856 | 14.8754 | 2.10281 |
| 14100 | 5.3227 | -.3353 | 2.0999 | 53.2257 | 14.9095 | 2.10962 |
| 14200 | 5.3269 | -.3397 | 2.1062 | 53.3690 | 14.9472 | 2.11662 |
| 14300 | 5.3311 | -.3440 | 2.1127 | 53.5141 | 14.9874 | 2.12383 |
| 14400 | 5.3353 | -.3484 | 2.1194 | 53.6615 | 15.0302 | 2.13125 |
| 14500 | 5.3396 | -.3528 | 2.1263 | 53.8110 | 15.0755 | 2.13887 |
| 14600 | 5.3440 | -.3573 | 2.1333 | 53.9624 | 15.1231 | 2.14671 |
| 14700 | 5.3484 | -.3617 | 2.1405 | 54.1163 | 15.1736 | 2.15479 |
| 14800 | 5.3529 | -.3661 | 2.1480 | 54.2725 | 15.2268 | 2.16310 |
| 14900 | 5.3574 | -.3706 | 2.1556 | 54.4309 | 15.2824 | 2.17164 |
| 15000 | 5.3619 | -.3751 | 2.1635 | 54.5916 | 15.3407 | 2.18043 |

LOG P= 1.8

| T    | LOG H/R | LOG RHQ | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 200  | 2.7666  | 1.9994  | .6629  | 17.9308 | 2.9214 | 1.00000 |
| 300  | 3.0010  | 1.7632  | .9911  | 19.6381 | 3.3407 | 1.00000 |
| 400  | 3.1395  | 1.6271  | 1.0169 | 20.7224 | 3.4467 | 1.00000 |
| 500  | 3.2414  | 1.5272  | 1.0239 | 21.5425 | 3.4871 | 1.00000 |
| 600  | 3.3251  | 1.4474  | 1.0254 | 22.2189 | 3.5234 | 1.00000 |
| 700  | 3.3962  | 1.3806  | 1.0249 | 22.7944 | 3.5570 | 1.00000 |
| 800  | 3.4583  | 1.3232  | 1.0236 | 23.2966 | 3.5912 | 1.00000 |
| 900  | 3.5135  | 1.2726  | 1.0224 | 23.7496 | 3.6247 | 1.00000 |
| 1000 | 3.5633  | 1.2274  | 1.0210 | 24.1425 | 3.6588 | 1.00000 |
| 1100 | 3.6087  | 1.1866  | 1.0197 | 24.5534 | 3.6928 | 1.00000 |
| 1200 | 3.6504  | 1.1493  | 1.0185 | 24.9085 | 3.7262 | 1.00000 |
| 1300 | 3.6890  | 1.1150  | 1.0174 | 25.2454 | 3.7590 | 1.00000 |
| 1400 | 3.7250  | 1.0832  | 1.0163 | 25.5483 | 3.7919 | 1.00000 |
| 1500 | 3.7585  | 1.1111  | 1.0153 | 25.8354 | 3.8233 | 1.00000 |
| 1500 | 3.7585  | 1.0533  | 1.0157 | 25.8581 | 3.8231 | .99997  |
| 1600 | 3.7902  | 1.0256  | 1.0149 | 26.1375 | 3.8551 | .99996  |
| 1700 | 3.8200  | .9996   | 1.0141 | 26.4035 | 3.8867 | .99996  |
| 1800 | 3.8483  | .9751   | 1.0134 | 26.6578 | 3.9175 | .99995  |
| 1900 | 3.8752  | .9519   | 1.0127 | 26.9018 | 3.9489 | .99995  |
| 2000 | 3.9010  | .9299   | 1.0121 | 27.1365 | 3.9804 | .99996  |
| 2100 | 3.9255  | .9089   | 1.0116 | 27.3629 | 4.0115 | .99997  |
| 2200 | 3.9492  | .8889   | 1.0111 | 27.5820 | 4.0439 | 1.00000 |
| 2300 | 3.9719  | .8698   | 1.0107 | 27.7945 | 4.0756 | 1.00006 |
| 2400 | 3.9938  | .8515   | 1.0104 | 28.0013 | 4.1080 | 1.00016 |
| 2500 | 4.0151  | .8338   | 1.0101 | 28.2032 | 4.1419 | 1.00031 |
| 2600 | 4.0358  | .8169   | 1.0100 | 28.4009 | 4.1765 | 1.00055 |
| 2700 | 4.0559  | .8005   | 1.0100 | 28.5953 | 4.2121 | 1.00089 |
| 2800 | 4.0756  | .7846   | 1.0102 | 28.7872 | 4.2506 | 1.00138 |
| 2900 | 4.0949  | .7692   | 1.0105 | 28.9773 | 4.2908 | 1.00204 |
| 3000 | 4.1143  | .7542   | 1.0111 | 29.1694 | 4.3365 | 1.00292 |
| 3100 | 4.1332  | .7396   | 1.0120 | 29.3588 | 4.3833 | 1.00408 |
| 3200 | 4.1519  | .7253   | 1.0132 | 29.5488 | 4.4331 | 1.00555 |
| 3300 | 4.1705  | .7113   | 1.0148 | 29.7402 | 4.4872 | 1.00738 |
| 3400 | 4.1891  | .6974   | 1.0168 | 29.9337 | 4.5464 | 1.00963 |
| 3500 | 4.2077  | .6838   | 1.0193 | 30.1296 | 4.6091 | 1.01234 |
| 3600 | 4.2263  | .6703   | 1.0224 | 30.3286 | 4.6775 | 1.01556 |
| 3700 | 4.2449  | .6568   | 1.0259 | 30.5306 | 4.7500 | 1.01930 |
| 3800 | 4.2636  | .6435   | 1.0300 | 30.7360 | 4.8283 | 1.02360 |
| 3900 | 4.2822  | .6303   | 1.0347 | 30.9446 | 4.9103 | 1.02848 |
| 4000 | 4.3007  | .6171   | 1.0400 | 31.1559 | 4.9958 | 1.03392 |
| 4100 | 4.3191  | .6039   | 1.0458 | 31.3696 | 5.0851 | 1.03990 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 4200  | 4.3373 | .5908  | 1.0522 | 31.5847 | 5.1764  | 1.04640 |
| 4300  | 4.3553 | .5778  | 1.0590 | 31.8004 | 5.2697  | 1.05334 |
| 4400  | 4.3728 | .5649  | 1.0662 | 32.0156 | 5.3625  | 1.06067 |
| 4500  | 4.3901 | .5521  | 1.0737 | 32.2298 | 5.4555  | 1.06831 |
| 4600  | 4.4067 | .5394  | 1.0814 | 32.4411 | 5.5456  | 1.07616 |
| 4700  | 4.4228 | .5269  | 1.0893 | 32.6488 | 5.6330  | 1.08412 |
| 4800  | 4.4384 | .5147  | 1.0971 | 32.8522 | 5.7169  | 1.09211 |
| 4900  | 4.4534 | .5026  | 1.1049 | 33.0503 | 5.7966  | 1.10001 |
| 5000  | 4.4683 | .4909  | 1.1123 | 33.2511 | 5.8794  | 1.10753 |
| 5100  | 4.4820 | .4795  | 1.1198 | 33.4377 | 5.9486  | 1.11507 |
| 5200  | 4.4951 | .4682  | 1.1269 | 33.6180 | 6.0128  | 1.12235 |
| 5300  | 4.5076 | .4573  | 1.1338 | 33.7923 | 6.0724  | 1.12934 |
| 5400  | 4.5197 | .4467  | 1.1405 | 33.9618 | 6.1279  | 1.13607 |
| 5500  | 4.5313 | .4363  | 1.1468 | 34.1262 | 6.1797  | 1.14251 |
| 5600  | 4.5426 | .4261  | 1.1530 | 34.2874 | 6.2291  | 1.14876 |
| 5700  | 4.5536 | .4162  | 1.1589 | 34.4459 | 6.2766  | 1.15477 |
| 5800  | 4.5644 | .4065  | 1.1647 | 34.6018 | 6.3232  | 1.16062 |
| 5900  | 4.5750 | .3970  | 1.1704 | 34.7569 | 6.3698  | 1.16637 |
| 6000  | 4.5855 | .3876  | 1.1760 | 34.9120 | 6.4173  | 1.17207 |
| 6100  | 4.5960 | .3783  | 1.1816 | 35.0680 | 6.4664  | 1.17777 |
| 6200  | 4.6065 | .3692  | 1.1873 | 35.2249 | 6.5181  | 1.18353 |
| 6300  | 4.6171 | .3601  | 1.1932 | 35.3846 | 6.5734  | 1.18942 |
| 6400  | 4.6279 | .3511  | 1.1992 | 35.5481 | 6.6323  | 1.19548 |
| 6500  | 4.6388 | .3421  | 1.2054 | 35.7153 | 6.6963  | 1.20179 |
| 6600  | 4.6499 | .3331  | 1.2119 | 35.8875 | 6.7659  | 1.20839 |
| 6700  | 4.6612 | .3241  | 1.2188 | 36.0649 | 6.8412  | 1.21532 |
| 6800  | 4.6728 | .3151  | 1.2261 | 36.2495 | 6.9235  | 1.22266 |
| 6900  | 4.6847 | .3061  | 1.2338 | 36.4401 | 7.0126  | 1.23044 |
| 7000  | 4.6970 | .2969  | 1.2421 | 36.6392 | 7.1098  | 1.23875 |
| 7100  | 4.7095 | .2877  | 1.2509 | 36.8453 | 7.2148  | 1.24759 |
| 7200  | 4.7223 | .2784  | 1.2602 | 37.0605 | 7.3283  | 1.25701 |
| 7300  | 4.7355 | .2689  | 1.2703 | 37.2844 | 7.4504  | 1.26707 |
| 7400  | 4.7490 | .2594  | 1.2810 | 37.5188 | 7.5821  | 1.27783 |
| 7500  | 4.7628 | .2497  | 1.2923 | 37.7623 | 7.7227  | 1.28925 |
| 7600  | 4.7770 | .2399  | 1.3045 | 38.0160 | 7.8732  | 1.30145 |
| 7700  | 4.7913 | .2300  | 1.3174 | 38.2790 | 8.0325  | 1.31438 |
| 7800  | 4.8060 | .2199  | 1.3311 | 38.5532 | 8.2017  | 1.32810 |
| 7900  | 4.8209 | .2096  | 1.3456 | 38.8377 | 8.3806  | 1.34266 |
| 8000  | 4.8360 | .1992  | 1.3609 | 39.1327 | 8.5693  | 1.35804 |
| 8100  | 4.8513 | .1887  | 1.3770 | 39.4374 | 8.7662  | 1.37419 |
| 8200  | 4.8667 | .1781  | 1.3940 | 39.7519 | 8.9722  | 1.39115 |
| 8300  | 4.8822 | .1674  | 1.4116 | 40.0752 | 9.1853  | 1.40885 |
| 8400  | 4.8977 | .1565  | 1.4301 | 40.4074 | 9.4064  | 1.42733 |
| 8500  | 4.9133 | .1456  | 1.4493 | 40.7483 | 9.6345  | 1.44655 |
| 8600  | 4.9287 | .1346  | 1.4690 | 41.0955 | 9.8673  | 1.46637 |
| 8700  | 4.9440 | .1236  | 1.4893 | 41.4472 | 10.1036 | 1.48669 |
| 8800  | 4.9592 | .1127  | 1.5102 | 41.8041 | 10.3437 | 1.50755 |
| 8900  | 4.9742 | .1017  | 1.5315 | 42.1652 | 10.5867 | 1.52889 |
| 9000  | 4.9888 | .0907  | 1.5530 | 42.5274 | 10.8292 | 1.55046 |
| 9100  | 5.0033 | .0799  | 1.5748 | 42.8908 | 11.0716 | 1.57232 |
| 9200  | 5.0173 | .0692  | 1.5967 | 43.2521 | 11.3107 | 1.59419 |
| 9300  | 5.0309 | .0586  | 1.6184 | 43.6098 | 11.5447 | 1.61595 |
| 9400  | 5.0441 | .0482  | 1.6400 | 43.9642 | 11.7744 | 1.63765 |
| 9500  | 5.0569 | .0379  | 1.6615 | 44.3138 | 11.9984 | 1.65914 |
| 9600  | 5.0691 | .0279  | 1.6825 | 44.6557 | 12.2134 | 1.68021 |
| 9700  | 5.0808 | .0182  | 1.7030 | 44.9882 | 12.4185 | 1.70073 |
| 9800  | 5.0921 | .0087  | 1.7230 | 45.3124 | 12.6145 | 1.72076 |
| 9900  | 5.1028 | -.0006 | 1.7422 | 45.6257 | 12.7988 | 1.74008 |
| 10000 | 5.1130 | -.0095 | 1.7607 | 45.9274 | 12.9708 | 1.75862 |
| 10100 | 5.1227 | -.0182 | 1.7785 | 46.2186 | 13.1320 | 1.77646 |
| 10200 | 5.1318 | -.0266 | 1.7954 | 46.4971 | 13.2805 | 1.79343 |
| 10300 | 5.1405 | -.0347 | 1.8116 | 46.7648 | 13.4180 | 1.80965 |
| 10400 | 5.1488 | -.0426 | 1.8268 | 47.0201 | 13.5430 | 1.82497 |
| 10500 | 5.1565 | -.0501 | 1.8412 | 47.2630 | 13.6560 | 1.83941 |
| 10600 | 5.1639 | -.0575 | 1.8548 | 47.4957 | 13.7587 | 1.85308 |
| 10700 | 5.1709 | -.0645 | 1.8675 | 47.7170 | 13.8504 | 1.86591 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 10800 | 5.1774 | -.0713 | 1.8794 | 47.9276 | 13.9318 | 1.87793 |
| 10900 | 5.1837 | -.0779 | 1.8907 | 48.1291 | 14.0046 | 1.88926 |
| 11000 | 5.1896 | -.0843 | 1.9012 | 48.3212 | 14.0684 | 1.89988 |
| 11100 | 5.1953 | -.0904 | 1.9110 | 48.5045 | 14.1241 | 1.90981 |
| 11200 | 5.2007 | -.0964 | 1.9202 | 48.6805 | 14.1734 | 1.91919 |
| 11300 | 5.2058 | -.1022 | 1.9288 | 48.8484 | 14.2151 | 1.92792 |
| 11400 | 5.2108 | -.1079 | 1.9370 | 49.0104 | 14.2517 | 1.93619 |
| 11500 | 5.2155 | -.1134 | 1.9447 | 49.1671 | 14.2837 | 1.94404 |
| 11600 | 5.2201 | -.1188 | 1.9518 | 49.3177 | 14.3105 | 1.95140 |
| 11700 | 5.2246 | -.1240 | 1.9587 | 49.4641 | 14.3339 | 1.95843 |
| 11800 | 5.2289 | -.1291 | 1.9652 | 49.6061 | 14.3539 | 1.96511 |
| 11900 | 5.2331 | -.1342 | 1.9714 | 49.7449 | 14.3715 | 1.97154 |
| 12000 | 5.2371 | -.1391 | 1.9773 | 49.8800 | 14.3863 | 1.97765 |
| 12100 | 5.2411 | -.1440 | 1.9830 | 50.0127 | 14.3995 | 1.98358 |
| 12200 | 5.2451 | -.1487 | 1.9885 | 50.1430 | 14.4113 | 1.98932 |
| 12300 | 5.2489 | -.1535 | 1.9939 | 50.2718 | 14.4223 | 1.99494 |
| 12400 | 5.2528 | -.1581 | 1.9991 | 50.3984 | 14.4321 | 2.00039 |
| 12500 | 5.2565 | -.1627 | 2.0042 | 50.5242 | 14.4419 | 2.00577 |
| 12600 | 5.2603 | -.1672 | 2.0092 | 50.6489 | 14.4515 | 2.01107 |
| 12700 | 5.2640 | -.1717 | 2.0141 | 50.7729 | 14.4612 | 2.01632 |
| 12800 | 5.2677 | -.1762 | 2.0190 | 50.8964 | 14.4713 | 2.02155 |
| 12900 | 5.2714 | -.1806 | 2.0239 | 51.0199 | 14.4821 | 2.02678 |
| 13000 | 5.2751 | -.1850 | 2.0287 | 51.1434 | 14.4937 | 2.03203 |
| 13100 | 5.2788 | -.1894 | 2.0336 | 51.2671 | 14.5062 | 2.03730 |
| 13200 | 5.2825 | -.1937 | 2.0385 | 51.3911 | 14.5200 | 2.04261 |
| 13300 | 5.2863 | -.1981 | 2.0434 | 51.5157 | 14.5349 | 2.04799 |
| 13400 | 5.2900 | -.2024 | 2.0484 | 51.6411 | 14.5514 | 2.05345 |
| 13500 | 5.2938 | -.2067 | 2.0535 | 51.7673 | 14.5693 | 2.05900 |
| 13600 | 5.2976 | -.2110 | 2.0586 | 51.8945 | 14.5890 | 2.06465 |
| 13700 | 5.3014 | -.2153 | 2.0639 | 52.0229 | 14.6104 | 2.07042 |
| 13800 | 5.3052 | -.2195 | 2.0692 | 52.1525 | 14.6336 | 2.07631 |
| 13900 | 5.3091 | -.2238 | 2.0746 | 52.2834 | 14.6588 | 2.08234 |
| 14000 | 5.3131 | -.2281 | 2.0802 | 52.4167 | 14.6869 | 2.08851 |
| 14100 | 5.3170 | -.2324 | 2.0859 | 52.5495 | 14.7151 | 2.09484 |
| 14200 | 5.3210 | -.2367 | 2.0917 | 52.6849 | 14.7465 | 2.10133 |
| 14300 | 5.3250 | -.2409 | 2.0977 | 52.8220 | 14.7799 | 2.10800 |
| 14400 | 5.3291 | -.2452 | 2.1038 | 52.9609 | 14.8157 | 2.11484 |
| 14500 | 5.3332 | -.2495 | 2.1101 | 53.1015 | 14.8537 | 2.12186 |
| 14600 | 5.3374 | -.2538 | 2.1165 | 53.2439 | 14.8939 | 2.12908 |
| 14700 | 5.3416 | -.2581 | 2.1231 | 53.3883 | 14.9365 | 2.13650 |
| 14800 | 5.3458 | -.2625 | 2.1299 | 53.5347 | 14.9815 | 2.14412 |
| 14900 | 5.3501 | -.2668 | 2.1368 | 53.6831 | 15.0289 | 2.15195 |
| 15000 | 5.3545 | -.2712 | 2.1440 | 53.8335 | 15.0786 | 2.15999 |

LOG P= 1.9

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 200  | 2.7426  | 2.1134  | .8356  | 17.5812 | 2.7640 | 1.00000 |
| 300  | 2.9960  | 1.8629  | .9917  | 19.3729 | 3.3029 | 1.00000 |
| 400  | 3.1379  | 1.7246  | 1.0227 | 20.4762 | 3.4346 | 1.00000 |
| 600  | 3.3251  | 1.5445  | 1.0323 | 21.9802 | 3.5233 | 1.00000 |
| 900  | 3.5139  | 1.3701  | 1.0282 | 23.5228 | 3.6280 | 1.00000 |
| 1000 | 3.5638  | 1.3251  | 1.0265 | 23.7177 | 3.6624 | 1.00000 |
| 1400 | 3.7253  | 1.1814  | 1.0206 | 25.3223 | 3.7951 | 1.00000 |
| 1500 | 3.7589  | 1.1839  | 1.0193 | 25.6049 | 3.8267 | 1.00000 |
| 1500 | 3.7589  | 1.1516  | 1.0197 | 25.6272 | 3.8265 | .99996  |
| 1600 | 3.7905  | 1.1240  | 1.0186 | 25.9068 | 3.8584 | .99995  |
| 1700 | 3.8204  | 1.0981  | 1.0177 | 26.1729 | 3.8899 | .99995  |
| 1800 | 3.8486  | 1.0736  | 1.0168 | 26.4273 | 3.9206 | .99995  |
| 1900 | 3.8756  | 1.0505  | 1.0160 | 26.6713 | 3.9519 | .99995  |
| 2000 | 3.9013  | 1.0286  | 1.0152 | 26.9060 | 3.9833 | .99995  |
| 2100 | 3.9258  | 1.0076  | 1.0146 | 27.1324 | 4.0143 | .99996  |
| 2200 | 3.9495  | .9877   | 1.0140 | 27.3514 | 4.0465 | .99998  |
| 2300 | 3.9722  | .9686   | 1.0134 | 27.5638 | 4.0778 | 1.00003 |

|      |        |       |        |         |         |         |
|------|--------|-------|--------|---------|---------|---------|
| 2400 | 3.9941 | .9503 | 1.0130 | 27.7703 | 4.1100  | 1.00012 |
| 2500 | 4.0153 | .9328 | 1.0126 | 27.9718 | 4.1434  | 1.00026 |
| 2600 | 4.0359 | .9159 | 1.0123 | 28.1689 | 4.1774  | 1.00046 |
| 2700 | 4.0559 | .8995 | 1.0122 | 28.3624 | 4.2120  | 1.00077 |
| 2800 | 4.0755 | .8837 | 1.0122 | 28.5532 | 4.2494  | 1.00120 |
| 2900 | 4.0947 | .8684 | 1.0124 | 28.7418 | 4.2882  | 1.00179 |
| 3000 | 4.1138 | .8535 | 1.0129 | 28.9319 | 4.3321  | 1.00258 |
| 3100 | 4.1325 | .8389 | 1.0136 | 29.1189 | 4.3766  | 1.00361 |
| 3200 | 4.1509 | .8247 | 1.0146 | 29.3059 | 4.4237  | 1.00492 |
| 3300 | 4.1693 | .8108 | 1.0159 | 29.4938 | 4.4746  | 1.00657 |
| 3400 | 4.1876 | .7971 | 1.0176 | 29.6831 | 4.5300  | 1.00858 |
| 3500 | 4.2057 | .7836 | 1.0198 | 29.8741 | 4.5884  | 1.01101 |
| 3600 | 4.2240 | .7702 | 1.0224 | 30.0677 | 4.6521  | 1.01389 |
| 3700 | 4.2421 | .7570 | 1.0256 | 30.2637 | 4.7193  | 1.01726 |
| 3800 | 4.2603 | .7439 | 1.0292 | 30.4625 | 4.7918  | 1.02114 |
| 3900 | 4.2784 | .7308 | 1.0334 | 30.6641 | 4.8679  | 1.02555 |
| 4000 | 4.2964 | .7178 | 1.0381 | 30.8681 | 4.9472  | 1.03048 |
| 4100 | 4.3144 | .7049 | 1.0434 | 31.0743 | 5.0303  | 1.03595 |
| 4200 | 4.3322 | .6921 | 1.0492 | 31.2819 | 5.1156  | 1.04191 |
| 4300 | 4.3497 | .6793 | 1.0554 | 31.4904 | 5.2031  | 1.04829 |
| 4400 | 4.3670 | .6666 | 1.0620 | 31.6987 | 5.2906  | 1.05510 |
| 4500 | 4.3839 | .6540 | 1.0690 | 31.9067 | 5.3791  | 1.06224 |
| 4600 | 4.4004 | .6415 | 1.0762 | 32.1125 | 5.4654  | 1.06963 |
| 4700 | 4.4164 | .6292 | 1.0837 | 32.3156 | 5.5500  | 1.07720 |
| 4800 | 4.4319 | .6170 | 1.0912 | 32.5152 | 5.6319  | 1.08487 |
| 4900 | 4.4469 | .6051 | 1.0987 | 32.7106 | 5.7106  | 1.09252 |
| 5000 | 4.4619 | .5935 | 1.1059 | 32.9098 | 5.7935  | 1.09988 |
| 5100 | 4.4757 | .5820 | 1.1132 | 33.0953 | 5.8633  | 1.10732 |
| 5200 | 4.4890 | .5708 | 1.1204 | 33.2750 | 5.9286  | 1.11457 |
| 5300 | 4.5017 | .5599 | 1.1273 | 33.4491 | 5.9896  | 1.12158 |
| 5400 | 4.5139 | .5492 | 1.1339 | 33.6187 | 6.0467  | 1.12838 |
| 5500 | 4.5257 | .5388 | 1.1403 | 33.7833 | 6.1001  | 1.13490 |
| 5600 | 4.5371 | .5286 | 1.1466 | 33.9444 | 6.1509  | 1.14124 |
| 5700 | 4.5482 | .5186 | 1.1526 | 34.1026 | 6.1994  | 1.14735 |
| 5800 | 4.5591 | .5089 | 1.1584 | 34.2576 | 6.2464  | 1.15329 |
| 5900 | 4.5697 | .4993 | 1.1642 | 34.4113 | 6.2930  | 1.15911 |
| 6000 | 4.5802 | .4899 | 1.1698 | 34.5644 | 6.3397  | 1.16484 |
| 6100 | 4.5907 | .4806 | 1.1754 | 34.7175 | 6.3873  | 1.17053 |
| 6200 | 4.6011 | .4715 | 1.1810 | 34.8708 | 6.4367  | 1.17623 |
| 6300 | 4.6115 | .4625 | 1.1867 | 35.0261 | 6.4888  | 1.18203 |
| 6400 | 4.6220 | .4535 | 1.1925 | 35.1843 | 6.5438  | 1.18793 |
| 6500 | 4.6327 | .4446 | 1.1985 | 35.3452 | 6.6029  | 1.19401 |
| 6600 | 4.6435 | .4357 | 1.2048 | 35.5101 | 6.6667  | 1.20034 |
| 6700 | 4.6544 | .4268 | 1.2113 | 35.6792 | 6.7353  | 1.20692 |
| 6800 | 4.6656 | .4179 | 1.2182 | 35.8545 | 6.8098  | 1.21384 |
| 6900 | 4.6771 | .4090 | 1.2254 | 36.0347 | 6.8903  | 1.22113 |
| 7000 | 4.6888 | .4001 | 1.2331 | 36.2223 | 6.9778  | 1.22887 |
| 7100 | 4.7008 | .3911 | 1.2412 | 36.4158 | 7.0722  | 1.23708 |
| 7200 | 4.7131 | .3820 | 1.2498 | 36.6174 | 7.1742  | 1.24578 |
| 7300 | 4.7257 | .3728 | 1.2591 | 36.8266 | 7.2837  | 1.25506 |
| 7400 | 4.7386 | .3635 | 1.2689 | 37.0451 | 7.4020  | 1.26493 |
| 7500 | 4.7518 | .3541 | 1.2793 | 37.2718 | 7.5283  | 1.27541 |
| 7600 | 4.7652 | .3446 | 1.2904 | 37.5076 | 7.6635  | 1.28659 |
| 7700 | 4.7790 | .3350 | 1.3022 | 37.7519 | 7.8070  | 1.29842 |
| 7800 | 4.7930 | .3252 | 1.3147 | 38.0064 | 7.9596  | 1.31099 |
| 7900 | 4.8073 | .3153 | 1.3280 | 38.2706 | 8.1213  | 1.32432 |
| 8000 | 4.8218 | .3053 | 1.3420 | 38.5444 | 8.2922  | 1.33840 |
| 8100 | 4.8364 | .2952 | 1.3568 | 38.8274 | 8.4711  | 1.35322 |
| 8200 | 4.8513 | .2849 | 1.3723 | 39.1199 | 8.6587  | 1.36881 |
| 8300 | 4.8662 | .2745 | 1.3886 | 39.4211 | 8.8537  | 1.38512 |
| 8400 | 4.8812 | .2640 | 1.4056 | 39.7312 | 9.0566  | 1.40219 |
| 8500 | 4.8964 | .2534 | 1.4234 | 40.0502 | 9.2671  | 1.42000 |
| 8600 | 4.9115 | .2427 | 1.4418 | 40.3761 | 9.4830  | 1.43844 |
| 8700 | 4.9265 | .2321 | 1.4607 | 40.7075 | 9.7034  | 1.45744 |
| 8800 | 4.9414 | .2213 | 1.4803 | 41.0449 | 9.9290  | 1.47704 |
| 8900 | 4.9562 | .2105 | 1.5004 | 41.3881 | 10.1587 | 1.49720 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 9000  | 4.9709 | .1998  | 1.5209 | 41.7340 | 10.3898 | 1.51772 |
| 9100  | 4.9853 | .1891  | 1.5418 | 42.0831 | 10.6229 | 1.53865 |
| 9200  | 4.9994 | .1784  | 1.5629 | 42.4324 | 10.8548 | 1.55975 |
| 9300  | 5.0132 | .1679  | 1.5840 | 42.7805 | 11.0841 | 1.58090 |
| 9400  | 5.0266 | .1575  | 1.6052 | 43.1275 | 11.3114 | 1.60217 |
| 9500  | 5.0398 | .1472  | 1.6264 | 43.4724 | 11.5354 | 1.62342 |
| 9600  | 5.0524 | .1371  | 1.6474 | 43.8120 | 11.7530 | 1.64444 |
| 9700  | 5.0646 | .1272  | 1.6680 | 44.1448 | 11.9630 | 1.66510 |
| 9800  | 5.0764 | .1175  | 1.6883 | 44.4717 | 12.1662 | 1.68546 |
| 9900  | 5.0877 | .1080  | 1.7081 | 44.7898 | 12.3599 | 1.70527 |
| 10000 | 5.0984 | .0988  | 1.7272 | 45.0983 | 12.5431 | 1.72447 |
| 10100 | 5.1087 | .0898  | 1.7458 | 45.3982 | 12.7173 | 1.74312 |
| 10200 | 5.1185 | .0811  | 1.7636 | 45.6870 | 12.8801 | 1.76103 |
| 10300 | 5.1279 | .0727  | 1.7808 | 45.9661 | 13.0328 | 1.77829 |
| 10400 | 5.1368 | .0645  | 1.7972 | 46.2338 | 13.1739 | 1.79473 |
| 10500 | 5.1452 | .0566  | 1.8127 | 46.4897 | 13.3033 | 1.81034 |
| 10600 | 5.1532 | .0490  | 1.8275 | 46.7359 | 13.4228 | 1.82525 |
| 10700 | 5.1607 | .0416  | 1.8415 | 46.9706 | 13.5310 | 1.83931 |
| 10800 | 5.1679 | .0345  | 1.8547 | 47.1947 | 13.6287 | 1.85257 |
| 10900 | 5.1747 | .0276  | 1.8671 | 47.4094 | 13.7174 | 1.86514 |
| 11000 | 5.1812 | .0209  | 1.8788 | 47.6142 | 13.7965 | 1.87695 |
| 11100 | 5.1873 | .0144  | 1.8898 | 47.8096 | 13.8667 | 1.88804 |
| 11200 | 5.1932 | .0081  | 1.9002 | 47.9971 | 13.9297 | 1.89853 |
| 11300 | 5.1987 | .0021  | 1.9098 | 48.1756 | 13.9841 | 1.90829 |
| 11400 | 5.2040 | -.0038 | 1.9189 | 48.3474 | 14.0325 | 1.91755 |
| 11500 | 5.2092 | -.0096 | 1.9275 | 48.5132 | 14.0755 | 1.92632 |
| 11600 | 5.2141 | -.0151 | 1.9356 | 48.6718 | 14.1121 | 1.93452 |
| 11700 | 5.2188 | -.0206 | 1.9432 | 48.8256 | 14.1446 | 1.94233 |
| 11800 | 5.2233 | -.0259 | 1.9504 | 48.9740 | 14.1726 | 1.94972 |
| 11900 | 5.2278 | -.0311 | 1.9573 | 49.1186 | 14.1974 | 1.95680 |
| 12000 | 5.2320 | -.0361 | 1.9638 | 49.2585 | 14.2185 | 1.96349 |
| 12100 | 5.2362 | -.0411 | 1.9700 | 49.3952 | 14.2371 | 1.96993 |
| 12200 | 5.2403 | -.0460 | 1.9759 | 49.5288 | 14.2535 | 1.97612 |
| 12300 | 5.2443 | -.0508 | 1.9817 | 49.6602 | 14.2685 | 1.98213 |
| 12400 | 5.2482 | -.0555 | 1.9872 | 49.7887 | 14.2813 | 1.98791 |
| 12500 | 5.2521 | -.0602 | 1.9926 | 49.9157 | 14.2936 | 1.99357 |
| 12600 | 5.2559 | -.0648 | 1.9978 | 50.0410 | 14.3049 | 1.99908 |
| 12700 | 5.2596 | -.0693 | 2.0029 | 50.1649 | 14.3158 | 2.00450 |
| 12800 | 5.2634 | -.0738 | 2.0079 | 50.2878 | 14.3263 | 2.00983 |
| 12900 | 5.2671 | -.0783 | 2.0129 | 50.4103 | 14.3373 | 2.01514 |
| 13000 | 5.2708 | -.0827 | 2.0178 | 50.5321 | 14.3483 | 2.02041 |
| 13100 | 5.2744 | -.0870 | 2.0226 | 50.6536 | 14.3598 | 2.02566 |
| 13200 | 5.2781 | -.0914 | 2.0275 | 50.7750 | 14.3719 | 2.03091 |
| 13300 | 5.2818 | -.0957 | 2.0323 | 50.8964 | 14.3849 | 2.03618 |
| 13400 | 5.2854 | -.1000 | 2.0372 | 51.0183 | 14.3990 | 2.04150 |
| 13500 | 5.2891 | -.1043 | 2.0421 | 51.1404 | 14.4140 | 2.04686 |
| 13600 | 5.2928 | -.1085 | 2.0470 | 51.2633 | 14.4305 | 2.05230 |
| 13700 | 5.2965 | -.1128 | 2.0520 | 51.3868 | 14.4482 | 2.05781 |
| 13800 | 5.3003 | -.1170 | 2.0571 | 51.5112 | 14.4674 | 2.06341 |
| 13900 | 5.3040 | -.1212 | 2.0622 | 51.6366 | 14.4882 | 2.06912 |
| 14000 | 5.3078 | -.1254 | 2.0674 | 51.7638 | 14.5116 | 2.07494 |
| 14100 | 5.3116 | -.1296 | 2.0727 | 51.8904 | 14.5348 | 2.08088 |
| 14200 | 5.3155 | -.1338 | 2.0782 | 52.0192 | 14.5608 | 2.08695 |
| 14300 | 5.3194 | -.1380 | 2.0837 | 52.1493 | 14.5887 | 2.09317 |
| 14400 | 5.3233 | -.1422 | 2.0894 | 52.2810 | 14.6185 | 2.09953 |
| 14500 | 5.3272 | -.1464 | 2.0951 | 52.4140 | 14.6503 | 2.10605 |
| 14600 | 5.3312 | -.1507 | 2.1010 | 52.5485 | 14.6839 | 2.11273 |
| 14700 | 5.3352 | -.1549 | 2.1071 | 52.6847 | 14.7198 | 2.11959 |
| 14800 | 5.3393 | -.1591 | 2.1133 | 52.8226 | 14.7578 | 2.12661 |
| 14900 | 5.3434 | -.1633 | 2.1197 | 52.9621 | 14.7979 | 2.13382 |
| 15000 | 5.3475 | -.1676 | 2.1262 | 53.1035 | 14.8401 | 2.14122 |

LOG P= 2.0

|   |         |         |   |     |      |    |
|---|---------|---------|---|-----|------|----|
| T | LOG H/R | LOG RHO | Z | S/R | H/RT | Z* |
|---|---------|---------|---|-----|------|----|

|      |        |        |        |         |        |         |
|------|--------|--------|--------|---------|--------|---------|
| 200  | 2.7134 | 2.2250 | .8133  | 17.2152 | 2.5845 | 1.00000 |
| 300  | 2.9901 | 1.9616 | .9946  | 19.1009 | 3.2583 | 1.00000 |
| 1500 | 3.7594 | 1.2495 | 1.0247 | 25.3962 | 3.8308 | .99996  |
| 1600 | 3.7910 | 1.2220 | 1.0234 | 25.6759 | 3.8626 | .99995  |
| 1700 | 3.8208 | 1.1962 | 1.0222 | 25.9421 | 3.8939 | .99994  |
| 1800 | 3.8491 | 1.1718 | 1.0211 | 26.1966 | 3.9246 | .99994  |
| 1900 | 3.8760 | 1.1488 | 1.0200 | 26.4407 | 3.9557 | .99994  |
| 2000 | 3.9017 | 1.1269 | 1.0191 | 26.6754 | 3.9869 | .99993  |
| 2100 | 3.9262 | 1.1061 | 1.0183 | 26.9019 | 4.0178 | .99995  |
| 2200 | 3.9499 | 1.0862 | 1.0175 | 27.1208 | 4.0497 | .99996  |
| 2300 | 3.9725 | 1.0672 | 1.0168 | 27.3330 | 4.0809 | 1.00000 |
| 2400 | 3.9943 | 1.0490 | 1.0162 | 27.5393 | 4.1126 | 1.00008 |
| 2500 | 4.0155 | 1.0314 | 1.0157 | 27.7405 | 4.1456 | 1.00020 |
| 2600 | 4.0360 | 1.0146 | 1.0153 | 27.9371 | 4.1790 | 1.00039 |
| 2700 | 4.0559 | .9983  | 1.0150 | 28.1298 | 4.2129 | 1.00066 |
| 2800 | 4.0755 | .9826  | 1.0149 | 28.3196 | 4.2492 | 1.00104 |
| 2900 | 4.0945 | .9673  | 1.0149 | 28.5068 | 4.2867 | 1.00157 |
| 3000 | 4.1135 | .9525  | 1.0152 | 28.6953 | 4.3289 | 1.00227 |
| 3100 | 4.1320 | .9380  | 1.0157 | 28.8800 | 4.3714 | 1.00319 |
| 3200 | 4.1502 | .9239  | 1.0165 | 29.0644 | 4.4160 | 1.00436 |
| 3300 | 4.1682 | .9101  | 1.0176 | 29.2491 | 4.4640 | 1.00583 |
| 3400 | 4.1862 | .8965  | 1.0190 | 29.4346 | 4.5159 | 1.00763 |
| 3500 | 4.2040 | .8831  | 1.0208 | 29.6213 | 4.5706 | 1.00980 |
| 3600 | 4.2219 | .8699  | 1.0231 | 29.8100 | 4.6298 | 1.01239 |
| 3700 | 4.2396 | .8569  | 1.0258 | 30.0005 | 4.6922 | 1.01541 |
| 3800 | 4.2574 | .8439  | 1.0291 | 30.1933 | 4.7596 | 1.01891 |
| 3900 | 4.2750 | .8311  | 1.0328 | 30.3885 | 4.8301 | 1.02289 |
| 4000 | 4.2926 | .8183  | 1.0370 | 30.5856 | 4.9036 | 1.02736 |
| 4100 | 4.3101 | .8056  | 1.0417 | 30.7848 | 4.9808 | 1.03234 |
| 4200 | 4.3274 | .7930  | 1.0469 | 30.9853 | 5.0603 | 1.03777 |
| 4300 | 4.3446 | .7804  | 1.0526 | 31.1868 | 5.1422 | 1.04364 |
| 4400 | 4.3615 | .7680  | 1.0586 | 31.3883 | 5.2243 | 1.04993 |
| 4500 | 4.3782 | .7556  | 1.0651 | 31.5900 | 5.3080 | 1.05657 |
| 4600 | 4.3944 | .7433  | 1.0718 | 31.7900 | 5.3902 | 1.06349 |
| 4700 | 4.4102 | .7311  | 1.0787 | 31.9881 | 5.4714 | 1.07063 |
| 4800 | 4.4256 | .7191  | 1.0858 | 32.1834 | 5.5507 | 1.07792 |
| 4900 | 4.4405 | .7073  | 1.0930 | 32.3754 | 5.6277 | 1.08528 |
| 5000 | 4.4556 | .6958  | 1.1000 | 32.5723 | 5.7099 | 1.09242 |
| 5100 | 4.4695 | .6844  | 1.1071 | 32.7559 | 5.7795 | 1.09969 |
| 5200 | 4.4828 | .6732  | 1.1141 | 32.9343 | 5.8451 | 1.10682 |
| 5300 | 4.4956 | .6623  | 1.1209 | 33.1077 | 5.9070 | 1.11379 |
| 5400 | 4.5080 | .6516  | 1.1276 | 33.2769 | 5.9651 | 1.12059 |
| 5500 | 4.5200 | .6412  | 1.1340 | 33.4412 | 6.0198 | 1.12715 |
| 5600 | 4.5315 | .6310  | 1.1403 | 33.6021 | 6.0718 | 1.13355 |
| 5700 | 4.5427 | .6210  | 1.1463 | 33.7599 | 6.1213 | 1.13973 |
| 5800 | 4.5536 | .6112  | 1.1522 | 33.9142 | 6.1690 | 1.14575 |
| 5900 | 4.5644 | .6016  | 1.1580 | 34.0668 | 6.2158 | 1.15163 |
| 6000 | 4.5749 | .5922  | 1.1636 | 34.2182 | 6.2622 | 1.15741 |
| 6100 | 4.5853 | .5829  | 1.1692 | 34.3691 | 6.3089 | 1.16310 |
| 6200 | 4.5956 | .5738  | 1.1748 | 34.5194 | 6.3565 | 1.16878 |
| 6300 | 4.6059 | .5648  | 1.1804 | 34.6710 | 6.4062 | 1.17450 |
| 6400 | 4.6163 | .5559  | 1.1861 | 34.8246 | 6.4580 | 1.18029 |
| 6500 | 4.6267 | .5470  | 1.1919 | 34.9802 | 6.5131 | 1.18620 |
| 6600 | 4.6372 | .5382  | 1.1979 | 35.1388 | 6.5720 | 1.19230 |
| 6700 | 4.6479 | .5294  | 1.2041 | 35.3008 | 6.6349 | 1.19860 |
| 6800 | 4.6588 | .5206  | 1.2106 | 35.4679 | 6.7028 | 1.20518 |
| 6900 | 4.6698 | .5119  | 1.2174 | 35.6390 | 6.7758 | 1.21206 |
| 7000 | 4.6811 | .5031  | 1.2246 | 35.8166 | 6.8550 | 1.21931 |
| 7100 | 4.6926 | .4942  | 1.2321 | 35.9990 | 6.9401 | 1.22697 |
| 7200 | 4.7044 | .4853  | 1.2401 | 36.1885 | 7.0318 | 1.23505 |
| 7300 | 4.7164 | .4764  | 1.2487 | 36.3846 | 7.1304 | 1.24364 |
| 7400 | 4.7288 | .4674  | 1.2577 | 36.5889 | 7.2367 | 1.25274 |
| 7500 | 4.7414 | .4582  | 1.2673 | 36.8005 | 7.3501 | 1.26238 |
| 7600 | 4.7542 | .4490  | 1.2775 | 37.0202 | 7.4717 | 1.27264 |
| 7700 | 4.7674 | .4397  | 1.2882 | 37.2475 | 7.6007 | 1.28349 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 7800  | 4.7807 | .4302  | 1.2997 | 37.4841 | 7.7381  | 1.29500 |
| 7900  | 4.7944 | .4206  | 1.3118 | 37.7294 | 7.8839  | 1.30721 |
| 8000  | 4.8083 | .4110  | 1.3247 | 37.9836 | 8.0383  | 1.32011 |
| 8100  | 4.8223 | .4011  | 1.3382 | 38.2465 | 8.2004  | 1.33369 |
| 8200  | 4.8366 | .3912  | 1.3524 | 38.5183 | 8.3707  | 1.34799 |
| 8300  | 4.8510 | .3812  | 1.3674 | 38.7985 | 8.5483  | 1.36298 |
| 8400  | 4.8655 | .3710  | 1.3830 | 39.0873 | 8.7337  | 1.37870 |
| 8500  | 4.8801 | .3608  | 1.3994 | 39.3850 | 8.9269  | 1.39515 |
| 8600  | 4.8948 | .3504  | 1.4165 | 39.6900 | 9.1260  | 1.41224 |
| 8700  | 4.9094 | .3401  | 1.4341 | 40.0008 | 9.3300  | 1.42989 |
| 8800  | 4.9240 | .3296  | 1.4523 | 40.3185 | 9.5401  | 1.44820 |
| 8900  | 4.9386 | .3191  | 1.4712 | 40.6426 | 9.7553  | 1.46711 |
| 9000  | 4.9531 | .3086  | 1.4905 | 40.9708 | 9.9732  | 1.48645 |
| 9100  | 4.9674 | .2981  | 1.5103 | 41.3035 | 10.1944 | 1.50630 |
| 9200  | 4.9815 | .2876  | 1.5303 | 41.6380 | 10.4164 | 1.52642 |
| 9300  | 4.9953 | .2772  | 1.5506 | 41.9732 | 10.6376 | 1.54674 |
| 9400  | 5.0089 | .2668  | 1.5711 | 42.3094 | 10.8590 | 1.56732 |
| 9500  | 5.0222 | .2565  | 1.5918 | 42.6457 | 11.0792 | 1.58804 |
| 9600  | 5.0352 | .2464  | 1.6124 | 42.9790 | 11.2953 | 1.60870 |
| 9700  | 5.0477 | .2364  | 1.6329 | 43.3079 | 11.5063 | 1.62919 |
| 9800  | 5.0599 | .2266  | 1.6532 | 43.6334 | 11.7127 | 1.64955 |
| 9900  | 5.0716 | .2170  | 1.6731 | 43.9523 | 11.9117 | 1.66955 |
| 10000 | 5.0829 | .2076  | 1.6926 | 44.2638 | 12.1025 | 1.68910 |
| 10100 | 5.0937 | .1984  | 1.7117 | 44.5687 | 12.2860 | 1.70827 |
| 10200 | 5.1041 | .1895  | 1.7302 | 44.8644 | 12.4598 | 1.72685 |
| 10300 | 5.1141 | .1807  | 1.7482 | 45.1519 | 12.6250 | 1.74490 |
| 10400 | 5.1236 | .1723  | 1.7655 | 45.4293 | 12.7797 | 1.76226 |
| 10500 | 5.1326 | .1641  | 1.7820 | 45.6960 | 12.9235 | 1.77887 |
| 10600 | 5.1412 | .1561  | 1.7979 | 45.9538 | 13.0581 | 1.79485 |
| 10700 | 5.1494 | .1484  | 1.8130 | 46.2008 | 13.1820 | 1.81005 |
| 10800 | 5.1571 | .1409  | 1.8273 | 46.4374 | 13.2953 | 1.82447 |
| 10900 | 5.1645 | .1337  | 1.8410 | 46.6648 | 13.3998 | 1.83823 |
| 11000 | 5.1715 | .1267  | 1.8539 | 46.8821 | 13.4943 | 1.85122 |
| 11100 | 5.1782 | .1199  | 1.8660 | 47.0899 | 13.5795 | 1.86349 |
| 11200 | 5.1846 | .1134  | 1.8775 | 47.2894 | 13.6570 | 1.87513 |
| 11300 | 5.1906 | .1070  | 1.8882 | 47.4793 | 13.7252 | 1.88600 |
| 11400 | 5.1964 | .1009  | 1.8984 | 47.6620 | 13.7867 | 1.89633 |
| 11500 | 5.2019 | .0949  | 1.9081 | 47.8381 | 13.8422 | 1.90613 |
| 11600 | 5.2072 | .0891  | 1.9171 | 48.0062 | 13.8902 | 1.91530 |
| 11700 | 5.2122 | .0834  | 1.9256 | 48.1687 | 13.9332 | 1.92401 |
| 11800 | 5.2171 | .0779  | 1.9337 | 48.3251 | 13.9709 | 1.93224 |
| 11900 | 5.2218 | .0725  | 1.9413 | 48.4769 | 14.0047 | 1.94011 |
| 12000 | 5.2264 | .0673  | 1.9485 | 48.6231 | 14.0336 | 1.94750 |
| 12100 | 5.2308 | .0621  | 1.9554 | 48.7655 | 14.0594 | 1.95459 |
| 12200 | 5.2350 | .0571  | 1.9619 | 48.9039 | 14.0820 | 1.96137 |
| 12300 | 5.2392 | .0522  | 1.9682 | 49.0394 | 14.1025 | 1.96790 |
| 12400 | 5.2433 | .0473  | 1.9742 | 49.1713 | 14.1200 | 1.97413 |
| 12500 | 5.2472 | .0426  | 1.9800 | 49.3010 | 14.1363 | 1.98019 |
| 12600 | 5.2512 | .0379  | 1.9855 | 49.4283 | 14.1509 | 1.98606 |
| 12700 | 5.2550 | .0333  | 1.9909 | 49.5536 | 14.1643 | 1.99175 |
| 12800 | 5.2588 | .0287  | 1.9962 | 49.6773 | 14.1767 | 1.99732 |
| 12900 | 5.2625 | .0242  | 2.0013 | 49.8000 | 14.1890 | 2.00281 |
| 13000 | 5.2663 | .0198  | 2.0064 | 49.9214 | 14.2009 | 2.00822 |
| 13100 | 5.2700 | .0154  | 2.0113 | 50.0420 | 14.2126 | 2.01355 |
| 13200 | 5.2736 | .0110  | 2.0162 | 50.1620 | 14.2245 | 2.01885 |
| 13300 | 5.2773 | .0067  | 2.0211 | 50.2815 | 14.2366 | 2.02412 |
| 13400 | 5.2809 | .0024  | 2.0259 | 50.4011 | 14.2495 | 2.02940 |
| 13500 | 5.2845 | -.0018 | 2.0307 | 50.5204 | 14.2628 | 2.03468 |
| 13600 | 5.2882 | -.0061 | 2.0355 | 50.6401 | 14.2772 | 2.04000 |
| 13700 | 5.2918 | -.0103 | 2.0404 | 50.7600 | 14.2924 | 2.04536 |
| 13800 | 5.2955 | -.0145 | 2.0453 | 50.8803 | 14.3088 | 2.05077 |
| 13900 | 5.2992 | -.0187 | 2.0502 | 51.0013 | 14.3264 | 2.05626 |
| 14000 | 5.3029 | -.0228 | 2.0552 | 51.1237 | 14.3461 | 2.06181 |
| 14100 | 5.3065 | -.0270 | 2.0602 | 51.2453 | 14.3655 | 2.06746 |
| 14200 | 5.3103 | -.0311 | 2.0653 | 51.3687 | 14.3872 | 2.07322 |
| 14300 | 5.3140 | -.0353 | 2.0705 | 51.4930 | 14.4106 | 2.07908 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 14400 | 5.3178 | -.0394 | 2.0758 | 51.6185 | 14.4355 | 2.08506 |
| 14500 | 5.3216 | -.0435 | 2.0812 | 51.7450 | 14.4621 | 2.09116 |
| 14600 | 5.3254 | -.0477 | 2.0867 | 51.8727 | 14.4903 | 2.09740 |
| 14700 | 5.3293 | -.0518 | 2.0923 | 52.0019 | 14.5205 | 2.10379 |
| 14800 | 5.3332 | -.0559 | 2.0980 | 52.1324 | 14.5525 | 2.11031 |
| 14900 | 5.3371 | -.0601 | 2.1039 | 52.2643 | 14.5862 | 2.11700 |
| 15000 | 5.3411 | -.0642 | 2.1098 | 52.3978 | 14.6220 | 2.12385 |

LOG P= 2.1

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 200  | 2.6797  | 2.3308  | .8020  | 16.8389 | 2.3916 | 1.00000 |
| 300  | 2.9831  | 2.0589  | 1.0006 | 18.8202 | 3.2064 | 1.00000 |
| 1500 | 3.7600  | 1.3468  | 1.0309 | 25.1649 | 3.8361 | .99995  |
| 1600 | 3.7916  | 1.3195  | 1.0292 | 25.4448 | 3.8678 | .99994  |
| 1700 | 3.8214  | 1.2938  | 1.0277 | 25.7112 | 3.8990 | .99994  |
| 1800 | 3.8496  | 1.2696  | 1.0264 | 25.9658 | 3.9295 | .99993  |
| 1900 | 3.8765  | 1.2466  | 1.0251 | 26.2100 | 3.9604 | .99992  |
| 2000 | 3.9022  | 1.2248  | 1.0240 | 26.4448 | 3.9915 | .99992  |
| 2100 | 3.9267  | 1.2041  | 1.0229 | 26.6713 | 4.0222 | .99993  |
| 2200 | 3.9503  | 1.1843  | 1.0219 | 26.8902 | 4.0539 | .99994  |
| 2300 | 3.9729  | 1.1654  | 1.0211 | 27.1023 | 4.0848 | .99998  |
| 2400 | 3.9947  | 1.1472  | 1.0203 | 27.3085 | 4.1162 | 1.00005 |
| 2500 | 4.0159  | 1.1298  | 1.0196 | 27.5094 | 4.1487 | 1.00015 |
| 2600 | 4.0363  | 1.1130  | 1.0190 | 27.7054 | 4.1815 | 1.00031 |
| 2700 | 4.0561  | 1.0968  | 1.0186 | 27.8975 | 4.2146 | 1.00056 |
| 2800 | 4.0756  | 1.0811  | 1.0183 | 28.0863 | 4.2500 | 1.00089 |
| 2900 | 4.0945  | 1.0659  | 1.0181 | 28.2724 | 4.2863 | 1.00136 |
| 3000 | 4.1133  | 1.0512  | 1.0182 | 28.4593 | 4.3270 | 1.00199 |
| 3100 | 4.1316  | 1.0368  | 1.0185 | 28.6421 | 4.3677 | 1.00281 |
| 3200 | 4.1496  | 1.0228  | 1.0191 | 28.8242 | 4.4101 | 1.00386 |
| 3300 | 4.1674  | 1.0091  | 1.0199 | 29.0060 | 4.4554 | 1.00516 |
| 3400 | 4.1851  | .9956   | 1.0211 | 29.1881 | 4.5043 | 1.00678 |
| 3500 | 4.2026  | .9824   | 1.0226 | 29.3709 | 4.5554 | 1.00872 |
| 3600 | 4.2201  | .9693   | 1.0245 | 29.5552 | 4.6107 | 1.01104 |
| 3700 | 4.2374  | .9565   | 1.0268 | 29.7406 | 4.6687 | 1.01375 |
| 3800 | 4.2548  | .9437   | 1.0296 | 29.9280 | 4.7313 | 1.01690 |
| 3900 | 4.2720  | .9310   | 1.0329 | 30.1172 | 4.7967 | 1.02049 |
| 4000 | 4.2891  | .9185   | 1.0366 | 30.3081 | 4.8648 | 1.02453 |
| 4100 | 4.3062  | .9060   | 1.0408 | 30.5007 | 4.9365 | 1.02904 |
| 4200 | 4.3231  | .8936   | 1.0455 | 30.6945 | 5.0104 | 1.03399 |
| 4300 | 4.3399  | .8813   | 1.0506 | 30.8893 | 5.0869 | 1.03936 |
| 4400 | 4.3564  | .8690   | 1.0561 | 31.0843 | 5.1637 | 1.04514 |
| 4500 | 4.3728  | .8568   | 1.0620 | 31.2797 | 5.2426 | 1.05129 |
| 4600 | 4.3887  | .8448   | 1.0681 | 31.4738 | 5.3204 | 1.05773 |
| 4700 | 4.4043  | .8328   | 1.0746 | 31.6665 | 5.3977 | 1.06443 |
| 4800 | 4.4195  | .8210   | 1.0813 | 31.8572 | 5.4739 | 1.07131 |
| 4900 | 4.4344  | .8093   | 1.0881 | 32.0451 | 5.5485 | 1.07832 |
| 5000 | 4.4494  | .7979   | 1.0947 | 32.2391 | 5.6294 | 1.08518 |
| 5100 | 4.4633  | .7866   | 1.1015 | 32.4201 | 5.6980 | 1.09222 |
| 5200 | 4.4767  | .7755   | 1.1083 | 32.5967 | 5.7633 | 1.09918 |
| 5300 | 4.4896  | .7646   | 1.1150 | 32.7687 | 5.8254 | 1.10605 |
| 5400 | 4.5021  | .7539   | 1.1216 | 32.9369 | 5.8841 | 1.11278 |
| 5500 | 4.5141  | .7435   | 1.1279 | 33.1006 | 5.9396 | 1.11933 |
| 5600 | 4.5258  | .7333   | 1.1342 | 33.2610 | 5.9925 | 1.12574 |
| 5700 | 4.5371  | .7233   | 1.1402 | 33.4181 | 6.0429 | 1.13196 |
| 5800 | 4.5481  | .7135   | 1.1461 | 33.5717 | 6.0911 | 1.13803 |
| 5900 | 4.5589  | .7039   | 1.1519 | 33.7234 | 6.1383 | 1.14395 |
| 6000 | 4.5695  | .6945   | 1.1576 | 33.8734 | 6.1845 | 1.14976 |
| 6100 | 4.5799  | .6852   | 1.1632 | 34.0224 | 6.2306 | 1.15547 |
| 6200 | 4.5902  | .6761   | 1.1687 | 34.1702 | 6.2771 | 1.16114 |
| 6300 | 4.6004  | .6671   | 1.1742 | 34.3187 | 6.3250 | 1.16682 |
| 6400 | 4.6106  | .6582   | 1.1798 | 34.4686 | 6.3743 | 1.17253 |
| 6500 | 4.6209  | .6493   | 1.1855 | 34.6196 | 6.4262 | 1.17831 |

|       |        |       |        |         |         |         |
|-------|--------|-------|--------|---------|---------|---------|
| 6600  | 4.6312 | .6406 | 1.1913 | 34.7728 | 6.4811  | 1.18423 |
| 6700  | 4.6416 | .6319 | 1.1972 | 34.9287 | 6.5393  | 1.19031 |
| 6800  | 4.6522 | .6232 | 1.2034 | 35.0888 | 6.6016  | 1.19660 |
| 6900  | 4.6629 | .6146 | 1.2098 | 35.2521 | 6.6683  | 1.20314 |
| 7000  | 4.6738 | .6059 | 1.2166 | 35.4207 | 6.7402  | 1.20999 |
| 7100  | 4.6849 | .5972 | 1.2237 | 35.5934 | 6.8172  | 1.21717 |
| 7200  | 4.6962 | .5885 | 1.2311 | 35.7722 | 6.9000  | 1.22472 |
| 7300  | 4.7077 | .5798 | 1.2390 | 35.9567 | 6.9889  | 1.23271 |
| 7400  | 4.7195 | .5709 | 1.2474 | 36.1484 | 7.0845  | 1.24114 |
| 7500  | 4.7316 | .5620 | 1.2562 | 36.3464 | 7.1865  | 1.25003 |
| 7600  | 4.7439 | .5531 | 1.2655 | 36.5516 | 7.2958  | 1.25949 |
| 7700  | 4.7564 | .5440 | 1.2754 | 36.7635 | 7.4119  | 1.26945 |
| 7800  | 4.7692 | .5349 | 1.2859 | 36.9838 | 7.5355  | 1.28002 |
| 7900  | 4.7823 | .5256 | 1.2970 | 37.2120 | 7.6669  | 1.29121 |
| 8000  | 4.7955 | .5162 | 1.3088 | 37.4483 | 7.8062  | 1.30303 |
| 8100  | 4.8090 | .5067 | 1.3211 | 37.6926 | 7.9526  | 1.31548 |
| 8200  | 4.8227 | .4971 | 1.3342 | 37.9452 | 8.1069  | 1.32859 |
| 8300  | 4.8365 | .4874 | 1.3478 | 38.2056 | 8.2680  | 1.34234 |
| 8400  | 4.8505 | .4776 | 1.3622 | 38.4743 | 8.4368  | 1.35679 |
| 8500  | 4.8646 | .4677 | 1.3773 | 38.7516 | 8.6132  | 1.37193 |
| 8600  | 4.8788 | .4577 | 1.3930 | 39.0362 | 8.7955  | 1.38770 |
| 8700  | 4.8930 | .4476 | 1.4093 | 39.3268 | 8.9833  | 1.40403 |
| 8800  | 4.9072 | .4375 | 1.4262 | 39.6244 | 9.1774  | 1.42103 |
| 8900  | 4.9215 | .4273 | 1.4438 | 39.9290 | 9.3773  | 1.43864 |
| 9000  | 4.9356 | .4170 | 1.4618 | 40.2385 | 9.5807  | 1.45675 |
| 9100  | 4.9498 | .4067 | 1.4804 | 40.5533 | 9.7887  | 1.47540 |
| 9200  | 4.9637 | .3965 | 1.4994 | 40.8713 | 9.9986  | 1.49443 |
| 9300  | 4.9775 | .3862 | 1.5186 | 41.1917 | 10.2095 | 1.51376 |
| 9400  | 4.9911 | .3760 | 1.5383 | 41.5145 | 10.4221 | 1.53345 |
| 9500  | 5.0045 | .3658 | 1.5582 | 41.8393 | 10.6354 | 1.55342 |
| 9600  | 5.0176 | .3557 | 1.5782 | 42.1631 | 10.8467 | 1.57347 |
| 9700  | 5.0303 | .3458 | 1.5981 | 42.4845 | 11.0548 | 1.59350 |
| 9800  | 5.0428 | .3359 | 1.6181 | 42.8047 | 11.2605 | 1.61357 |
| 9900  | 5.0549 | .3262 | 1.6379 | 43.1205 | 11.4609 | 1.63345 |
| 10000 | 5.0665 | .3167 | 1.6575 | 43.4309 | 11.6551 | 1.65303 |
| 10100 | 5.0778 | .3074 | 1.6768 | 43.7369 | 11.8441 | 1.67241 |
| 10200 | 5.0887 | .2982 | 1.6956 | 44.0356 | 12.0253 | 1.69135 |
| 10300 | 5.0992 | .2893 | 1.7141 | 44.3281 | 12.1997 | 1.70993 |
| 10400 | 5.1092 | .2806 | 1.7321 | 44.6121 | 12.3650 | 1.72794 |
| 10500 | 5.1188 | .2721 | 1.7494 | 44.8868 | 12.5208 | 1.74533 |
| 10600 | 5.1280 | .2638 | 1.7661 | 45.1539 | 12.6685 | 1.76220 |
| 10700 | 5.1368 | .2558 | 1.7822 | 45.4112 | 12.8062 | 1.77837 |
| 10800 | 5.1452 | .2480 | 1.7976 | 45.6587 | 12.9340 | 1.79383 |
| 10900 | 5.1532 | .2405 | 1.8123 | 45.8978 | 13.0533 | 1.80869 |
| 11000 | 5.1607 | .2332 | 1.8263 | 46.1270 | 13.1629 | 1.82281 |
| 11100 | 5.1680 | .2261 | 1.8396 | 46.3468 | 13.2630 | 1.83622 |
| 11200 | 5.1749 | .2192 | 1.8523 | 46.5584 | 13.3553 | 1.84902 |
| 11300 | 5.1814 | .2126 | 1.8642 | 46.7599 | 13.4378 | 1.86103 |
| 11400 | 5.1877 | .2061 | 1.8755 | 46.9540 | 13.5132 | 1.87246 |
| 11500 | 5.1937 | .1999 | 1.8862 | 47.1411 | 13.5819 | 1.88336 |
| 11600 | 5.1994 | .1938 | 1.8962 | 47.3194 | 13.6424 | 1.89356 |
| 11700 | 5.2048 | .1879 | 1.9058 | 47.4917 | 13.6973 | 1.90326 |
| 11800 | 5.2101 | .1822 | 1.9147 | 47.6572 | 13.7461 | 1.91243 |
| 11900 | 5.2151 | .1766 | 1.9233 | 47.8174 | 13.7901 | 1.92118 |
| 12000 | 5.2200 | .1711 | 1.9313 | 47.9712 | 13.8283 | 1.92940 |
| 12100 | 5.2246 | .1658 | 1.9389 | 48.1205 | 13.8628 | 1.93726 |
| 12200 | 5.2292 | .1606 | 1.9462 | 48.2652 | 13.8933 | 1.94474 |
| 12300 | 5.2336 | .1555 | 1.9531 | 48.4063 | 13.9208 | 1.95192 |
| 12400 | 5.2378 | .1505 | 1.9597 | 48.5429 | 13.9446 | 1.95874 |
| 12500 | 5.2420 | .1457 | 1.9660 | 48.6768 | 13.9663 | 1.96533 |
| 12600 | 5.2461 | .1409 | 1.9720 | 48.8076 | 13.9858 | 1.97166 |
| 12700 | 5.2500 | .1362 | 1.9778 | 48.9356 | 14.0032 | 1.97778 |
| 12800 | 5.2539 | .1315 | 1.9834 | 49.0615 | 14.0192 | 1.98369 |
| 12900 | 5.2578 | .1269 | 1.9889 | 49.1857 | 14.0342 | 1.98949 |
| 13000 | 5.2616 | .1224 | 1.9942 | 49.3082 | 14.0483 | 1.99516 |
| 13100 | 5.2653 | .1180 | 1.9994 | 49.4292 | 14.0616 | 2.00070 |

|       |        |       |        |         |         |         |
|-------|--------|-------|--------|---------|---------|---------|
| 13200 | 5.2690 | .1136 | 2.0044 | 49.5491 | 14.0746 | 2.00616 |
| 13300 | 5.2727 | .1092 | 2.0094 | 49.6681 | 14.0872 | 2.01154 |
| 13400 | 5.2763 | .1049 | 2.0143 | 49.7866 | 14.1002 | 2.01689 |
| 13500 | 5.2800 | .1006 | 2.0192 | 49.9043 | 14.1130 | 2.02219 |
| 13600 | 5.2836 | .0964 | 2.0240 | 50.0220 | 14.1265 | 2.02750 |
| 13700 | 5.2872 | .0922 | 2.0288 | 50.1394 | 14.1405 | 2.03281 |
| 13800 | 5.2908 | .0880 | 2.0336 | 50.2569 | 14.1550 | 2.03813 |
| 13900 | 5.2944 | .0838 | 2.0384 | 50.3747 | 14.1706 | 2.04349 |
| 14000 | 5.2980 | .0797 | 2.0432 | 50.4934 | 14.1876 | 2.04888 |
| 14100 | 5.3016 | .0756 | 2.0481 | 50.6111 | 14.2043 | 2.05434 |
| 14200 | 5.3053 | .0715 | 2.0530 | 50.7301 | 14.2229 | 2.05987 |
| 14300 | 5.3089 | .0674 | 2.0579 | 50.8498 | 14.2426 | 2.06547 |
| 14400 | 5.3126 | .0633 | 2.0630 | 50.9702 | 14.2638 | 2.07115 |
| 14500 | 5.3163 | .0592 | 2.0680 | 51.0914 | 14.2862 | 2.07694 |
| 14600 | 5.3200 | .0552 | 2.0732 | 51.2135 | 14.3100 | 2.08282 |
| 14700 | 5.3237 | .0511 | 2.0784 | 51.3368 | 14.3355 | 2.08883 |
| 14800 | 5.3275 | .0470 | 2.0837 | 51.4610 | 14.3624 | 2.09495 |
| 14900 | 5.3313 | .0430 | 2.0892 | 51.5864 | 14.3910 | 2.10121 |
| 15000 | 5.3351 | .0389 | 2.0947 | 51.7130 | 14.4213 | 2.10760 |

## LOG P= 2.2

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 200  | 2.6459  | 2.4263  | .8117  | 16.4681 | 2.2123 | 1.00000 |
| 300  | 2.9755  | 2.1535  | 1.0131 | 18.5321 | 3.1504 | 1.00000 |
| 1500 | 3.7607  | 1.4436  | 1.0386 | 24.9333 | 3.8427 | .99995  |
| 1600 | 3.7923  | 1.4164  | 1.0366 | 25.2134 | 3.8742 | .99994  |
| 1700 | 3.8221  | 1.3909  | 1.0347 | 25.4800 | 3.9053 | .99993  |
| 1800 | 3.8503  | 1.3668  | 1.0330 | 25.7348 | 3.9356 | .99992  |
| 1900 | 3.8772  | 1.3440  | 1.0314 | 25.9792 | 3.9664 | .99991  |
| 2000 | 3.9028  | 1.3223  | 1.0300 | 26.2141 | 3.9972 | .99990  |
| 2100 | 3.9273  | 1.3017  | 1.0287 | 26.4406 | 4.0277 | .99991  |
| 2200 | 3.9509  | 1.2820  | 1.0274 | 26.6595 | 4.0591 | .99992  |
| 2300 | 3.9734  | 1.2631  | 1.0263 | 26.8716 | 4.0897 | .99995  |
| 2400 | 3.9952  | 1.2451  | 1.0253 | 27.0776 | 4.1208 | 1.00001 |
| 2500 | 4.0163  | 1.2277  | 1.0245 | 27.2782 | 4.1529 | 1.00011 |
| 2600 | 4.0367  | 1.2110  | 1.0237 | 27.4739 | 4.1851 | 1.00024 |
| 2700 | 4.0564  | 1.1949  | 1.0231 | 27.6654 | 4.2176 | 1.00045 |
| 2800 | 4.0758  | 1.1793  | 1.0225 | 27.8534 | 4.2520 | 1.00076 |
| 2900 | 4.0946  | 1.1642  | 1.0222 | 28.0384 | 4.2872 | 1.00118 |
| 3000 | 4.1133  | 1.1495  | 1.0221 | 28.2240 | 4.3266 | 1.00173 |
| 3100 | 4.1314  | 1.1353  | 1.0221 | 28.4051 | 4.3655 | 1.00246 |
| 3200 | 4.1492  | 1.1214  | 1.0224 | 28.5850 | 4.4059 | 1.00340 |
| 3300 | 4.1668  | 1.1078  | 1.0230 | 28.7642 | 4.4489 | 1.00456 |
| 3400 | 4.1842  | 1.0944  | 1.0239 | 28.9434 | 4.4950 | 1.00600 |
| 3500 | 4.2014  | 1.0813  | 1.0251 | 29.1227 | 4.5428 | 1.00774 |
| 3600 | 4.2185  | 1.0684  | 1.0267 | 29.3029 | 4.5945 | 1.00982 |
| 3700 | 4.2355  | 1.0557  | 1.0287 | 29.4838 | 4.6485 | 1.01226 |
| 3800 | 4.2525  | 1.0431  | 1.0310 | 29.6663 | 4.7067 | 1.01508 |
| 3900 | 4.2694  | 1.0306  | 1.0339 | 29.8501 | 4.7674 | 1.01831 |
| 4000 | 4.2861  | 1.0183  | 1.0371 | 30.0352 | 4.8306 | 1.02197 |
| 4100 | 4.3027  | 1.0060  | 1.0408 | 30.2218 | 4.8972 | 1.02605 |
| 4200 | 4.3192  | .9938   | 1.0449 | 30.4093 | 4.9658 | 1.03054 |
| 4300 | 4.3356  | .9817   | 1.0495 | 30.5977 | 5.0370 | 1.03545 |
| 4400 | 4.3518  | .9697   | 1.0544 | 30.7864 | 5.1088 | 1.04074 |
| 4500 | 4.3678  | .9577   | 1.0598 | 30.9756 | 5.1827 | 1.04640 |
| 4600 | 4.3834  | .9459   | 1.0654 | 31.1638 | 5.2560 | 1.05236 |
| 4700 | 4.3988  | .9341   | 1.0714 | 31.3511 | 5.3293 | 1.05861 |
| 4800 | 4.4138  | .9225   | 1.0776 | 31.5368 | 5.4020 | 1.06507 |
| 4900 | 4.4285  | .9110   | 1.0839 | 31.7204 | 5.4738 | 1.07170 |
| 5000 | 4.4435  | .8997   | 1.0902 | 31.9109 | 5.5527 | 1.07823 |
| 5100 | 4.4573  | .8885   | 1.0967 | 32.0888 | 5.6197 | 1.08499 |
| 5200 | 4.4707  | .8775   | 1.1032 | 32.2628 | 5.6841 | 1.09173 |
| 5300 | 4.4836  | .8667   | 1.1097 | 32.4329 | 5.7457 | 1.09843 |

|       |        |       |        |         |         |         |
|-------|--------|-------|--------|---------|---------|---------|
| 5400  | 4.4962 | .8561 | 1.1161 | 32.5997 | 5.8044  | 1.10504 |
| 5500  | 4.5083 | .8457 | 1.1223 | 32.7622 | 5.8603  | 1.11151 |
| 5600  | 4.5200 | .8355 | 1.1285 | 32.9216 | 5.9136  | 1.11789 |
| 5700  | 4.5315 | .8255 | 1.1345 | 33.0780 | 5.9646  | 1.12410 |
| 5800  | 4.5426 | .8157 | 1.1404 | 33.2307 | 6.0134  | 1.13018 |
| 5900  | 4.5534 | .8061 | 1.1461 | 33.3813 | 6.0608  | 1.13612 |
| 6000  | 4.5640 | .7966 | 1.1518 | 33.5301 | 6.1071  | 1.14195 |
| 6100  | 4.5744 | .7874 | 1.1573 | 33.6774 | 6.1529  | 1.14767 |
| 6200  | 4.5847 | .7783 | 1.1628 | 33.8232 | 6.1985  | 1.15333 |
| 6300  | 4.5949 | .7693 | 1.1683 | 33.9691 | 6.2450  | 1.15899 |
| 6400  | 4.6050 | .7604 | 1.1738 | 34.1157 | 6.2924  | 1.16463 |
| 6500  | 4.6151 | .7516 | 1.1793 | 34.2628 | 6.3418  | 1.17031 |
| 6600  | 4.6253 | .7429 | 1.1850 | 34.4115 | 6.3934  | 1.17610 |
| 6700  | 4.6355 | .7343 | 1.1907 | 34.5621 | 6.4476  | 1.18199 |
| 6800  | 4.6458 | .7257 | 1.1966 | 34.7161 | 6.5053  | 1.18805 |
| 6900  | 4.6562 | .7171 | 1.2027 | 34.8725 | 6.5665  | 1.19431 |
| 7000  | 4.6668 | .7086 | 1.2091 | 35.0335 | 6.6322  | 1.20082 |
| 7100  | 4.6775 | .7000 | 1.2158 | 35.1976 | 6.7022  | 1.20760 |
| 7200  | 4.6884 | .6915 | 1.2227 | 35.3669 | 6.7773  | 1.21469 |
| 7300  | 4.6995 | .6829 | 1.2301 | 35.5412 | 6.8576  | 1.22216 |
| 7400  | 4.7108 | .6743 | 1.2378 | 35.7217 | 6.9439  | 1.23001 |
| 7500  | 4.7224 | .6656 | 1.2459 | 35.9076 | 7.0357  | 1.23826 |
| 7600  | 4.7342 | .6568 | 1.2546 | 36.0999 | 7.1342  | 1.24700 |
| 7700  | 4.7462 | .6480 | 1.2637 | 36.2980 | 7.2387  | 1.25618 |
| 7800  | 4.7584 | .6391 | 1.2733 | 36.5037 | 7.3500  | 1.26591 |
| 7900  | 4.7709 | .6301 | 1.2835 | 36.7163 | 7.4683  | 1.27618 |
| 8000  | 4.7836 | .6211 | 1.2942 | 36.9362 | 7.5938  | 1.28703 |
| 8100  | 4.7964 | .6119 | 1.3055 | 37.1636 | 7.7259  | 1.29845 |
| 8200  | 4.8095 | .6026 | 1.3175 | 37.3984 | 7.8652  | 1.31047 |
| 8300  | 4.8228 | .5932 | 1.3300 | 37.6405 | 8.0111  | 1.32308 |
| 8400  | 4.8362 | .5837 | 1.3432 | 37.8904 | 8.1643  | 1.33634 |
| 8500  | 4.8498 | .5742 | 1.3570 | 38.1484 | 8.3247  | 1.35026 |
| 8600  | 4.8635 | .5645 | 1.3714 | 38.4135 | 8.4911  | 1.36477 |
| 8700  | 4.8772 | .5547 | 1.3864 | 38.6846 | 8.6630  | 1.37984 |
| 8800  | 4.8910 | .5449 | 1.4020 | 38.9628 | 8.8413  | 1.39555 |
| 8900  | 4.9049 | .5350 | 1.4183 | 39.2480 | 9.0258  | 1.41188 |
| 9000  | 4.9187 | .5250 | 1.4351 | 39.5387 | 9.2145  | 1.42873 |
| 9100  | 4.9326 | .5150 | 1.4524 | 39.8353 | 9.4082  | 1.44617 |
| 9200  | 4.9463 | .5050 | 1.4702 | 40.1359 | 9.6049  | 1.46402 |
| 9300  | 4.9599 | .4950 | 1.4884 | 40.4397 | 9.8036  | 1.48224 |
| 9400  | 4.9734 | .4849 | 1.5070 | 40.7473 | 10.0054 | 1.50090 |
| 9500  | 4.9867 | .4749 | 1.5259 | 41.0581 | 10.2093 | 1.51993 |
| 9600  | 4.9998 | .4649 | 1.5451 | 41.3696 | 10.4127 | 1.53916 |
| 9700  | 5.0127 | .4551 | 1.5643 | 41.6805 | 10.6148 | 1.55850 |
| 9800  | 5.0253 | .4452 | 1.5838 | 41.9919 | 10.8164 | 1.57801 |
| 9900  | 5.0376 | .4355 | 1.6032 | 42.3010 | 11.0147 | 1.59748 |
| 10000 | 5.0496 | .4260 | 1.6224 | 42.6068 | 11.2087 | 1.61682 |
| 10100 | 5.0612 | .4166 | 1.6416 | 42.9101 | 11.3995 | 1.63611 |
| 10200 | 5.0725 | .4073 | 1.6606 | 43.2081 | 11.5843 | 1.65511 |
| 10300 | 5.0834 | .3982 | 1.6793 | 43.5019 | 11.7642 | 1.67391 |
| 10400 | 5.0939 | .3893 | 1.6976 | 43.7890 | 11.9368 | 1.69230 |
| 10500 | 5.1040 | .3806 | 1.7154 | 44.0684 | 12.1014 | 1.71019 |
| 10600 | 5.1138 | .3721 | 1.7328 | 44.3418 | 12.2592 | 1.72770 |
| 10700 | 5.1231 | .3638 | 1.7496 | 44.6066 | 12.4082 | 1.74462 |
| 10800 | 5.1320 | .3558 | 1.7658 | 44.8627 | 12.5482 | 1.76092 |
| 10900 | 5.1406 | .3480 | 1.7815 | 45.1114 | 12.6806 | 1.77671 |
| 11000 | 5.1487 | .3403 | 1.7965 | 45.3509 | 12.8038 | 1.79182 |
| 11100 | 5.1565 | .3330 | 1.8108 | 45.5813 | 12.9178 | 1.80627 |
| 11200 | 5.1640 | .3258 | 1.8245 | 45.8040 | 13.0243 | 1.82014 |
| 11300 | 5.1710 | .3189 | 1.8375 | 46.0166 | 13.1207 | 1.83323 |
| 11400 | 5.1778 | .3121 | 1.8499 | 46.2219 | 13.2101 | 1.84577 |
| 11500 | 5.1843 | .3055 | 1.8617 | 46.4202 | 13.2926 | 1.85776 |
| 11600 | 5.1905 | .2992 | 1.8728 | 46.6092 | 13.3663 | 1.86903 |
| 11700 | 5.1964 | .2930 | 1.8834 | 46.7919 | 13.4339 | 1.87979 |
| 11800 | 5.2021 | .2870 | 1.8934 | 46.9674 | 13.4948 | 1.88998 |
| 11900 | 5.2075 | .2812 | 1.9029 | 47.1371 | 13.5504 | 1.89971 |

|       |        |       |        |         |         |         |
|-------|--------|-------|--------|---------|---------|---------|
| 12000 | 5.2127 | .2755 | 1.9118 | 47.2997 | 13.5994 | 1.90886 |
| 12100 | 5.2177 | .2700 | 1.9204 | 47.4573 | 13.6439 | 1.91759 |
| 12200 | 5.2226 | .2646 | 1.9284 | 47.6095 | 13.6836 | 1.92589 |
| 12300 | 5.2273 | .2593 | 1.9361 | 47.7575 | 13.7198 | 1.93386 |
| 12400 | 5.2318 | .2542 | 1.9434 | 47.9003 | 13.7514 | 1.94137 |
| 12500 | 5.2362 | .2491 | 1.9504 | 48.0397 | 13.7802 | 1.94862 |
| 12600 | 5.2404 | .2442 | 1.9570 | 48.1753 | 13.8059 | 1.95555 |
| 12700 | 5.2446 | .2393 | 1.9634 | 48.3076 | 13.8290 | 1.96221 |
| 12800 | 5.2487 | .2346 | 1.9694 | 48.4370 | 13.8498 | 1.96861 |
| 12900 | 5.2526 | .2299 | 1.9753 | 48.5642 | 13.8691 | 1.97484 |
| 13000 | 5.2566 | .2253 | 1.9810 | 48.6890 | 13.8868 | 1.98088 |
| 13100 | 5.2604 | .2208 | 1.9865 | 48.8118 | 13.9031 | 1.98675 |
| 13200 | 5.2642 | .2163 | 1.9919 | 48.9330 | 13.9185 | 1.99248 |
| 13300 | 5.2679 | .2119 | 1.9971 | 49.0526 | 13.9330 | 1.99809 |
| 13400 | 5.2716 | .2075 | 2.0022 | 49.1713 | 13.9473 | 2.00362 |
| 13500 | 5.2753 | .2032 | 2.0071 | 49.2887 | 13.9609 | 2.00906 |
| 13600 | 5.2789 | .1990 | 2.0121 | 49.4056 | 13.9747 | 2.01447 |
| 13700 | 5.2825 | .1947 | 2.0169 | 49.5219 | 13.9886 | 2.01983 |
| 13800 | 5.2861 | .1905 | 2.0218 | 49.6377 | 14.0027 | 2.02516 |
| 13900 | 5.2897 | .1864 | 2.0266 | 49.7535 | 14.0172 | 2.03051 |
| 14000 | 5.2933 | .1822 | 2.0313 | 49.8696 | 14.0329 | 2.03583 |
| 14100 | 5.2968 | .1781 | 2.0361 | 49.9845 | 14.0479 | 2.04120 |
| 14200 | 5.3004 | .1740 | 2.0409 | 50.1004 | 14.0645 | 2.04660 |
| 14300 | 5.3040 | .1700 | 2.0457 | 50.2165 | 14.0817 | 2.05204 |
| 14400 | 5.3076 | .1659 | 2.0505 | 50.3330 | 14.1001 | 2.05753 |
| 14500 | 5.3112 | .1619 | 2.0554 | 50.4500 | 14.1195 | 2.06309 |
| 14600 | 5.3148 | .1579 | 2.0603 | 50.5676 | 14.1399 | 2.06871 |
| 14700 | 5.3184 | .1539 | 2.0652 | 50.6860 | 14.1617 | 2.07444 |
| 14800 | 5.3221 | .1499 | 2.0703 | 50.8050 | 14.1847 | 2.08024 |
| 14900 | 5.3258 | .1459 | 2.0754 | 50.9250 | 14.2091 | 2.08616 |
| 15000 | 5.3294 | .1419 | 2.0805 | 51.0459 | 14.2348 | 2.09218 |

LOG P= 2.3

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 200  | 2.6153  | 2.5072  | .8516  | 16.1164 | 2.0617 | 1.00000 |
| 300  | 2.9675  | 2.2437  | 1.0357 | 18.2387 | 3.0928 | 1.00000 |
| 1500 | 3.7617  | 1.5396  | 1.0482 | 24.7012 | 3.8509 | .99994  |
| 1600 | 3.7932  | 1.5126  | 1.0456 | 24.9817 | 3.8822 | .99993  |
| 1700 | 3.8230  | 1.4873  | 1.0433 | 25.2486 | 3.9131 | .99992  |
| 1800 | 3.8511  | 1.4633  | 1.0412 | 25.5036 | 3.9431 | .99990  |
| 1900 | 3.8780  | 1.4407  | 1.0393 | 25.7482 | 3.9737 | .99989  |
| 2000 | 3.9036  | 1.4191  | 1.0375 | 25.9832 | 4.0044 | .99989  |
| 2100 | 3.9280  | 1.3986  | 1.0358 | 26.2098 | 4.0346 | .99989  |
| 2200 | 3.9516  | 1.3791  | 1.0343 | 26.4287 | 4.0657 | .99990  |
| 2300 | 3.9741  | 1.3604  | 1.0329 | 26.6408 | 4.0960 | .99992  |
| 2400 | 3.9958  | 1.3424  | 1.0317 | 26.8467 | 4.1267 | .99997  |
| 2500 | 4.0169  | 1.3252  | 1.0305 | 27.0471 | 4.1584 | 1.00006 |
| 2600 | 4.0372  | 1.3086  | 1.0295 | 27.2425 | 4.1901 | 1.00018 |
| 2700 | 4.0569  | 1.2925  | 1.0286 | 27.4335 | 4.2218 | 1.00036 |
| 2800 | 4.0761  | 1.2770  | 1.0279 | 27.6208 | 4.2554 | 1.00063 |
| 2900 | 4.0948  | 1.2620  | 1.0273 | 27.8049 | 4.2896 | 1.00100 |
| 3000 | 4.1134  | 1.2475  | 1.0270 | 27.9892 | 4.3277 | 1.00150 |
| 3100 | 4.1314  | 1.2333  | 1.0268 | 28.1687 | 4.3651 | 1.00215 |
| 3200 | 4.1490  | 1.2195  | 1.0269 | 28.3468 | 4.4036 | 1.00298 |
| 3300 | 4.1663  | 1.2060  | 1.0272 | 28.5238 | 4.4444 | 1.00402 |
| 3400 | 4.1835  | 1.1928  | 1.0278 | 28.7002 | 4.4879 | 1.00531 |
| 3500 | 4.2005  | 1.1798  | 1.0287 | 28.8763 | 4.5329 | 1.00686 |
| 3600 | 4.2173  | 1.1671  | 1.0299 | 29.0529 | 4.5814 | 1.00872 |
| 3700 | 4.2339  | 1.1545  | 1.0315 | 29.2298 | 4.6317 | 1.01091 |
| 3800 | 4.2506  | 1.1421  | 1.0335 | 29.4077 | 4.6859 | 1.01344 |
| 3900 | 4.2671  | 1.1298  | 1.0358 | 29.5867 | 4.7423 | 1.01635 |
| 4000 | 4.2834  | 1.1176  | 1.0386 | 29.7665 | 4.8009 | 1.01964 |
| 4100 | 4.2997  | 1.1056  | 1.0418 | 29.9474 | 4.8626 | 1.02333 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 4200  | 4.3158 | 1.0936 | 1.0455 | 30.1291 | 4.9263  | 1.02741 |
| 4300  | 4.3318 | 1.0817 | 1.0495 | 30.3116 | 4.9925  | 1.03186 |
| 4400  | 4.3476 | 1.0699 | 1.0539 | 30.4943 | 5.0594  | 1.03670 |
| 4500  | 4.3632 | 1.0582 | 1.0587 | 30.6775 | 5.1285  | 1.04189 |
| 4600  | 4.3785 | 1.0465 | 1.0638 | 30.8600 | 5.1972  | 1.04739 |
| 4700  | 4.3936 | 1.0350 | 1.0692 | 31.0417 | 5.2664  | 1.05318 |
| 4800  | 4.4084 | 1.0235 | 1.0749 | 31.2223 | 5.3354  | 1.05921 |
| 4900  | 4.4229 | 1.0122 | 1.0808 | 31.4013 | 5.4039  | 1.06543 |
| 5000  | 4.4378 | 1.0011 | 1.0866 | 31.5880 | 5.4804  | 1.07161 |
| 5100  | 4.4515 | .9901  | 1.0928 | 31.7623 | 5.5453  | 1.07804 |
| 5200  | 4.4648 | .9792  | 1.0989 | 31.9334 | 5.6082  | 1.08452 |
| 5300  | 4.4778 | .9685  | 1.1051 | 32.1010 | 5.6688  | 1.09099 |
| 5400  | 4.4903 | .9579  | 1.1113 | 32.2657 | 5.7269  | 1.09743 |
| 5500  | 4.5025 | .9476  | 1.1173 | 32.4266 | 5.7826  | 1.10377 |
| 5600  | 4.5143 | .9374  | 1.1234 | 32.5847 | 5.8359  | 1.11006 |
| 5700  | 4.5258 | .9275  | 1.1293 | 32.7399 | 5.8871  | 1.11622 |
| 5800  | 4.5369 | .9177  | 1.1351 | 32.8916 | 5.9361  | 1.12226 |
| 5900  | 4.5478 | .9081  | 1.1408 | 33.0410 | 5.9837  | 1.12819 |
| 6000  | 4.5585 | .8987  | 1.1463 | 33.1885 | 6.0300  | 1.13401 |
| 6100  | 4.5689 | .8894  | 1.1518 | 33.3343 | 6.0755  | 1.13973 |
| 6200  | 4.5792 | .8803  | 1.1573 | 33.4782 | 6.1206  | 1.14538 |
| 6300  | 4.5894 | .8713  | 1.1627 | 33.6218 | 6.1661  | 1.15101 |
| 6400  | 4.5994 | .8625  | 1.1681 | 33.7657 | 6.2120  | 1.15660 |
| 6500  | 4.6094 | .8537  | 1.1735 | 33.9096 | 6.2593  | 1.16221 |
| 6600  | 4.6195 | .8451  | 1.1790 | 34.0543 | 6.3084  | 1.16789 |
| 6700  | 4.6295 | .8365  | 1.1846 | 34.2004 | 6.3593  | 1.17363 |
| 6800  | 4.6396 | .8280  | 1.1903 | 34.3492 | 6.4131  | 1.17949 |
| 6900  | 4.6497 | .8195  | 1.1961 | 34.4996 | 6.4697  | 1.18552 |
| 7000  | 4.6600 | .8111  | 1.2022 | 34.6539 | 6.5301  | 1.19175 |
| 7100  | 4.6704 | .8027  | 1.2085 | 34.8105 | 6.5943  | 1.19820 |
| 7200  | 4.6810 | .7942  | 1.2150 | 34.9716 | 6.6626  | 1.20490 |
| 7300  | 4.6917 | .7858  | 1.2219 | 35.1368 | 6.7355  | 1.21192 |
| 7400  | 4.7026 | .7773  | 1.2291 | 35.3074 | 6.8136  | 1.21926 |
| 7500  | 4.7137 | .7689  | 1.2366 | 35.4826 | 6.8966  | 1.22695 |
| 7600  | 4.7250 | .7603  | 1.2446 | 35.6634 | 6.9853  | 1.23506 |
| 7700  | 4.7365 | .7517  | 1.2530 | 35.8491 | 7.0795  | 1.24357 |
| 7800  | 4.7482 | .7431  | 1.2618 | 36.0416 | 7.1798  | 1.25254 |
| 7900  | 4.7601 | .7343  | 1.2711 | 36.2402 | 7.2863  | 1.26200 |
| 8000  | 4.7723 | .7255  | 1.2810 | 36.4453 | 7.3993  | 1.27198 |
| 8100  | 4.7846 | .7166  | 1.2914 | 36.6572 | 7.5185  | 1.28247 |
| 8200  | 4.7972 | .7076  | 1.3023 | 36.8757 | 7.6442  | 1.29349 |
| 8300  | 4.8098 | .6986  | 1.3137 | 37.1010 | 7.7760  | 1.30506 |
| 8400  | 4.8227 | .6894  | 1.3258 | 37.3335 | 7.9147  | 1.31723 |
| 8500  | 4.8358 | .6801  | 1.3385 | 37.5736 | 8.0602  | 1.33001 |
| 8600  | 4.8489 | .6708  | 1.3517 | 37.8204 | 8.2115  | 1.34334 |
| 8700  | 4.8622 | .6614  | 1.3655 | 38.0729 | 8.3681  | 1.35721 |
| 8800  | 4.8755 | .6518  | 1.3798 | 38.3323 | 8.5312  | 1.37169 |
| 8900  | 4.8889 | .6422  | 1.3948 | 38.5987 | 8.7003  | 1.38677 |
| 9000  | 4.9024 | .6326  | 1.4104 | 38.8708 | 8.8741  | 1.40238 |
| 9100  | 4.9159 | .6229  | 1.4265 | 39.1489 | 9.0533  | 1.41858 |
| 9200  | 4.9293 | .6131  | 1.4430 | 39.4316 | 9.2360  | 1.43522 |
| 9300  | 4.9426 | .6033  | 1.4600 | 39.7182 | 9.4217  | 1.45227 |
| 9400  | 4.9559 | .5935  | 1.4774 | 40.0094 | 9.6112  | 1.46981 |
| 9500  | 4.9691 | .5837  | 1.4953 | 40.3048 | 9.8039  | 1.48779 |
| 9600  | 4.9822 | .5739  | 1.5135 | 40.6023 | 9.9975  | 1.50606 |
| 9700  | 4.9950 | .5642  | 1.5319 | 40.9004 | 10.1912 | 1.52454 |
| 9800  | 5.0077 | .5544  | 1.5506 | 41.2006 | 10.3859 | 1.54330 |
| 9900  | 5.0201 | .5448  | 1.5693 | 41.5001 | 10.5790 | 1.56214 |
| 10000 | 5.0322 | .5353  | 1.5881 | 41.7981 | 10.7695 | 1.58098 |
| 10100 | 5.0441 | .5258  | 1.6069 | 42.0954 | 10.9586 | 1.59991 |
| 10200 | 5.0556 | .5165  | 1.6256 | 42.3892 | 11.1435 | 1.61869 |
| 10300 | 5.0669 | .5074  | 1.6442 | 42.6806 | 11.3253 | 1.63742 |
| 10400 | 5.0778 | .4983  | 1.6626 | 42.9671 | 11.5015 | 1.65588 |
| 10500 | 5.0883 | .4895  | 1.6806 | 43.2476 | 11.6714 | 1.67399 |
| 10600 | 5.0985 | .4808  | 1.6984 | 43.5239 | 11.8362 | 1.69186 |
| 10700 | 5.1083 | .4723  | 1.7157 | 43.7931 | 11.9936 | 1.70927 |

|       |        |       |        |         |         |         |
|-------|--------|-------|--------|---------|---------|---------|
| 10800 | 5.1178 | .4641 | 1.7324 | 44.0551 | 12.1432 | 1.72617 |
| 10900 | 5.1269 | .4560 | 1.7488 | 44.3108 | 12.2864 | 1.74268 |
| 11000 | 5.1356 | .4481 | 1.7646 | 44.5584 | 12.4212 | 1.75860 |
| 11100 | 5.1439 | .4405 | 1.7798 | 44.7978 | 12.5476 | 1.77393 |
| 11200 | 5.1519 | .4330 | 1.7945 | 45.0301 | 12.6670 | 1.78876 |
| 11300 | 5.1595 | .4258 | 1.8085 | 45.2528 | 12.7766 | 1.80285 |
| 11400 | 5.1668 | .4187 | 1.8219 | 45.4685 | 12.8794 | 1.81641 |
| 11500 | 5.1738 | .4119 | 1.8348 | 45.6775 | 12.9754 | 1.82948 |
| 11600 | 5.1805 | .4052 | 1.8469 | 45.8771 | 13.0623 | 1.84180 |
| 11700 | 5.1869 | .3988 | 1.8585 | 46.0703 | 13.1430 | 1.85361 |
| 11800 | 5.1930 | .3925 | 1.8696 | 46.2560 | 13.2165 | 1.86484 |
| 11900 | 5.1989 | .3864 | 1.8801 | 46.4356 | 13.2844 | 1.87559 |
| 12000 | 5.2045 | .3805 | 1.8900 | 46.6074 | 13.3448 | 1.88571 |
| 12100 | 5.2099 | .3747 | 1.8995 | 46.7740 | 13.4004 | 1.89539 |
| 12200 | 5.2151 | .3691 | 1.9085 | 46.9347 | 13.4506 | 1.90460 |
| 12300 | 5.2201 | .3636 | 1.9170 | 47.0907 | 13.4966 | 1.91343 |
| 12400 | 5.2250 | .3583 | 1.9251 | 47.2407 | 13.5372 | 1.92175 |
| 12500 | 5.2296 | .3530 | 1.9328 | 47.3869 | 13.5745 | 1.92976 |
| 12600 | 5.2342 | .3479 | 1.9402 | 47.5286 | 13.6079 | 1.93741 |
| 12700 | 5.2386 | .3429 | 1.9472 | 47.6664 | 13.6380 | 1.94472 |
| 12800 | 5.2428 | .3380 | 1.9539 | 47.8006 | 13.6651 | 1.95172 |
| 12900 | 5.2470 | .3332 | 1.9603 | 47.9321 | 13.6902 | 1.95851 |
| 13000 | 5.2511 | .3285 | 1.9665 | 48.0607 | 13.7130 | 1.96505 |
| 13100 | 5.2551 | .3239 | 1.9724 | 48.1866 | 13.7338 | 1.97137 |
| 13200 | 5.2590 | .3193 | 1.9782 | 48.3103 | 13.7530 | 1.97750 |
| 13300 | 5.2628 | .3148 | 1.9837 | 48.4319 | 13.7707 | 1.98345 |
| 13400 | 5.2666 | .3104 | 1.9891 | 48.5521 | 13.7877 | 1.98929 |
| 13500 | 5.2703 | .3060 | 1.9944 | 48.6704 | 13.8035 | 1.99498 |
| 13600 | 5.2740 | .3017 | 1.9995 | 48.7879 | 13.8189 | 2.00060 |
| 13700 | 5.2777 | .2974 | 2.0046 | 48.9041 | 13.8339 | 2.00613 |
| 13800 | 5.2813 | .2932 | 2.0095 | 49.0195 | 13.8487 | 2.01158 |
| 13900 | 5.2849 | .2890 | 2.0144 | 49.1345 | 13.8635 | 2.01702 |
| 14000 | 5.2885 | .2848 | 2.0192 | 49.2492 | 13.8789 | 2.02239 |
| 14100 | 5.2920 | .2807 | 2.0240 | 49.3626 | 13.8934 | 2.02776 |
| 14200 | 5.2956 | .2766 | 2.0288 | 49.4764 | 13.9090 | 2.03314 |
| 14300 | 5.2991 | .2726 | 2.0335 | 49.5900 | 13.9249 | 2.03851 |
| 14400 | 5.3027 | .2685 | 2.0382 | 49.7038 | 13.9416 | 2.04391 |
| 14500 | 5.3062 | .2645 | 2.0430 | 49.8176 | 13.9589 | 2.04933 |
| 14600 | 5.3098 | .2605 | 2.0477 | 49.9317 | 13.9769 | 2.05479 |
| 14700 | 5.3133 | .2565 | 2.0525 | 50.0463 | 13.9961 | 2.06033 |
| 14800 | 5.3169 | .2526 | 2.0573 | 50.1613 | 14.0162 | 2.06592 |
| 14900 | 5.3205 | .2486 | 2.0622 | 50.2769 | 14.0373 | 2.07159 |
| 15000 | 5.3241 | .2447 | 2.0671 | 50.3932 | 14.0596 | 2.07733 |

LOG P= 2.4

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 200  | 2.5913  | 2.5694  | .9306  | 15.7970 | 1.9509 | 1.00000 |
| 300  | 2.9599  | 2.3282  | 1.0730 | 17.9427 | 3.0393 | 1.00000 |
|      |         |         |        |         |        |         |
| 1500 | 3.7628  | 1.6348  | 1.0600 | 24.4687 | 3.8610 | .99993  |
| 1600 | 3.7943  | 1.6080  | 1.0569 | 24.7496 | 3.8921 | .99992  |
| 1700 | 3.8240  | 1.5829  | 1.0540 | 25.0168 | 3.9227 | .99990  |
| 1800 | 3.8522  | 1.5591  | 1.0514 | 25.2721 | 3.9525 | .99989  |
| 1900 | 3.8789  | 1.5366  | 1.0490 | 25.5169 | 3.9828 | .99988  |
| 2000 | 3.9045  | 1.5153  | 1.0468 | 25.7521 | 4.0132 | .99987  |
| 2100 | 3.9289  | 1.4949  | 1.0447 | 25.9788 | 4.0430 | .99987  |
| 2200 | 3.9524  | 1.4755  | 1.0428 | 26.1979 | 4.0740 | .99988  |
| 2300 | 3.9749  | 1.4569  | 1.0411 | 26.4100 | 4.1039 | .99989  |
| 2400 | 3.9966  | 1.4391  | 1.0395 | 26.6158 | 4.1342 | .99993  |
| 2500 | 4.0176  | 1.4220  | 1.0381 | 26.8160 | 4.1655 | 1.00001 |
| 2600 | 4.0379  | 1.4055  | 1.0368 | 27.0111 | 4.1966 | 1.00012 |
| 2700 | 4.0575  | 1.3896  | 1.0356 | 27.2017 | 4.2277 | 1.00028 |
| 2800 | 4.0766  | 1.3742  | 1.0346 | 27.3884 | 4.2605 | 1.00052 |
| 2900 | 4.0952  | 1.3593  | 1.0338 | 27.5717 | 4.2937 | 1.00084 |

|      |        |        |        |         |        |         |
|------|--------|--------|--------|---------|--------|---------|
| 3000 | 4.1137 | 1.3449 | 1.0331 | 27.7549 | 4.3305 | 1.00129 |
| 3100 | 4.1315 | 1.3308 | 1.0327 | 27.9331 | 4.3665 | 1.00186 |
| 3200 | 4.1489 | 1.3171 | 1.0325 | 28.1094 | 4.4033 | 1.00260 |
| 3300 | 4.1661 | 1.3038 | 1.0325 | 28.2844 | 4.4421 | 1.00353 |
| 3400 | 4.1831 | 1.2907 | 1.0328 | 28.4584 | 4.4833 | 1.00468 |
| 3500 | 4.1998 | 1.2778 | 1.0333 | 28.6317 | 4.5257 | 1.00606 |
| 3600 | 4.2163 | 1.2652 | 1.0342 | 28.8051 | 4.5711 | 1.00773 |
| 3700 | 4.2327 | 1.2528 | 1.0355 | 28.9783 | 4.6181 | 1.00969 |
| 3800 | 4.2490 | 1.2406 | 1.0370 | 29.1522 | 4.6687 | 1.01196 |
| 3900 | 4.2651 | 1.2285 | 1.0390 | 29.3266 | 4.7211 | 1.01457 |
| 4000 | 4.2811 | 1.2165 | 1.0413 | 29.5016 | 4.7754 | 1.01753 |
| 4100 | 4.2970 | 1.2046 | 1.0441 | 29.6774 | 4.8327 | 1.02086 |
| 4200 | 4.3127 | 1.1929 | 1.0472 | 29.8537 | 4.8918 | 1.02455 |
| 4300 | 4.3284 | 1.1812 | 1.0507 | 30.0307 | 4.9533 | 1.02860 |
| 4400 | 4.3438 | 1.1696 | 1.0545 | 30.2076 | 5.0155 | 1.03300 |
| 4500 | 4.3591 | 1.1581 | 1.0588 | 30.3852 | 5.0800 | 1.03775 |
| 4600 | 4.3741 | 1.1467 | 1.0634 | 30.5621 | 5.1442 | 1.04280 |
| 4700 | 4.3889 | 1.1354 | 1.0682 | 30.7385 | 5.2092 | 1.04815 |
| 4800 | 4.4034 | 1.1242 | 1.0734 | 30.9139 | 5.2743 | 1.05374 |
| 4900 | 4.4177 | 1.1130 | 1.0788 | 31.0881 | 5.3393 | 1.05955 |
| 5000 | 4.4324 | 1.1021 | 1.0842 | 31.2708 | 5.4131 | 1.06536 |
| 5100 | 4.4460 | 1.0912 | 1.0899 | 31.4412 | 5.4755 | 1.07144 |
| 5200 | 4.4592 | 1.0805 | 1.0957 | 31.6089 | 5.5362 | 1.07760 |
| 5300 | 4.4721 | 1.0699 | 1.1015 | 31.7736 | 5.5953 | 1.08381 |
| 5400 | 4.4846 | 1.0595 | 1.1074 | 31.9358 | 5.6523 | 1.09002 |
| 5500 | 4.4968 | 1.0492 | 1.1132 | 32.0946 | 5.7073 | 1.09618 |
| 5600 | 4.5086 | 1.0391 | 1.1190 | 32.2509 | 5.7603 | 1.10233 |
| 5700 | 4.5202 | 1.0292 | 1.1248 | 32.4046 | 5.8112 | 1.10839 |
| 5800 | 4.5313 | 1.0195 | 1.1304 | 32.5548 | 5.8603 | 1.11435 |
| 5900 | 4.5423 | 1.0099 | 1.1360 | 32.7030 | 5.9078 | 1.12022 |
| 6000 | 4.5530 | 1.0005 | 1.1415 | 32.8490 | 5.9540 | 1.12601 |
| 6100 | 4.5634 | .9913  | 1.1469 | 32.9934 | 5.9992 | 1.13170 |
| 6200 | 4.5737 | .9822  | 1.1523 | 33.1355 | 6.0438 | 1.13732 |
| 6300 | 4.5839 | .9733  | 1.1576 | 33.2770 | 6.0884 | 1.14291 |
| 6400 | 4.5939 | .9644  | 1.1629 | 33.4185 | 6.1332 | 1.14846 |
| 6500 | 4.6038 | .9557  | 1.1682 | 33.5595 | 6.1788 | 1.15400 |
| 6600 | 4.6137 | .9471  | 1.1735 | 33.7008 | 6.2257 | 1.15958 |
| 6700 | 4.6236 | .9386  | 1.1789 | 33.8430 | 6.2740 | 1.16521 |
| 6800 | 4.6335 | .9301  | 1.1844 | 33.9872 | 6.3245 | 1.17091 |
| 6900 | 4.6435 | .9217  | 1.1900 | 34.1325 | 6.3773 | 1.17674 |
| 7000 | 4.6535 | .9134  | 1.1958 | 34.2809 | 6.4333 | 1.18273 |
| 7100 | 4.6637 | .9051  | 1.2018 | 34.4310 | 6.4922 | 1.18890 |
| 7200 | 4.6739 | .8968  | 1.2079 | 34.5849 | 6.5548 | 1.19527 |
| 7300 | 4.6843 | .8885  | 1.2144 | 34.7422 | 6.6213 | 1.20191 |
| 7400 | 4.6948 | .8802  | 1.2211 | 34.9040 | 6.6922 | 1.20881 |
| 7500 | 4.7055 | .8718  | 1.2281 | 35.0698 | 6.7674 | 1.21601 |
| 7600 | 4.7164 | .8635  | 1.2355 | 35.2403 | 6.8477 | 1.22357 |
| 7700 | 4.7274 | .8551  | 1.2433 | 35.4151 | 6.9328 | 1.23148 |
| 7800 | 4.7386 | .8467  | 1.2514 | 35.5957 | 7.0232 | 1.23980 |
| 7900 | 4.7501 | .8381  | 1.2600 | 35.7818 | 7.1192 | 1.24854 |
| 8000 | 4.7617 | .8296  | 1.2691 | 35.9736 | 7.2211 | 1.25774 |
| 8100 | 4.7735 | .8209  | 1.2786 | 36.1714 | 7.3285 | 1.26740 |
| 8200 | 4.7855 | .8122  | 1.2886 | 36.3752 | 7.4419 | 1.27753 |
| 8300 | 4.7977 | .8034  | 1.2990 | 36.5852 | 7.5609 | 1.28815 |
| 8400 | 4.8100 | .7946  | 1.3101 | 36.8017 | 7.6862 | 1.29933 |
| 8500 | 4.8225 | .7856  | 1.3217 | 37.0250 | 7.8178 | 1.31105 |
| 8600 | 4.8351 | .7766  | 1.3338 | 37.2549 | 7.9550 | 1.32329 |
| 8700 | 4.8479 | .7675  | 1.3464 | 37.4900 | 8.0974 | 1.33604 |
| 8800 | 4.8607 | .7583  | 1.3596 | 37.7317 | 8.2459 | 1.34937 |
| 8900 | 4.8737 | .7490  | 1.3734 | 37.9801 | 8.4004 | 1.36326 |
| 9000 | 4.8867 | .7396  | 1.3877 | 38.2343 | 8.5596 | 1.37767 |
| 9100 | 4.8998 | .7302  | 1.4025 | 38.4944 | 8.7244 | 1.39266 |
| 9200 | 4.9128 | .7207  | 1.4179 | 38.7594 | 8.8931 | 1.40811 |
| 9300 | 4.9259 | .7112  | 1.4336 | 39.0288 | 9.0652 | 1.42398 |
| 9400 | 4.9389 | .7017  | 1.4499 | 39.3031 | 9.2418 | 1.44037 |
| 9500 | 4.9519 | .6921  | 1.4667 | 39.5822 | 9.4221 | 1.45722 |

|       |        |       |        |         |         |         |
|-------|--------|-------|--------|---------|---------|---------|
| 9600  | 4.9648 | .6825 | 1.4838 | 39.8643 | 9.6045  | 1.47443 |
| 9700  | 4.9775 | .6730 | 1.5011 | 40.1480 | 9.7879  | 1.49191 |
| 9800  | 4.9901 | .6634 | 1.5189 | 40.4349 | 9.9735  | 1.50976 |
| 9900  | 5.0025 | .6539 | 1.5368 | 40.7225 | 10.1589 | 1.52778 |
| 10000 | 5.0147 | .6445 | 1.5548 | 41.0099 | 10.3432 | 1.54591 |
| 10100 | 5.0267 | .6351 | 1.5731 | 41.2983 | 10.5277 | 1.56424 |
| 10200 | 5.0384 | .6258 | 1.5913 | 41.5848 | 10.7095 | 1.58256 |
| 10300 | 5.0499 | .6166 | 1.6096 | 41.8705 | 10.8899 | 1.60096 |
| 10400 | 5.0610 | .6075 | 1.6277 | 42.1531 | 11.0665 | 1.61922 |
| 10500 | 5.0719 | .5986 | 1.6456 | 42.4314 | 11.2384 | 1.63726 |
| 10600 | 5.0825 | .5898 | 1.6635 | 42.7072 | 11.4067 | 1.65521 |
| 10700 | 5.0927 | .5812 | 1.6810 | 42.9775 | 11.5692 | 1.67284 |
| 10800 | 5.1026 | .5728 | 1.6981 | 43.2422 | 11.7253 | 1.69008 |
| 10900 | 5.1121 | .5645 | 1.7149 | 43.5019 | 11.8763 | 1.70704 |
| 11000 | 5.1213 | .5564 | 1.7313 | 43.7548 | 12.0201 | 1.72355 |
| 11100 | 5.1301 | .5485 | 1.7471 | 44.0006 | 12.1564 | 1.73954 |
| 11200 | 5.1387 | .5408 | 1.7626 | 44.2403 | 12.2867 | 1.75513 |
| 11300 | 5.1468 | .5333 | 1.7773 | 44.4711 | 12.4077 | 1.77003 |
| 11400 | 5.1546 | .5260 | 1.7916 | 44.6955 | 12.5224 | 1.78449 |
| 11500 | 5.1621 | .5189 | 1.8054 | 44.9139 | 12.6308 | 1.79850 |
| 11600 | 5.1693 | .5120 | 1.8186 | 45.1230 | 12.7303 | 1.81179 |
| 11700 | 5.1762 | .5052 | 1.8312 | 45.3261 | 12.8236 | 1.82460 |
| 11800 | 5.1828 | .4987 | 1.8432 | 45.5217 | 12.9097 | 1.83685 |
| 11900 | 5.1892 | .4923 | 1.8548 | 45.7113 | 12.9902 | 1.84863 |
| 12000 | 5.1952 | .4861 | 1.8657 | 45.8928 | 13.0627 | 1.85974 |
| 12100 | 5.2011 | .4801 | 1.8761 | 46.0689 | 13.1301 | 1.87042 |
| 12200 | 5.2067 | .4742 | 1.8861 | 46.2387 | 13.1915 | 1.88060 |
| 12300 | 5.2121 | .4685 | 1.8956 | 46.4035 | 13.2484 | 1.89037 |
| 12400 | 5.2173 | .4629 | 1.9045 | 46.5617 | 13.2992 | 1.89958 |
| 12500 | 5.2223 | .4575 | 1.9131 | 46.7157 | 13.3461 | 1.90845 |
| 12600 | 5.2271 | .4522 | 1.9213 | 46.8646 | 13.3885 | 1.91690 |
| 12700 | 5.2318 | .4470 | 1.9290 | 47.0090 | 13.4270 | 1.92498 |
| 12800 | 5.2363 | .4419 | 1.9364 | 47.1493 | 13.4618 | 1.93269 |
| 12900 | 5.2407 | .4370 | 1.9436 | 47.2864 | 13.4940 | 1.94016 |
| 13000 | 5.2450 | .4321 | 1.9504 | 47.4200 | 13.5232 | 1.94731 |
| 13100 | 5.2492 | .4273 | 1.9569 | 47.5503 | 13.5498 | 1.95420 |
| 13200 | 5.2533 | .4226 | 1.9631 | 47.6778 | 13.5741 | 1.96084 |
| 13300 | 5.2573 | .4180 | 1.9691 | 47.8027 | 13.5965 | 1.96727 |
| 13400 | 5.2612 | .4135 | 1.9750 | 47.9257 | 13.6176 | 1.97353 |
| 13500 | 5.2651 | .4090 | 1.9806 | 48.0462 | 13.6368 | 1.97958 |
| 13600 | 5.2688 | .4046 | 1.9860 | 48.1654 | 13.6552 | 1.98552 |
| 13700 | 5.2726 | .4003 | 1.9913 | 48.2829 | 13.6727 | 1.99134 |
| 13800 | 5.2763 | .3960 | 1.9965 | 48.3990 | 13.6893 | 1.99702 |
| 13900 | 5.2799 | .3918 | 2.0016 | 48.5144 | 13.7058 | 2.00266 |
| 14000 | 5.2836 | .3876 | 2.0066 | 48.6290 | 13.7220 | 2.00819 |
| 14100 | 5.2871 | .3834 | 2.0115 | 48.7419 | 13.7372 | 2.01368 |
| 14200 | 5.2907 | .3793 | 2.0163 | 48.8548 | 13.7530 | 2.01914 |
| 14300 | 5.2942 | .3752 | 2.0211 | 48.9671 | 13.7688 | 2.02455 |
| 14400 | 5.2978 | .3712 | 2.0259 | 49.0792 | 13.7849 | 2.02995 |
| 14500 | 5.3013 | .3672 | 2.0306 | 49.1910 | 13.8012 | 2.03535 |
| 14600 | 5.3048 | .3632 | 2.0353 | 49.3027 | 13.8180 | 2.04075 |
| 14700 | 5.3083 | .3592 | 2.0400 | 49.4147 | 13.8356 | 2.04620 |
| 14800 | 5.3118 | .3553 | 2.0447 | 49.5266 | 13.8537 | 2.05166 |
| 14900 | 5.3154 | .3513 | 2.0494 | 49.6389 | 13.8727 | 2.05718 |
| 15000 | 5.3189 | .3474 | 2.0541 | 49.7516 | 13.8924 | 2.06273 |

LOG P= 2.5

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/R1   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 300  | 2.9543  | 2.4061  | 1.1306 | 17.6491 | 3.0006 | 1.00000 |
| 1500 | 3.7642  | 1.7289  | 1.0745 | 24.2354 | 3.8734 | .99992  |
| 1600 | 3.7957  | 1.7024  | 1.0707 | 24.5169 | 3.9043 | .99990  |
| 1700 | 3.8254  | 1.6775  | 1.0672 | 24.7846 | 3.9346 | .99989  |
| 1800 | 3.8534  | 1.6540  | 1.0639 | 25.0402 | 3.9641 | .99987  |

|      |        |        |        |         |        |         |
|------|--------|--------|--------|---------|--------|---------|
| 1900 | 3.8802 | 1.6317 | 1.0610 | 25.2853 | 3.9941 | .99986  |
| 2000 | 3.9057 | 1.6105 | 1.0583 | 25.5207 | 4.0241 | .99985  |
| 2100 | 3.9301 | 1.5904 | 1.0557 | 25.7476 | 4.0537 | .99984  |
| 2200 | 3.9535 | 1.5711 | 1.0534 | 25.9668 | 4.0842 | .99985  |
| 2300 | 3.9760 | 1.5527 | 1.0512 | 26.1790 | 4.1137 | .99986  |
| 2400 | 3.9976 | 1.5351 | 1.0493 | 26.3847 | 4.1436 | .99989  |
| 2500 | 4.0185 | 1.5181 | 1.0474 | 26.5849 | 4.1743 | .99996  |
| 2600 | 4.0387 | 1.5017 | 1.0458 | 26.7797 | 4.2049 | 1.00005 |
| 2700 | 4.0583 | 1.4860 | 1.0443 | 26.9700 | 4.2354 | 1.00019 |
| 2800 | 4.0773 | 1.4707 | 1.0430 | 27.1562 | 4.2674 | 1.00041 |
| 2900 | 4.0958 | 1.4560 | 1.0418 | 27.3387 | 4.2997 | 1.00069 |
| 3000 | 4.1142 | 1.4416 | 1.0409 | 27.5210 | 4.3354 | 1.00108 |
| 3100 | 4.1319 | 1.4277 | 1.0401 | 27.6980 | 4.3700 | 1.00160 |
| 3200 | 4.1491 | 1.4141 | 1.0396 | 27.8729 | 4.4053 | 1.00225 |
| 3300 | 4.1661 | 1.4009 | 1.0393 | 28.0460 | 4.4422 | 1.00309 |
| 3400 | 4.1829 | 1.3880 | 1.0392 | 28.2178 | 4.4813 | 1.00411 |
| 3500 | 4.1993 | 1.3753 | 1.0395 | 28.3886 | 4.5212 | 1.00534 |
| 3600 | 4.2156 | 1.3628 | 1.0400 | 28.5591 | 4.5639 | 1.00683 |
| 3700 | 4.2317 | 1.3506 | 1.0408 | 28.7291 | 4.6079 | 1.00858 |
| 3800 | 4.2477 | 1.3385 | 1.0420 | 28.8992 | 4.6551 | 1.01062 |
| 3900 | 4.2635 | 1.3266 | 1.0435 | 29.0697 | 4.7038 | 1.01297 |
| 4000 | 4.2791 | 1.3148 | 1.0454 | 29.2402 | 4.7543 | 1.01563 |
| 4100 | 4.2947 | 1.3032 | 1.0476 | 29.4114 | 4.8074 | 1.01862 |
| 4200 | 4.3101 | 1.2916 | 1.0503 | 29.5827 | 4.8622 | 1.02196 |
| 4300 | 4.3254 | 1.2802 | 1.0532 | 29.7545 | 4.9193 | 1.02562 |
| 4400 | 4.3404 | 1.2688 | 1.0566 | 29.9262 | 4.9771 | 1.02962 |
| 4500 | 4.3554 | 1.2575 | 1.0603 | 30.0984 | 5.0370 | 1.03395 |
| 4600 | 4.3701 | 1.2463 | 1.0643 | 30.2699 | 5.0970 | 1.03858 |
| 4700 | 4.3846 | 1.2352 | 1.0687 | 30.4411 | 5.1577 | 1.04349 |
| 4800 | 4.3988 | 1.2242 | 1.0733 | 30.6115 | 5.2189 | 1.04865 |
| 4900 | 4.4129 | 1.2133 | 1.0782 | 30.7808 | 5.2803 | 1.05404 |
| 5000 | 4.4274 | 1.2025 | 1.0831 | 30.9592 | 5.3510 | 1.05948 |
| 5100 | 4.4408 | 1.1918 | 1.0883 | 31.1256 | 5.4106 | 1.06519 |
| 5200 | 4.4539 | 1.1813 | 1.0937 | 31.2895 | 5.4690 | 1.07101 |
| 5300 | 4.4667 | 1.1708 | 1.0991 | 31.4510 | 5.5261 | 1.07692 |
| 5400 | 4.4792 | 1.1605 | 1.1046 | 31.6103 | 5.5815 | 1.08286 |
| 5500 | 4.4913 | 1.1504 | 1.1101 | 31.7667 | 5.6353 | 1.08880 |
| 5600 | 4.5031 | 1.1404 | 1.1157 | 31.9207 | 5.6874 | 1.09476 |
| 5700 | 4.5146 | 1.1306 | 1.1212 | 32.0726 | 5.7378 | 1.10067 |
| 5800 | 4.5258 | 1.1209 | 1.1266 | 32.2211 | 5.7863 | 1.10650 |
| 5900 | 4.5368 | 1.1114 | 1.1321 | 32.3676 | 5.8335 | 1.11229 |
| 6000 | 4.5475 | 1.1021 | 1.1374 | 32.5121 | 5.8794 | 1.11800 |
| 6100 | 4.5580 | 1.0929 | 1.1427 | 32.6549 | 5.9243 | 1.12363 |
| 6200 | 4.5683 | 1.0838 | 1.1479 | 32.7952 | 5.9684 | 1.12919 |
| 6300 | 4.5784 | 1.0749 | 1.1531 | 32.9348 | 6.0122 | 1.13474 |
| 6400 | 4.5884 | 1.0661 | 1.1583 | 33.0741 | 6.0559 | 1.14023 |
| 6500 | 4.5983 | 1.0575 | 1.1635 | 33.2125 | 6.1003 | 1.14570 |
| 6600 | 4.6081 | 1.0489 | 1.1687 | 33.3509 | 6.1453 | 1.15120 |
| 6700 | 4.6179 | 1.0404 | 1.1739 | 33.4896 | 6.1914 | 1.15672 |
| 6800 | 4.6276 | 1.0320 | 1.1792 | 33.6299 | 6.2392 | 1.16229 |
| 6900 | 4.6374 | 1.0237 | 1.1846 | 33.7707 | 6.2889 | 1.16795 |
| 7000 | 4.6473 | 1.0155 | 1.1902 | 33.9140 | 6.3410 | 1.17374 |
| 7100 | 4.6571 | 1.0072 | 1.1958 | 34.0585 | 6.3956 | 1.17967 |
| 7200 | 4.6671 | .9990  | 1.2017 | 34.2060 | 6.4533 | 1.18575 |
| 7300 | 4.6772 | .9908  | 1.2078 | 34.3563 | 6.5143 | 1.19206 |
| 7400 | 4.6874 | .9827  | 1.2141 | 34.5105 | 6.5790 | 1.19860 |
| 7500 | 4.6977 | .9745  | 1.2206 | 34.6678 | 6.6474 | 1.20537 |
| 7600 | 4.7082 | .9663  | 1.2275 | 34.8292 | 6.7202 | 1.21246 |
| 7700 | 4.7188 | .9581  | 1.2346 | 34.9942 | 6.7972 | 1.21984 |
| 7800 | 4.7296 | .9499  | 1.2422 | 35.1644 | 6.8789 | 1.22758 |
| 7900 | 4.7406 | .9416  | 1.2501 | 35.3393 | 6.9656 | 1.23569 |
| 8000 | 4.7517 | .9332  | 1.2584 | 35.5191 | 7.0576 | 1.24420 |
| 8100 | 4.7631 | .9249  | 1.2671 | 35.7042 | 7.1544 | 1.25311 |
| 8200 | 4.7746 | .9164  | 1.2763 | 35.8947 | 7.2566 | 1.26244 |
| 8300 | 4.7862 | .9079  | 1.2859 | 36.0907 | 7.3640 | 1.27222 |
| 8400 | 4.7980 | .8993  | 1.2960 | 36.2926 | 7.4772 | 1.28249 |

|       |        |       |        |         |         |         |
|-------|--------|-------|--------|---------|---------|---------|
| 8500  | 4.8100 | .8906 | 1.3066 | 36.5008 | 7.5962  | 1.29326 |
| 8600  | 4.8221 | .8819 | 1.3177 | 36.7150 | 7.7203  | 1.30450 |
| 8700  | 4.8344 | .8730 | 1.3292 | 36.9340 | 7.8493  | 1.31621 |
| 8800  | 4.8467 | .8641 | 1.3413 | 37.1591 | 7.9842  | 1.32846 |
| 8900  | 4.8592 | .8552 | 1.3539 | 37.3906 | 8.1248  | 1.34124 |
| 9000  | 4.8718 | .8461 | 1.3671 | 37.6276 | 8.2701  | 1.35451 |
| 9100  | 4.8844 | .8370 | 1.3807 | 37.8704 | 8.4208  | 1.36833 |
| 9200  | 4.8971 | .8278 | 1.3949 | 38.1182 | 8.5757  | 1.38261 |
| 9300  | 4.9097 | .8186 | 1.4094 | 38.3705 | 8.7343  | 1.39732 |
| 9400  | 4.9224 | .8094 | 1.4245 | 38.6278 | 8.8975  | 1.41255 |
| 9500  | 4.9351 | .8000 | 1.4401 | 38.8903 | 9.0649  | 1.42825 |
| 9600  | 4.9477 | .7907 | 1.4561 | 39.1565 | 9.2352  | 1.44435 |
| 9700  | 4.9602 | .7814 | 1.4724 | 39.4249 | 9.4073  | 1.46077 |
| 9800  | 4.9727 | .7720 | 1.4891 | 39.6974 | 9.5824  | 1.47762 |
| 9900  | 4.9850 | .7627 | 1.5060 | 39.9715 | 9.7583  | 1.49470 |
| 10000 | 4.9971 | .7534 | 1.5232 | 40.2468 | 9.9344  | 1.51197 |
| 10100 | 5.0092 | .7441 | 1.5406 | 40.5241 | 10.1118 | 1.52954 |
| 10200 | 5.0209 | .7349 | 1.5582 | 40.8008 | 10.2880 | 1.54720 |
| 10300 | 5.0325 | .7258 | 1.5759 | 41.0782 | 10.4642 | 1.56503 |
| 10400 | 5.0439 | .7168 | 1.5936 | 41.3539 | 10.6380 | 1.58285 |
| 10500 | 5.0550 | .7078 | 1.6112 | 41.6269 | 10.8086 | 1.60059 |
| 10600 | 5.0658 | .6990 | 1.6288 | 41.8990 | 10.9772 | 1.61834 |
| 10700 | 5.0763 | .6903 | 1.6462 | 42.1670 | 11.1416 | 1.63590 |
| 10800 | 5.0865 | .6817 | 1.6634 | 42.4310 | 11.3010 | 1.65321 |
| 10900 | 5.0965 | .6733 | 1.6804 | 42.6916 | 11.4567 | 1.67036 |
| 11000 | 5.1061 | .6651 | 1.6970 | 42.9468 | 11.6066 | 1.68718 |
| 11100 | 5.1154 | .6570 | 1.7133 | 43.1961 | 11.7502 | 1.70359 |
| 11200 | 5.1244 | .6491 | 1.7293 | 43.4406 | 11.8889 | 1.71972 |
| 11300 | 5.1330 | .6414 | 1.7446 | 43.6772 | 12.0193 | 1.73524 |
| 11400 | 5.1413 | .6338 | 1.7596 | 43.9084 | 12.1441 | 1.75042 |
| 11500 | 5.1493 | .6264 | 1.7742 | 44.1343 | 12.2635 | 1.76521 |
| 11600 | 5.1570 | .6193 | 1.7882 | 44.3516 | 12.3742 | 1.77934 |
| 11700 | 5.1644 | .6123 | 1.8017 | 44.5634 | 12.4792 | 1.79306 |
| 11800 | 5.1715 | .6055 | 1.8147 | 44.7680 | 12.5777 | 1.80624 |
| 11900 | 5.1783 | .5988 | 1.8272 | 44.9670 | 12.6697 | 1.81898 |
| 12000 | 5.1848 | .5924 | 1.8390 | 45.1577 | 12.7540 | 1.83105 |
| 12100 | 5.1911 | .5861 | 1.8504 | 45.3430 | 12.8332 | 1.84270 |
| 12200 | 5.1972 | .5800 | 1.8613 | 45.5218 | 12.9061 | 1.85384 |
| 12300 | 5.2030 | .5740 | 1.8718 | 45.6956 | 12.9743 | 1.86457 |
| 12400 | 5.2086 | .5682 | 1.8816 | 45.8624 | 13.0358 | 1.87470 |
| 12500 | 5.2140 | .5625 | 1.8911 | 46.0247 | 13.0931 | 1.88449 |
| 12600 | 5.2192 | .5570 | 1.9002 | 46.1816 | 13.1455 | 1.89381 |
| 12700 | 5.2242 | .5516 | 1.9087 | 46.3334 | 13.1932 | 1.90272 |
| 12800 | 5.2290 | .5463 | 1.9169 | 46.4807 | 13.2369 | 1.91124 |
| 12900 | 5.2337 | .5412 | 1.9248 | 46.6244 | 13.2773 | 1.91947 |
| 13000 | 5.2383 | .5361 | 1.9323 | 46.7640 | 13.3143 | 1.92735 |
| 13100 | 5.2427 | .5312 | 1.9395 | 46.8998 | 13.3480 | 1.93491 |
| 13200 | 5.2470 | .5264 | 1.9464 | 47.0323 | 13.3789 | 1.94217 |
| 13300 | 5.2512 | .5216 | 1.9529 | 47.1616 | 13.4071 | 1.94917 |
| 13400 | 5.2553 | .5169 | 1.9593 | 47.2887 | 13.4337 | 1.95597 |
| 13500 | 5.2593 | .5124 | 1.9654 | 47.4126 | 13.4576 | 1.96251 |
| 13600 | 5.2632 | .5079 | 1.9713 | 47.5348 | 13.4803 | 1.96890 |
| 13700 | 5.2671 | .5034 | 1.9770 | 47.6548 | 13.5015 | 1.97511 |
| 13800 | 5.2709 | .4991 | 1.9825 | 47.7729 | 13.5214 | 1.98114 |
| 13900 | 5.2747 | .4947 | 1.9880 | 47.8899 | 13.5406 | 1.98710 |
| 14000 | 5.2784 | .4905 | 1.9932 | 48.0055 | 13.5591 | 1.99289 |
| 14100 | 5.2820 | .4863 | 1.9983 | 48.1191 | 13.5763 | 1.99861 |
| 14200 | 5.2856 | .4821 | 2.0034 | 48.2323 | 13.5934 | 2.00426 |
| 14300 | 5.2892 | .4780 | 2.0083 | 48.3446 | 13.6102 | 2.00983 |
| 14400 | 5.2928 | .4739 | 2.0132 | 48.4561 | 13.6269 | 2.01534 |
| 14500 | 5.2963 | .4699 | 2.0179 | 48.5670 | 13.6434 | 2.02081 |
| 14600 | 5.2998 | .4659 | 2.0227 | 48.6774 | 13.6600 | 2.02626 |
| 14700 | 5.3033 | .4619 | 2.0274 | 48.7878 | 13.6771 | 2.03171 |
| 14800 | 5.3068 | .4580 | 2.0320 | 48.8978 | 13.6942 | 2.03715 |
| 14900 | 5.3103 | .4540 | 2.0367 | 49.0079 | 13.7121 | 2.04261 |
| 15000 | 5.3138 | .4501 | 2.0414 | 49.1180 | 13.7304 | 2.04809 |

LOG P= 2.6

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 300  | 2.9520  | 2.4765  | 1.2140 | 17.3617 | 2.9848 | 1.00000 |
| 1500 | 3.7659  | 1.8217  | 1.0923 | 24.0012 | 3.8887 | .99991  |
| 1600 | 3.7973  | 1.7956  | 1.0876 | 24.2834 | 3.9192 | .99988  |
| 1700 | 3.8270  | 1.7710  | 1.0833 | 24.5516 | 3.9492 | .99987  |
| 1800 | 3.8550  | 1.7477  | 1.0794 | 24.8077 | 3.9783 | .99985  |
| 1900 | 3.8817  | 1.7257  | 1.0757 | 25.0532 | 4.0079 | .99984  |
| 2000 | 3.9071  | 1.7048  | 1.0723 | 25.2889 | 4.0375 | .99982  |
| 2100 | 3.9315  | 1.6848  | 1.0692 | 25.5161 | 4.0667 | .99981  |
| 2200 | 3.9549  | 1.6658  | 1.0664 | 25.7354 | 4.0968 | .99981  |
| 2300 | 3.9772  | 1.6476  | 1.0637 | 25.9477 | 4.1259 | .99982  |
| 2400 | 3.9988  | 1.6301  | 1.0613 | 26.1535 | 4.1553 | .99985  |
| 2500 | 4.0197  | 1.6133  | 1.0590 | 26.3536 | 4.1856 | .99990  |
| 2600 | 4.0398  | 1.5971  | 1.0570 | 26.5483 | 4.2155 | .99998  |
| 2700 | 4.0593  | 1.5815  | 1.0551 | 26.7383 | 4.2453 | 1.00011 |
| 2800 | 4.0783  | 1.5664  | 1.0533 | 26.9240 | 4.2765 | 1.00029 |
| 2900 | 4.0967  | 1.5518  | 1.0518 | 27.1060 | 4.3079 | 1.00055 |
| 3000 | 4.1149  | 1.5376  | 1.0505 | 27.2874 | 4.3426 | 1.00089 |
| 3100 | 4.1324  | 1.5239  | 1.0494 | 27.4634 | 4.3759 | 1.00135 |
| 3200 | 4.1496  | 1.5104  | 1.0485 | 27.6369 | 4.4097 | 1.00194 |
| 3300 | 4.1664  | 1.4973  | 1.0478 | 27.8085 | 4.4449 | 1.00268 |
| 3400 | 4.1830  | 1.4846  | 1.0474 | 27.9784 | 4.4820 | 1.00358 |
| 3500 | 4.1992  | 1.4720  | 1.0473 | 28.1469 | 4.5197 | 1.00469 |
| 3600 | 4.2153  | 1.4597  | 1.0474 | 28.3148 | 4.5599 | 1.00602 |
| 3700 | 4.2311  | 1.4477  | 1.0478 | 28.4818 | 4.6010 | 1.00758 |
| 3800 | 4.2468  | 1.4358  | 1.0486 | 28.6487 | 4.6452 | 1.00941 |
| 3900 | 4.2623  | 1.4240  | 1.0497 | 28.8154 | 4.6906 | 1.01151 |
| 4000 | 4.2776  | 1.4124  | 1.0511 | 28.9821 | 4.7375 | 1.01391 |
| 4100 | 4.2928  | 1.4010  | 1.0529 | 29.1489 | 4.7868 | 1.01660 |
| 4200 | 4.3079  | 1.3896  | 1.0550 | 29.3157 | 4.8376 | 1.01961 |
| 4300 | 4.3228  | 1.3784  | 1.0575 | 29.4827 | 4.8906 | 1.02292 |
| 4400 | 4.3375  | 1.3673  | 1.0603 | 29.6495 | 4.9440 | 1.02654 |
| 4500 | 4.3522  | 1.3562  | 1.0634 | 29.8167 | 4.9998 | 1.03048 |
| 4600 | 4.3665  | 1.3453  | 1.0669 | 29.9832 | 5.0556 | 1.03470 |
| 4700 | 4.3807  | 1.3344  | 1.0707 | 30.1493 | 5.1122 | 1.03919 |
| 4800 | 4.3947  | 1.3236  | 1.0748 | 30.3148 | 5.1695 | 1.04395 |
| 4900 | 4.4085  | 1.3129  | 1.0791 | 30.4794 | 5.2272 | 1.04894 |
| 5000 | 4.4228  | 1.3023  | 1.0835 | 30.6536 | 5.2947 | 1.05398 |
| 5100 | 4.4360  | 1.2919  | 1.0882 | 30.8157 | 5.3513 | 1.05932 |
| 5200 | 4.4490  | 1.2815  | 1.0931 | 30.9758 | 5.4069 | 1.06479 |
| 5300 | 4.4616  | 1.2712  | 1.0981 | 31.1337 | 5.4617 | 1.07036 |
| 5400 | 4.4740  | 1.2611  | 1.1032 | 31.2898 | 5.5152 | 1.07601 |
| 5500 | 4.4860  | 1.2511  | 1.1084 | 31.4434 | 5.5673 | 1.08169 |
| 5600 | 4.4978  | 1.2412  | 1.1136 | 31.5948 | 5.6181 | 1.08742 |
| 5700 | 4.5093  | 1.2315  | 1.1188 | 31.7444 | 5.6675 | 1.09313 |
| 5800 | 4.5205  | 1.2219  | 1.1240 | 31.8909 | 5.7152 | 1.09880 |
| 5900 | 4.5314  | 1.2125  | 1.1292 | 32.0356 | 5.7618 | 1.10445 |
| 6000 | 4.5421  | 1.2032  | 1.1344 | 32.1783 | 5.8072 | 1.11005 |
| 6100 | 4.5526  | 1.1941  | 1.1395 | 32.3193 | 5.8515 | 1.11559 |
| 6200 | 4.5629  | 1.1851  | 1.1446 | 32.4579 | 5.8949 | 1.12106 |
| 6300 | 4.5730  | 1.1763  | 1.1496 | 32.5955 | 5.9380 | 1.12654 |
| 6400 | 4.5829  | 1.1675  | 1.1546 | 32.7326 | 5.9808 | 1.13195 |
| 6500 | 4.5928  | 1.1589  | 1.1597 | 32.8687 | 6.0239 | 1.13735 |
| 6600 | 4.6026  | 1.1504  | 1.1647 | 33.0043 | 6.0674 | 1.14276 |
| 6700 | 4.6122  | 1.1420  | 1.1698 | 33.1400 | 6.1117 | 1.14817 |
| 6800 | 4.6219  | 1.1337  | 1.1749 | 33.2767 | 6.1571 | 1.15362 |
| 6900 | 4.6315  | 1.1254  | 1.1800 | 33.4136 | 6.2040 | 1.15913 |
| 7000 | 4.6412  | 1.1172  | 1.1853 | 33.5524 | 6.2529 | 1.16474 |
| 7100 | 4.6509  | 1.1091  | 1.1907 | 33.6919 | 6.3039 | 1.17046 |
| 7200 | 4.6606  | 1.1010  | 1.1963 | 33.8339 | 6.3573 | 1.17630 |
| 7300 | 4.6704  | 1.0929  | 1.2020 | 33.9781 | 6.4135 | 1.18234 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 7400  | 4.6803 | 1.0849 | 1.2079 | 34.1255 | 6.4729  | 1.18855 |
| 7500  | 4.6903 | 1.0769 | 1.2141 | 34.2755 | 6.5353  | 1.19496 |
| 7600  | 4.7005 | 1.0688 | 1.2205 | 34.4289 | 6.6017  | 1.20164 |
| 7700  | 4.7107 | 1.0608 | 1.2271 | 34.5853 | 6.6716  | 1.20857 |
| 7800  | 4.7211 | 1.0527 | 1.2341 | 34.7461 | 6.7457  | 1.21580 |
| 7900  | 4.7317 | 1.0446 | 1.2414 | 34.9110 | 6.8242  | 1.22336 |
| 8000  | 4.7424 | 1.0365 | 1.2491 | 35.0801 | 6.9072  | 1.23126 |
| 8100  | 4.7533 | 1.0283 | 1.2571 | 35.2539 | 6.9947  | 1.23950 |
| 8200  | 4.7643 | 1.0201 | 1.2655 | 35.4324 | 7.0869  | 1.24812 |
| 8300  | 4.7754 | 1.0118 | 1.2743 | 35.6159 | 7.1838  | 1.25714 |
| 8400  | 4.7868 | 1.0035 | 1.2835 | 35.8045 | 7.2860  | 1.26660 |
| 8500  | 4.7983 | .9951  | 1.2932 | 35.9988 | 7.3934  | 1.27651 |
| 8600  | 4.8099 | .9866  | 1.3033 | 36.1986 | 7.5056  | 1.28684 |
| 8700  | 4.8216 | .9781  | 1.3139 | 36.4028 | 7.6224  | 1.29760 |
| 8800  | 4.8335 | .9695  | 1.3250 | 36.6126 | 7.7447  | 1.30886 |
| 8900  | 4.8455 | .9608  | 1.3365 | 36.8283 | 7.8722  | 1.32060 |
| 9000  | 4.8576 | .9521  | 1.3485 | 37.0493 | 8.0043  | 1.33281 |
| 9100  | 4.8698 | .9432  | 1.3611 | 37.2758 | 8.1418  | 1.34553 |
| 9200  | 4.8820 | .9344  | 1.3741 | 37.5071 | 8.2834  | 1.35870 |
| 9300  | 4.8942 | .9254  | 1.3875 | 37.7429 | 8.4287  | 1.37229 |
| 9400  | 4.9066 | .9165  | 1.4014 | 37.9839 | 8.5788  | 1.38639 |
| 9500  | 4.9189 | .9074  | 1.4158 | 38.2300 | 8.7334  | 1.40096 |
| 9600  | 4.9312 | .8984  | 1.4306 | 38.4801 | 8.8910  | 1.41593 |
| 9700  | 4.9435 | .8893  | 1.4458 | 38.7329 | 9.0511  | 1.43126 |
| 9800  | 4.9557 | .8802  | 1.4614 | 38.9902 | 9.2148  | 1.44704 |
| 9900  | 4.9678 | .8710  | 1.4773 | 39.2499 | 9.3801  | 1.46309 |
| 10000 | 4.9798 | .8620  | 1.4935 | 39.5115 | 9.5464  | 1.47941 |
| 10100 | 4.9918 | .8529  | 1.5100 | 39.7761 | 9.7150  | 1.49607 |
| 10200 | 5.0035 | .8438  | 1.5267 | 40.0410 | 9.8835  | 1.51290 |
| 10300 | 5.0151 | .8348  | 1.5436 | 40.3078 | 10.0531 | 1.53000 |
| 10400 | 5.0266 | .8258  | 1.5606 | 40.5743 | 10.2215 | 1.54718 |
| 10500 | 5.0377 | .8169  | 1.5777 | 40.8393 | 10.3883 | 1.56437 |
| 10600 | 5.0487 | .8081  | 1.5949 | 41.1048 | 10.5544 | 1.58170 |
| 10700 | 5.0595 | .7994  | 1.6119 | 41.3677 | 10.7176 | 1.59895 |
| 10800 | 5.0699 | .7908  | 1.6289 | 41.6281 | 10.8772 | 1.61607 |
| 10900 | 5.0802 | .7823  | 1.6458 | 41.8865 | 11.0347 | 1.63316 |
| 11000 | 5.0901 | .7740  | 1.6625 | 42.1409 | 11.1875 | 1.65002 |
| 11100 | 5.0998 | .7658  | 1.6789 | 42.3907 | 11.3354 | 1.66660 |
| 11200 | 5.1092 | .7577  | 1.6952 | 42.6371 | 11.4797 | 1.68301 |
| 11300 | 5.1182 | .7499  | 1.7109 | 42.8766 | 11.6166 | 1.69892 |
| 11400 | 5.1269 | .7421  | 1.7263 | 43.1120 | 11.7491 | 1.71457 |
| 11500 | 5.1354 | .7345  | 1.7415 | 43.3431 | 11.8769 | 1.72993 |
| 11600 | 5.1435 | .7271  | 1.7561 | 43.5663 | 11.9969 | 1.74472 |
| 11700 | 5.1514 | .7199  | 1.7703 | 43.7849 | 12.1118 | 1.75915 |
| 11800 | 5.1590 | .7129  | 1.7840 | 43.9968 | 12.2203 | 1.77311 |
| 11900 | 5.1663 | .7060  | 1.7974 | 44.2037 | 12.3236 | 1.78670 |
| 12000 | 5.1733 | .6993  | 1.8101 | 44.4026 | 12.4191 | 1.79963 |
| 12100 | 5.1800 | .6927  | 1.8224 | 44.5965 | 12.5095 | 1.81219 |
| 12200 | 5.1865 | .6863  | 1.8342 | 44.7840 | 12.5938 | 1.82425 |
| 12300 | 5.1928 | .6801  | 1.8456 | 44.9667 | 12.6733 | 1.83592 |
| 12400 | 5.1988 | .6741  | 1.8564 | 45.1420 | 12.7457 | 1.84699 |
| 12500 | 5.2046 | .6682  | 1.8668 | 45.3129 | 12.8140 | 1.85770 |
| 12600 | 5.2102 | .6624  | 1.8767 | 45.4781 | 12.8769 | 1.86794 |
| 12700 | 5.2156 | .6568  | 1.8862 | 45.6379 | 12.9347 | 1.87774 |
| 12800 | 5.2208 | .6513  | 1.8952 | 45.7929 | 12.9880 | 1.88712 |
| 12900 | 5.2258 | .6459  | 1.9039 | 45.9440 | 13.0377 | 1.89618 |
| 13000 | 5.2307 | .6407  | 1.9122 | 46.0905 | 13.0835 | 1.90487 |
| 13100 | 5.2354 | .6355  | 1.9201 | 46.2329 | 13.1254 | 1.91319 |
| 13200 | 5.2400 | .6305  | 1.9277 | 46.3714 | 13.1639 | 1.92117 |
| 13300 | 5.2444 | .6256  | 1.9350 | 46.5062 | 13.1993 | 1.92885 |
| 13400 | 5.2488 | .6208  | 1.9420 | 46.6384 | 13.2324 | 1.93630 |
| 13500 | 5.2530 | .6161  | 1.9486 | 46.7668 | 13.2624 | 1.94342 |
| 13600 | 5.2571 | .6114  | 1.9551 | 46.8932 | 13.2908 | 1.95037 |
| 13700 | 5.2611 | .6069  | 1.9613 | 47.0169 | 13.3170 | 1.95709 |
| 13800 | 5.2651 | .6024  | 1.9673 | 47.1381 | 13.3413 | 1.96359 |
| 13900 | 5.2690 | .5980  | 1.9731 | 47.2579 | 13.3646 | 1.96997 |

|       |        |       |        |         |         |         |
|-------|--------|-------|--------|---------|---------|---------|
| 14000 | 5.2728 | .5936 | 1.9787 | 47.3756 | 13.3865 | 1.97614 |
| 14100 | 5.2765 | .5894 | 1.9842 | 47.4912 | 13.4068 | 1.98220 |
| 14200 | 5.2803 | .5851 | 1.9895 | 47.6058 | 13.4266 | 1.98815 |
| 14300 | 5.2839 | .5809 | 1.9947 | 47.7191 | 13.4455 | 1.99398 |
| 14400 | 5.2875 | .5768 | 1.9998 | 47.8312 | 13.4639 | 1.99972 |
| 14500 | 5.2911 | .5727 | 2.0048 | 47.9423 | 13.4818 | 2.00537 |
| 14600 | 5.2947 | .5687 | 2.0096 | 48.0525 | 13.4993 | 2.01096 |
| 14700 | 5.2982 | .5647 | 2.0145 | 48.1625 | 13.5171 | 2.01653 |
| 14800 | 5.3017 | .5607 | 2.0192 | 48.2716 | 13.5344 | 2.02205 |
| 14900 | 5.3052 | .5568 | 2.0239 | 48.3805 | 13.5521 | 2.02756 |
| 15000 | 5.3087 | .5529 | 2.0286 | 48.4891 | 13.5701 | 2.03305 |

LOG P= 2.7

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 300  | 2.9543  | 2.5382  | 1.3285 | 17.0848 | 3.0005 | 1.00000 |
| 1500 | 3.7680  | 1.9132  | 1.1139 | 23.7659 | 3.9072 | .99989  |
| 1600 | 3.7993  | 1.8874  | 1.1082 | 24.0489 | 3.9374 | .99986  |
| 1700 | 3.8289  | 1.8631  | 1.1030 | 24.3178 | 3.9670 | .99984  |
| 1800 | 3.8569  | 1.8402  | 1.0982 | 24.5745 | 3.9957 | .99983  |
| 1900 | 3.8835  | 1.8185  | 1.0938 | 24.8204 | 4.0248 | .99980  |
| 2000 | 3.9089  | 1.7978  | 1.0897 | 25.0565 | 4.0540 | .99979  |
| 2100 | 3.9332  | 1.7782  | 1.0859 | 25.2840 | 4.0827 | .99978  |
| 2200 | 3.9565  | 1.7594  | 1.0823 | 25.5036 | 4.1123 | .99977  |
| 2300 | 3.9788  | 1.7414  | 1.0791 | 25.7161 | 4.1409 | .99978  |
| 2400 | 4.0003  | 1.7241  | 1.0760 | 25.9220 | 4.1698 | .99980  |
| 2500 | 4.0211  | 1.7075  | 1.0733 | 26.1221 | 4.1994 | .99984  |
| 2600 | 4.0412  | 1.6915  | 1.0707 | 26.3167 | 4.2288 | .99991  |
| 2700 | 4.0606  | 1.6761  | 1.0683 | 26.5065 | 4.2579 | 1.00002 |
| 2800 | 4.0795  | 1.6612  | 1.0661 | 26.6919 | 4.2884 | 1.00018 |
| 2900 | 4.0978  | 1.6467  | 1.0642 | 26.8733 | 4.3188 | 1.00041 |
| 3000 | 4.1159  | 1.6327  | 1.0624 | 27.0541 | 4.3524 | 1.00071 |
| 3100 | 4.1333  | 1.6191  | 1.0609 | 27.2291 | 4.3846 | 1.00111 |
| 3200 | 4.1503  | 1.6059  | 1.0596 | 27.4015 | 4.4169 | 1.00164 |
| 3300 | 4.1669  | 1.5929  | 1.0585 | 27.5716 | 4.4506 | 1.00230 |
| 3400 | 4.1833  | 1.5803  | 1.0577 | 27.7398 | 4.4859 | 1.00310 |
| 3500 | 4.1993  | 1.5679  | 1.0572 | 27.9064 | 4.5214 | 1.00409 |
| 3600 | 4.2152  | 1.5558  | 1.0569 | 28.0720 | 4.5592 | 1.00528 |
| 3700 | 4.2308  | 1.5439  | 1.0569 | 28.2363 | 4.5978 | 1.00667 |
| 3800 | 4.2462  | 1.5322  | 1.0572 | 28.4002 | 4.6391 | 1.00831 |
| 3900 | 4.2614  | 1.5207  | 1.0578 | 28.5637 | 4.6814 | 1.01020 |
| 4000 | 4.2765  | 1.5093  | 1.0587 | 28.7267 | 4.7249 | 1.01235 |
| 4100 | 4.2914  | 1.4981  | 1.0600 | 28.8897 | 4.7708 | 1.01477 |
| 4200 | 4.3061  | 1.4869  | 1.0616 | 29.0524 | 4.8178 | 1.01747 |
| 4300 | 4.3207  | 1.4759  | 1.0636 | 29.2150 | 4.8670 | 1.02047 |
| 4400 | 4.3351  | 1.4650  | 1.0658 | 29.3773 | 4.9165 | 1.02374 |
| 4500 | 4.3494  | 1.4542  | 1.0685 | 29.5398 | 4.9683 | 1.02731 |
| 4600 | 4.3635  | 1.4435  | 1.0714 | 29.7015 | 5.0200 | 1.03115 |
| 4700 | 4.3773  | 1.4328  | 1.0746 | 29.8629 | 5.0727 | 1.03525 |
| 4800 | 4.3910  | 1.4222  | 1.0781 | 30.0236 | 5.1262 | 1.03961 |
| 4900 | 4.4045  | 1.4118  | 1.0819 | 30.1836 | 5.1802 | 1.04420 |
| 5000 | 4.4187  | 1.4014  | 1.0858 | 30.3535 | 5.2445 | 1.04887 |
| 5100 | 4.4317  | 1.3912  | 1.0900 | 30.5115 | 5.2978 | 1.05382 |
| 5200 | 4.4444  | 1.3810  | 1.0944 | 30.6676 | 5.3505 | 1.05893 |
| 5300 | 4.4569  | 1.3709  | 1.0989 | 30.8217 | 5.4027 | 1.06416 |
| 5400 | 4.4691  | 1.3610  | 1.1036 | 30.9745 | 5.4539 | 1.06950 |
| 5500 | 4.4811  | 1.3511  | 1.1083 | 31.1250 | 5.5041 | 1.07488 |
| 5600 | 4.4927  | 1.3414  | 1.1131 | 31.2736 | 5.5532 | 1.08035 |
| 5700 | 4.5042  | 1.3318  | 1.1180 | 31.4207 | 5.6013 | 1.08583 |
| 5800 | 4.5153  | 1.3224  | 1.1229 | 31.5648 | 5.6478 | 1.09130 |
| 5900 | 4.5262  | 1.3131  | 1.1278 | 31.7074 | 5.6933 | 1.09677 |
| 6000 | 4.5369  | 1.3039  | 1.1327 | 31.8481 | 5.7378 | 1.10222 |
| 6100 | 4.5474  | 1.2949  | 1.1375 | 31.9871 | 5.7814 | 1.10763 |
| 6200 | 4.5576  | 1.2859  | 1.1424 | 32.1237 | 5.8240 | 1.11299 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 6300  | 4.5677 | 1.2771 | 1.1473 | 32.2594 | 5.8663  | 1.11836 |
| 6400  | 4.5776 | 1.2685 | 1.1521 | 32.3944 | 5.9081  | 1.12368 |
| 6500  | 4.5874 | 1.2599 | 1.1569 | 32.5281 | 5.9500  | 1.12898 |
| 6600  | 4.5971 | 1.2515 | 1.1618 | 32.6613 | 5.9922  | 1.13430 |
| 6700  | 4.6067 | 1.2431 | 1.1666 | 32.7941 | 6.0348  | 1.13960 |
| 6800  | 4.6163 | 1.2349 | 1.1716 | 32.9278 | 6.0783  | 1.14493 |
| 6900  | 4.6258 | 1.2267 | 1.1765 | 33.0611 | 6.1228  | 1.15031 |
| 7000  | 4.6353 | 1.2186 | 1.1816 | 33.1960 | 6.1690  | 1.15576 |
| 7100  | 4.6448 | 1.2106 | 1.1867 | 33.3311 | 6.2167  | 1.16130 |
| 7200  | 4.6544 | 1.2026 | 1.1919 | 33.4682 | 6.2665  | 1.16692 |
| 7300  | 4.6639 | 1.1946 | 1.1974 | 33.6070 | 6.3186  | 1.17272 |
| 7400  | 4.6736 | 1.1867 | 1.2029 | 33.7485 | 6.3733  | 1.17865 |
| 7500  | 4.6833 | 1.1788 | 1.2087 | 33.8919 | 6.4307  | 1.18473 |
| 7600  | 4.6932 | 1.1709 | 1.2146 | 34.0382 | 6.4913  | 1.19106 |
| 7700  | 4.7031 | 1.1630 | 1.2208 | 34.1870 | 6.5551  | 1.19759 |
| 7800  | 4.7131 | 1.1551 | 1.2273 | 34.3396 | 6.6225  | 1.20438 |
| 7900  | 4.7233 | 1.1472 | 1.2341 | 34.4955 | 6.6936  | 1.21144 |
| 8000  | 4.7336 | 1.1393 | 1.2411 | 34.6551 | 6.7688  | 1.21880 |
| 8100  | 4.7441 | 1.1313 | 1.2485 | 34.8188 | 6.8479  | 1.22647 |
| 8200  | 4.7546 | 1.1233 | 1.2562 | 34.9865 | 6.9313  | 1.23445 |
| 8300  | 4.7653 | 1.1152 | 1.2643 | 35.1586 | 7.0189  | 1.24280 |
| 8400  | 4.7762 | 1.1071 | 1.2727 | 35.3353 | 7.1111  | 1.25153 |
| 8500  | 4.7872 | 1.0990 | 1.2816 | 35.5171 | 7.2081  | 1.26066 |
| 8600  | 4.7984 | 1.0908 | 1.2908 | 35.7038 | 7.3095  | 1.27018 |
| 8700  | 4.8096 | 1.0825 | 1.3005 | 35.8945 | 7.4150  | 1.28007 |
| 8800  | 4.8210 | 1.0742 | 1.3106 | 36.0902 | 7.5257  | 1.29042 |
| 8900  | 4.8326 | 1.0658 | 1.3211 | 36.2913 | 7.6412  | 1.30121 |
| 9000  | 4.8442 | 1.0574 | 1.3321 | 36.4974 | 7.7611  | 1.31244 |
| 9100  | 4.8559 | 1.0488 | 1.3436 | 36.7086 | 7.8860  | 1.32414 |
| 9200  | 4.8677 | 1.0403 | 1.3555 | 36.9244 | 8.0149  | 1.33626 |
| 9300  | 4.8795 | 1.0316 | 1.3678 | 37.1446 | 8.1475  | 1.34878 |
| 9400  | 4.8914 | 1.0230 | 1.3806 | 37.3697 | 8.2849  | 1.36179 |
| 9500  | 4.9034 | 1.0142 | 1.3939 | 37.6000 | 8.4268  | 1.37526 |
| 9600  | 4.9154 | 1.0054 | 1.4076 | 37.8342 | 8.5719  | 1.38913 |
| 9700  | 4.9273 | .9966  | 1.4216 | 38.0715 | 8.7199  | 1.40337 |
| 9800  | 4.9392 | .9877  | 1.4361 | 38.3135 | 8.8717  | 1.41806 |
| 9900  | 4.9511 | .9789  | 1.4509 | 38.5584 | 9.0257  | 1.43307 |
| 10000 | 4.9629 | .9700  | 1.4660 | 38.8058 | 9.1815  | 1.44837 |
| 10100 | 4.9747 | .9611  | 1.4815 | 39.0567 | 9.3400  | 1.46405 |
| 10200 | 4.9863 | .9523  | 1.4972 | 39.3089 | 9.4994  | 1.47996 |
| 10300 | 4.9979 | .9434  | 1.5133 | 39.5636 | 9.6607  | 1.49620 |
| 10400 | 5.0092 | .9346  | 1.5295 | 39.8191 | 9.8219  | 1.51259 |
| 10500 | 5.0204 | .9258  | 1.5458 | 40.0742 | 9.9826  | 1.52908 |
| 10600 | 5.0315 | .9171  | 1.5623 | 40.3308 | 10.1436 | 1.54579 |
| 10700 | 5.0424 | .9084  | 1.5789 | 40.5862 | 10.3032 | 1.56253 |
| 10800 | 5.0530 | .8999  | 1.5954 | 40.8402 | 10.4603 | 1.57923 |
| 10900 | 5.0634 | .8914  | 1.6120 | 41.0935 | 10.6165 | 1.59600 |
| 11000 | 5.0736 | .8830  | 1.6284 | 41.3441 | 10.7695 | 1.61266 |
| 11100 | 5.0835 | .8747  | 1.6447 | 41.5916 | 10.9188 | 1.62916 |
| 11200 | 5.0932 | .8666  | 1.6610 | 41.8368 | 11.0657 | 1.64559 |
| 11300 | 5.1025 | .8586  | 1.6768 | 42.0765 | 11.2064 | 1.66163 |
| 11400 | 5.1117 | .8507  | 1.6925 | 42.3132 | 11.3439 | 1.67751 |
| 11500 | 5.1206 | .8430  | 1.7080 | 42.5469 | 11.4778 | 1.69322 |
| 11600 | 5.1291 | .8354  | 1.7230 | 42.7736 | 11.6048 | 1.70844 |
| 11700 | 5.1374 | .8280  | 1.7377 | 42.9968 | 11.7276 | 1.72339 |
| 11800 | 5.1454 | .8207  | 1.7520 | 43.2140 | 11.8446 | 1.73796 |
| 11900 | 5.1532 | .8136  | 1.7660 | 43.4271 | 11.9573 | 1.75221 |
| 12000 | 5.1606 | .8067  | 1.7794 | 43.6326 | 12.0624 | 1.76588 |
| 12100 | 5.1678 | .7999  | 1.7925 | 43.8337 | 12.1630 | 1.77922 |
| 12200 | 5.1748 | .7933  | 1.8051 | 44.0288 | 12.2576 | 1.79210 |
| 12300 | 5.1815 | .7868  | 1.8173 | 44.2194 | 12.3477 | 1.80462 |
| 12400 | 5.1879 | .7805  | 1.8289 | 44.4027 | 12.4306 | 1.81655 |
| 12500 | 5.1942 | .7744  | 1.8402 | 44.5816 | 12.5094 | 1.82814 |
| 12600 | 5.2002 | .7684  | 1.8510 | 44.7549 | 12.5828 | 1.83928 |
| 12700 | 5.2059 | .7625  | 1.8614 | 44.9226 | 12.6509 | 1.84996 |
| 12800 | 5.2115 | .7568  | 1.8712 | 45.0854 | 12.7141 | 1.86021 |

|       |        |       |        |         |         |         |
|-------|--------|-------|--------|---------|---------|---------|
| 12900 | 5.2169 | .7512 | 1.8808 | 45.2441 | 12.7736 | 1.87013 |
| 13000 | 5.2221 | .7458 | 1.8899 | 45.3980 | 12.8288 | 1.87966 |
| 13100 | 5.2272 | .7404 | 1.8987 | 45.5475 | 12.8797 | 1.88830 |
| 13200 | 5.2321 | .7352 | 1.9070 | 45.6927 | 12.9268 | 1.89756 |
| 13300 | 5.2368 | .7301 | 1.9150 | 45.8338 | 12.9703 | 1.90600 |
| 13400 | 5.2414 | .7251 | 1.9227 | 45.9720 | 13.0111 | 1.91417 |
| 13500 | 5.2459 | .7203 | 1.9300 | 46.1059 | 13.0482 | 1.92198 |
| 13600 | 5.2503 | .7154 | 1.9371 | 46.2374 | 13.0832 | 1.92957 |
| 13700 | 5.2545 | .7107 | 1.9440 | 46.3658 | 13.1156 | 1.93690 |
| 13800 | 5.2587 | .7061 | 1.9505 | 46.4913 | 13.1457 | 1.94397 |
| 13900 | 5.2627 | .7016 | 1.9569 | 46.6149 | 13.1743 | 1.95090 |
| 14000 | 5.2667 | .6971 | 1.9629 | 46.7360 | 13.2008 | 1.95755 |
| 14100 | 5.2706 | .6927 | 1.9688 | 46.8547 | 13.2254 | 1.96407 |
| 14200 | 5.2745 | .6884 | 1.9746 | 46.9719 | 13.2491 | 1.97043 |
| 14300 | 5.2783 | .6841 | 1.9801 | 47.0873 | 13.2713 | 1.97662 |
| 14400 | 5.2820 | .6799 | 1.9855 | 47.2011 | 13.2927 | 1.98270 |
| 14500 | 5.2857 | .6758 | 1.9907 | 47.3136 | 13.3131 | 1.98865 |
| 14600 | 5.2893 | .6717 | 1.9959 | 47.4247 | 13.3327 | 1.99449 |
| 14700 | 5.2929 | .6676 | 2.0009 | 47.5353 | 13.3522 | 2.00029 |
| 14800 | 5.2964 | .6636 | 2.0058 | 47.6447 | 13.3709 | 2.00598 |
| 14900 | 5.3000 | .6596 | 2.0107 | 47.7535 | 13.3897 | 2.01165 |
| 15000 | 5.3035 | .6557 | 2.0154 | 47.8617 | 13.4082 | 2.01726 |

LOG P= 2.8

| T    | LOG F/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 300  | 2.9624  | 2.5903  | 1.4791 | 16.8222 | 3.0569 | 1.00000 |
| 1500 | 3.7704  | 2.0031  | 1.1401 | 23.5288 | 3.9296 | .99986  |
| 1600 | 3.8018  | 1.9777  | 1.1332 | 23.8129 | 3.9594 | .99984  |
| 1700 | 3.8313  | 1.9538  | 1.1269 | 24.0828 | 3.9886 | .99982  |
| 1800 | 3.8592  | 1.9312  | 1.1211 | 24.3402 | 4.0168 | .99979  |
| 1900 | 3.8857  | 1.9098  | 1.1157 | 24.5867 | 4.0454 | .99977  |
| 2000 | 3.9111  | 1.8895  | 1.1107 | 24.8234 | 4.0740 | .99975  |
| 2100 | 3.9352  | 1.8701  | 1.1061 | 25.0513 | 4.1022 | .99974  |
| 2200 | 3.9585  | 1.8516  | 1.1018 | 25.2712 | 4.1312 | .99972  |
| 2300 | 3.9808  | 1.8339  | 1.0978 | 25.4839 | 4.1593 | .99973  |
| 2400 | 4.0022  | 1.8169  | 1.0942 | 25.6900 | 4.1876 | .99974  |
| 2500 | 4.0229  | 1.8005  | 1.0907 | 25.8902 | 4.2167 | .99977  |
| 2600 | 4.0429  | 1.7847  | 1.0875 | 26.0848 | 4.2454 | .99983  |
| 2700 | 4.0622  | 1.7695  | 1.0846 | 26.2744 | 4.2737 | .99992  |
| 2800 | 4.0810  | 1.7548  | 1.0819 | 26.4596 | 4.3034 | 1.00007 |
| 2900 | 4.0992  | 1.7406  | 1.0794 | 26.6406 | 4.3328 | 1.00026 |
| 3000 | 4.1171  | 1.7267  | 1.0771 | 26.8208 | 4.3654 | 1.00053 |
| 3100 | 4.1345  | 1.7133  | 1.0751 | 26.9951 | 4.3964 | 1.00089 |
| 3200 | 4.1513  | 1.7003  | 1.0733 | 27.1665 | 4.4274 | 1.00136 |
| 3300 | 4.1678  | 1.6875  | 1.0718 | 27.3354 | 4.4595 | 1.00194 |
| 3400 | 4.1840  | 1.6751  | 1.0705 | 27.5021 | 4.4930 | 1.00266 |
| 3500 | 4.1999  | 1.6629  | 1.0695 | 27.6669 | 4.5267 | 1.00354 |
| 3600 | 4.2155  | 1.6510  | 1.0688 | 27.8304 | 4.5623 | 1.00460 |
| 3700 | 4.2308  | 1.6393  | 1.0683 | 27.9924 | 4.5985 | 1.00585 |
| 3800 | 4.2460  | 1.6277  | 1.0681 | 28.1537 | 4.6371 | 1.00731 |
| 3900 | 4.2610  | 1.6164  | 1.0683 | 28.3142 | 4.6766 | 1.00900 |
| 4000 | 4.2757  | 1.6052  | 1.0687 | 28.4739 | 4.7171 | 1.01093 |
| 4100 | 4.2904  | 1.5942  | 1.0695 | 28.6334 | 4.7596 | 1.01311 |
| 4200 | 4.3048  | 1.5833  | 1.0706 | 28.7923 | 4.8032 | 1.01554 |
| 4300 | 4.3191  | 1.5725  | 1.0720 | 28.9510 | 4.8488 | 1.01823 |
| 4400 | 4.3332  | 1.5618  | 1.0737 | 29.1091 | 4.8946 | 1.02119 |
| 4500 | 4.3472  | 1.5512  | 1.0757 | 29.2672 | 4.9426 | 1.02442 |
| 4600 | 4.3609  | 1.5407  | 1.0781 | 29.4245 | 4.9905 | 1.02790 |
| 4700 | 4.3745  | 1.5303  | 1.0807 | 29.5814 | 5.0394 | 1.03164 |
| 4800 | 4.3879  | 1.5200  | 1.0836 | 29.7377 | 5.0891 | 1.03563 |
| 4900 | 4.4011  | 1.5098  | 1.0868 | 29.8932 | 5.1394 | 1.03983 |
| 5000 | 4.4150  | 1.4997  | 1.0902 | 30.0591 | 5.2004 | 1.04413 |
| 5100 | 4.4278  | 1.4896  | 1.0938 | 30.2129 | 5.2505 | 1.04871 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 5200  | 4.4403 | 1.4797 | 1.0977 | 30.3649 | 5.3002  | 1.05346 |
| 5300  | 4.4526 | 1.4698 | 1.1017 | 30.5154 | 5.3496  | 1.05833 |
| 5400  | 4.4647 | 1.4601 | 1.1059 | 30.6646 | 5.3983  | 1.06334 |
| 5500  | 4.4765 | 1.4504 | 1.1101 | 30.8118 | 5.4463  | 1.06842 |
| 5600  | 4.4880 | 1.4409 | 1.1145 | 30.9574 | 5.4934  | 1.07360 |
| 5700  | 4.4994 | 1.4314 | 1.1190 | 31.1016 | 5.5397  | 1.07882 |
| 5800  | 4.5104 | 1.4221 | 1.1235 | 31.2432 | 5.5848  | 1.08405 |
| 5900  | 4.5213 | 1.4130 | 1.1281 | 31.3833 | 5.6290  | 1.08931 |
| 6000  | 4.5319 | 1.4039 | 1.1327 | 31.5218 | 5.6723  | 1.09458 |
| 6100  | 4.5423 | 1.3950 | 1.1372 | 31.6587 | 5.7148  | 1.09982 |
| 6200  | 4.5526 | 1.3862 | 1.1418 | 31.7932 | 5.7565  | 1.10504 |
| 6300  | 4.5626 | 1.3775 | 1.1464 | 31.9268 | 5.7978  | 1.11027 |
| 6400  | 4.5725 | 1.3689 | 1.1510 | 32.0596 | 5.8385  | 1.11546 |
| 6500  | 4.5822 | 1.3604 | 1.1556 | 32.1912 | 5.8793  | 1.12066 |
| 6600  | 4.5919 | 1.3521 | 1.1602 | 32.3219 | 5.9201  | 1.12586 |
| 6700  | 4.6014 | 1.3438 | 1.1649 | 32.4521 | 5.9611  | 1.13105 |
| 6800  | 4.6109 | 1.3356 | 1.1696 | 32.5829 | 6.0029  | 1.13625 |
| 6900  | 4.6203 | 1.3275 | 1.1743 | 32.7130 | 6.0453  | 1.14149 |
| 7000  | 4.6297 | 1.3195 | 1.1791 | 32.8444 | 6.0890  | 1.14679 |
| 7100  | 4.6390 | 1.3116 | 1.1839 | 32.9755 | 6.1340  | 1.15215 |
| 7200  | 4.6484 | 1.3037 | 1.1889 | 33.1082 | 6.1806  | 1.15759 |
| 7300  | 4.6578 | 1.2958 | 1.1940 | 33.2423 | 6.2292  | 1.16317 |
| 7400  | 4.6672 | 1.2880 | 1.1992 | 33.3785 | 6.2799  | 1.16885 |
| 7500  | 4.6767 | 1.2802 | 1.2046 | 33.5162 | 6.3327  | 1.17465 |
| 7600  | 4.6862 | 1.2725 | 1.2102 | 33.6562 | 6.3885  | 1.18066 |
| 7700  | 4.6958 | 1.2647 | 1.2160 | 33.7982 | 6.4468  | 1.18685 |
| 7800  | 4.7056 | 1.2570 | 1.2220 | 33.9435 | 6.5084  | 1.19325 |
| 7900  | 4.7154 | 1.2493 | 1.2282 | 34.0915 | 6.5731  | 1.19988 |
| 8000  | 4.7254 | 1.2415 | 1.2347 | 34.2426 | 6.6414  | 1.20677 |
| 8100  | 4.7354 | 1.2337 | 1.2415 | 34.3973 | 6.7131  | 1.21393 |
| 8200  | 4.7456 | 1.2259 | 1.2486 | 34.5554 | 6.7885  | 1.22135 |
| 8300  | 4.7559 | 1.2181 | 1.2560 | 34.7174 | 6.8677  | 1.22909 |
| 8400  | 4.7663 | 1.2102 | 1.2637 | 34.8833 | 6.9510  | 1.23718 |
| 8500  | 4.7769 | 1.2023 | 1.2718 | 35.0538 | 7.0387  | 1.24561 |
| 8600  | 4.7876 | 1.1943 | 1.2803 | 35.2287 | 7.1303  | 1.25439 |
| 8700  | 4.7984 | 1.1864 | 1.2891 | 35.4071 | 7.2257  | 1.26351 |
| 8800  | 4.8093 | 1.1783 | 1.2983 | 35.5900 | 7.3257  | 1.27304 |
| 8900  | 4.8204 | 1.1702 | 1.3079 | 35.7778 | 7.4303  | 1.28296 |
| 9000  | 4.8316 | 1.1620 | 1.3179 | 35.9701 | 7.5388  | 1.29328 |
| 9100  | 4.8428 | 1.1538 | 1.3284 | 36.1672 | 7.6521  | 1.30405 |
| 9200  | 4.8542 | 1.1455 | 1.3393 | 36.3686 | 7.7693  | 1.31519 |
| 9300  | 4.8656 | 1.1372 | 1.3506 | 36.5741 | 7.8900  | 1.32672 |
| 9400  | 4.8770 | 1.1288 | 1.3623 | 36.7843 | 8.0152  | 1.33870 |
| 9500  | 4.8886 | 1.1203 | 1.3744 | 36.9994 | 8.1449  | 1.35112 |
| 9600  | 4.9002 | 1.1118 | 1.3870 | 37.2185 | 8.2779  | 1.36394 |
| 9700  | 4.9118 | 1.1033 | 1.3999 | 37.4408 | 8.4139  | 1.37711 |
| 9800  | 4.9234 | 1.0947 | 1.4133 | 37.6677 | 8.5539  | 1.39073 |
| 9900  | 4.9350 | 1.0861 | 1.4270 | 37.8978 | 8.6963  | 1.40468 |
| 10000 | 4.9465 | 1.0775 | 1.4410 | 38.1307 | 8.8409  | 1.41894 |
| 10100 | 4.9580 | 1.0688 | 1.4555 | 38.3675 | 8.9888  | 1.43360 |
| 10200 | 4.9695 | 1.0602 | 1.4702 | 38.6060 | 9.1381  | 1.44853 |
| 10300 | 4.9809 | 1.0515 | 1.4852 | 38.8477 | 9.2899  | 1.46382 |
| 10400 | 4.9921 | 1.0429 | 1.5005 | 39.0908 | 9.4425  | 1.47931 |
| 10500 | 5.0033 | 1.0343 | 1.5160 | 39.3344 | 9.5954  | 1.49498 |
| 10600 | 5.0143 | 1.0257 | 1.5317 | 39.5804 | 9.7495  | 1.51092 |
| 10700 | 5.0252 | 1.0171 | 1.5475 | 39.8262 | 9.9032  | 1.52696 |
| 10800 | 5.0358 | 1.0087 | 1.5634 | 40.0717 | 10.0556 | 1.54306 |
| 10900 | 5.0464 | 1.0002 | 1.5794 | 40.3175 | 10.2081 | 1.55931 |
| 11000 | 5.0567 | .9919  | 1.5954 | 40.5619 | 10.3587 | 1.57556 |
| 11100 | 5.0668 | .9836  | 1.6114 | 40.8044 | 10.5067 | 1.59174 |
| 11200 | 5.0767 | .9754  | 1.6274 | 41.0459 | 10.6534 | 1.60796 |
| 11300 | 5.0863 | .9674  | 1.6431 | 41.2831 | 10.7952 | 1.62389 |
| 11400 | 5.0957 | .9595  | 1.6587 | 41.5183 | 10.9348 | 1.63977 |
| 11500 | 5.1049 | .9516  | 1.6743 | 41.7519 | 11.0721 | 1.65557 |
| 11600 | 5.1138 | .9440  | 1.6894 | 41.9794 | 11.2033 | 1.67099 |
| 11700 | 5.1225 | .9364  | 1.7044 | 42.2045 | 11.3314 | 1.68622 |

|       |        |       |        |         |         |         |
|-------|--------|-------|--------|---------|---------|---------|
| 11800 | 5.1309 | .9290 | 1.7191 | 42.4246 | 11.4547 | 1.70116 |
| 11900 | 5.1390 | .9217 | 1.7335 | 42.6414 | 11.5744 | 1.71588 |
| 12000 | 5.1469 | .9146 | 1.7474 | 42.8515 | 11.6872 | 1.73007 |
| 12100 | 5.1545 | .9076 | 1.7611 | 43.0579 | 11.7961 | 1.74402 |
| 12200 | 5.1619 | .9008 | 1.7743 | 43.2589 | 11.8997 | 1.75756 |
| 12300 | 5.1691 | .8941 | 1.7872 | 43.4559 | 11.9992 | 1.77081 |
| 12400 | 5.1759 | .8876 | 1.7996 | 43.6461 | 12.0917 | 1.78349 |
| 12500 | 5.1826 | .8812 | 1.8117 | 43.8322 | 12.1804 | 1.79589 |
| 12600 | 5.1890 | .8749 | 1.8233 | 44.0130 | 12.2638 | 1.80784 |
| 12700 | 5.1952 | .8689 | 1.8344 | 44.1882 | 12.3419 | 1.81936 |
| 12800 | 5.2012 | .8629 | 1.8451 | 44.3585 | 12.4151 | 1.83045 |
| 12900 | 5.2070 | .8571 | 1.8555 | 44.5249 | 12.4846 | 1.84124 |
| 13000 | 5.2126 | .8514 | 1.8655 | 44.6863 | 12.5494 | 1.85162 |
| 13100 | 5.2180 | .8459 | 1.8750 | 44.8431 | 12.6098 | 1.86160 |
| 13200 | 5.2232 | .8405 | 1.8842 | 44.9954 | 12.6660 | 1.87119 |
| 13300 | 5.2283 | .8352 | 1.8930 | 45.1434 | 12.7182 | 1.88043 |
| 13400 | 5.2332 | .8300 | 1.9015 | 45.2883 | 12.7675 | 1.88939 |
| 13500 | 5.2380 | .8249 | 1.9095 | 45.4283 | 12.8126 | 1.89795 |
| 13600 | 5.2426 | .8199 | 1.9173 | 45.5658 | 12.8552 | 1.90627 |
| 13700 | 5.2471 | .8150 | 1.9248 | 45.6997 | 12.8949 | 1.91429 |
| 13800 | 5.2515 | .8103 | 1.9320 | 45.8304 | 12.9317 | 1.92202 |
| 13900 | 5.2558 | .8056 | 1.9390 | 45.9589 | 12.9667 | 1.92957 |
| 14000 | 5.2600 | .8010 | 1.9456 | 46.0843 | 12.9990 | 1.93681 |
| 14100 | 5.2641 | .7964 | 1.9520 | 46.2070 | 13.0290 | 1.94388 |
| 14200 | 5.2682 | .7920 | 1.9583 | 46.3277 | 13.0577 | 1.95075 |
| 14300 | 5.2721 | .7876 | 1.9643 | 46.4463 | 13.0845 | 1.95742 |
| 14400 | 5.2760 | .7833 | 1.9701 | 46.5630 | 13.1099 | 1.96392 |
| 14500 | 5.2798 | .7791 | 1.9757 | 46.6778 | 13.1339 | 1.97027 |
| 14600 | 5.2835 | .7749 | 1.9811 | 46.7910 | 13.1568 | 1.97647 |
| 14700 | 5.2872 | .7707 | 1.9865 | 46.9033 | 13.1791 | 1.98260 |
| 14800 | 5.2909 | .7667 | 1.9917 | 47.0139 | 13.2003 | 1.98859 |
| 14900 | 5.2945 | .7626 | 1.9968 | 47.1236 | 13.2212 | 1.99451 |
| 15000 | 5.2980 | .7586 | 2.0018 | 47.2324 | 13.2415 | 2.00035 |

LOG P= 2.9

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 1500 | 3.7734  | 2.0913  | 1.1715 | 23.2899 | 3.9566 | .99983  |
| 1600 | 3.8047  | 2.0663  | 1.1633 | 23.5753 | 3.9860 | .99981  |
| 1700 | 3.8341  | 2.0428  | 1.1557 | 23.8462 | 4.0147 | .99978  |
| 1800 | 3.8619  | 2.0206  | 1.1487 | 24.1045 | 4.0423 | .99975  |
| 1900 | 3.8884  | 1.9996  | 1.1423 | 24.3517 | 4.0704 | .99973  |
| 2000 | 3.9136  | 1.9796  | 1.1362 | 24.5891 | 4.0984 | .99970  |
| 2100 | 3.9377  | 1.9606  | 1.1306 | 24.8175 | 4.1259 | .99969  |
| 2200 | 3.9609  | 1.9424  | 1.1254 | 25.0379 | 4.1543 | .99967  |
| 2300 | 3.9831  | 1.9250  | 1.1206 | 25.2510 | 4.1817 | .99967  |
| 2400 | 4.0044  | 1.9082  | 1.1161 | 25.4574 | 4.2093 | .99967  |
| 2500 | 4.0251  | 1.8921  | 1.1119 | 25.6578 | 4.2377 | .99969  |
| 2600 | 4.0450  | 1.8766  | 1.1081 | 25.8525 | 4.2656 | .99975  |
| 2700 | 4.0642  | 1.8616  | 1.1044 | 26.0420 | 4.2932 | .99982  |
| 2800 | 4.0828  | 1.8472  | 1.1011 | 26.2270 | 4.3220 | .99995  |
| 2900 | 4.1009  | 1.8331  | 1.0980 | 26.4077 | 4.3506 | 1.00012 |
| 3000 | 4.1188  | 1.8195  | 1.0952 | 26.5875 | 4.3821 | 1.00035 |
| 3100 | 4.1360  | 1.8063  | 1.0926 | 26.7611 | 4.4119 | 1.00068 |
| 3200 | 4.1527  | 1.7935  | 1.0903 | 26.9316 | 4.4416 | 1.00108 |
| 3300 | 4.1690  | 1.7809  | 1.0882 | 27.0994 | 4.4722 | 1.00160 |
| 3400 | 4.1851  | 1.7687  | 1.0864 | 27.2649 | 4.5041 | 1.00225 |
| 3500 | 4.2007  | 1.7567  | 1.0848 | 27.4281 | 4.5359 | 1.00303 |
| 3600 | 4.2162  | 1.7450  | 1.0836 | 27.5898 | 4.5695 | 1.00397 |
| 3700 | 4.2313  | 1.7335  | 1.0826 | 27.7497 | 4.6034 | 1.00509 |
| 3800 | 4.2463  | 1.7222  | 1.0819 | 27.9086 | 4.6396 | 1.00640 |
| 3900 | 4.2610  | 1.7111  | 1.0815 | 28.0665 | 4.6764 | 1.00791 |
| 4000 | 4.2755  | 1.7001  | 1.0814 | 28.2234 | 4.7140 | 1.00963 |
| 4100 | 4.2898  | 1.6893  | 1.0816 | 28.3797 | 4.7534 | 1.01159 |
| 4200 | 4.3039  | 1.6786  | 1.0821 | 28.5352 | 4.7939 | 1.01377 |

|       |        |        |        |         |        |         |
|-------|--------|--------|--------|---------|--------|---------|
| 4300  | 4.3180 | 1.6681 | 1.0830 | 28.6902 | 4.8361 | 1.01620 |
| 4400  | 4.3317 | 1.6576 | 1.0841 | 28.8445 | 4.8784 | 1.01887 |
| 4500  | 4.3454 | 1.6473 | 1.0856 | 28.9987 | 4.9228 | 1.02179 |
| 4600  | 4.3589 | 1.6370 | 1.0874 | 29.1519 | 4.9671 | 1.02494 |
| 4700  | 4.3721 | 1.6269 | 1.0894 | 29.3046 | 5.0124 | 1.02834 |
| 4800  | 4.3853 | 1.6168 | 1.0918 | 29.4567 | 5.0584 | 1.03196 |
| 4900  | 4.3982 | 1.6068 | 1.0944 | 29.6080 | 5.1053 | 1.03581 |
| 5000  | 4.4119 | 1.5969 | 1.0971 | 29.7699 | 5.1630 | 1.03975 |
| 5100  | 4.4244 | 1.5871 | 1.1002 | 29.9196 | 5.2098 | 1.04397 |
| 5200  | 4.4367 | 1.5774 | 1.1035 | 30.0678 | 5.2564 | 1.04836 |
| 5300  | 4.4488 | 1.5678 | 1.1069 | 30.2144 | 5.3029 | 1.05289 |
| 5400  | 4.4607 | 1.5582 | 1.1106 | 30.3600 | 5.3489 | 1.05755 |
| 5500  | 4.4723 | 1.5488 | 1.1143 | 30.5039 | 5.3945 | 1.06231 |
| 5600  | 4.4837 | 1.5394 | 1.1182 | 30.6463 | 5.4393 | 1.06719 |
| 5700  | 4.4949 | 1.5302 | 1.1222 | 30.7876 | 5.4836 | 1.07213 |
| 5800  | 4.5059 | 1.5211 | 1.1263 | 30.9264 | 5.5269 | 1.07710 |
| 5900  | 4.5167 | 1.5120 | 1.1305 | 31.0639 | 5.5696 | 1.08213 |
| 6000  | 4.5272 | 1.5031 | 1.1347 | 31.2000 | 5.6115 | 1.08718 |
| 6100  | 4.5376 | 1.4943 | 1.1389 | 31.3346 | 5.6527 | 1.09222 |
| 6200  | 4.5477 | 1.4857 | 1.1431 | 31.4668 | 5.6931 | 1.09726 |
| 6300  | 4.5577 | 1.4771 | 1.1474 | 31.5982 | 5.7331 | 1.10233 |
| 6400  | 4.5676 | 1.4686 | 1.1517 | 31.7288 | 5.7727 | 1.10738 |
| 6500  | 4.5773 | 1.4603 | 1.1561 | 31.8581 | 5.8123 | 1.11243 |
| 6600  | 4.5868 | 1.4520 | 1.1604 | 31.9864 | 5.8518 | 1.11750 |
| 6700  | 4.5963 | 1.4438 | 1.1648 | 32.1141 | 5.8913 | 1.12255 |
| 6800  | 4.6057 | 1.4357 | 1.1692 | 32.2421 | 5.9313 | 1.12762 |
| 6900  | 4.6150 | 1.4277 | 1.1737 | 32.3693 | 5.9719 | 1.13272 |
| 7000  | 4.6242 | 1.4198 | 1.1782 | 32.4974 | 6.0135 | 1.13787 |
| 7100  | 4.6334 | 1.4120 | 1.1828 | 32.6250 | 6.0559 | 1.14307 |
| 7200  | 4.6427 | 1.4042 | 1.1875 | 32.7538 | 6.0998 | 1.14832 |
| 7300  | 4.6519 | 1.3965 | 1.1923 | 32.8836 | 6.1452 | 1.15370 |
| 7400  | 4.6611 | 1.3888 | 1.1972 | 33.0151 | 6.1924 | 1.15915 |
| 7500  | 4.6703 | 1.3811 | 1.2022 | 33.1478 | 6.2414 | 1.16470 |
| 7600  | 4.6797 | 1.3735 | 1.2074 | 33.2822 | 6.2928 | 1.17044 |
| 7700  | 4.6890 | 1.3659 | 1.2127 | 33.4182 | 6.3464 | 1.17631 |
| 7800  | 4.6985 | 1.3583 | 1.2183 | 33.5570 | 6.4027 | 1.18237 |
| 7900  | 4.7080 | 1.3507 | 1.2241 | 33.6979 | 6.4618 | 1.18863 |
| 8000  | 4.7176 | 1.3431 | 1.2300 | 33.8415 | 6.5240 | 1.19509 |
| 8100  | 4.7273 | 1.3355 | 1.2363 | 33.9882 | 6.5892 | 1.20179 |
| 8200  | 4.7371 | 1.3280 | 1.2428 | 34.1377 | 6.6576 | 1.20872 |
| 8300  | 4.7471 | 1.3203 | 1.2495 | 34.2905 | 6.7293 | 1.21593 |
| 8400  | 4.7571 | 1.3127 | 1.2566 | 34.4469 | 6.8047 | 1.22344 |
| 8500  | 4.7673 | 1.3050 | 1.2640 | 34.6072 | 6.8840 | 1.23125 |
| 8600  | 4.7775 | 1.2973 | 1.2717 | 34.7714 | 6.9668 | 1.23937 |
| 8700  | 4.7879 | 1.2895 | 1.2798 | 34.9387 | 7.0530 | 1.24779 |
| 8800  | 4.7984 | 1.2817 | 1.2882 | 35.1100 | 7.1434 | 1.25658 |
| 8900  | 4.8090 | 1.2738 | 1.2969 | 35.2856 | 7.2380 | 1.26571 |
| 9000  | 4.8197 | 1.2660 | 1.3061 | 35.4654 | 7.3362 | 1.27521 |
| 9100  | 4.8305 | 1.2580 | 1.3156 | 35.6495 | 7.4388 | 1.28512 |
| 9200  | 4.8415 | 1.2500 | 1.3255 | 35.8375 | 7.5450 | 1.29537 |
| 9300  | 4.8524 | 1.2419 | 1.3358 | 36.0295 | 7.6545 | 1.30597 |
| 9400  | 4.8635 | 1.2338 | 1.3465 | 36.2257 | 7.7684 | 1.31699 |
| 9500  | 4.8746 | 1.2257 | 1.3576 | 36.4266 | 7.8865 | 1.32843 |
| 9600  | 4.8858 | 1.2174 | 1.3691 | 36.6313 | 8.0079 | 1.34024 |
| 9700  | 4.8970 | 1.2092 | 1.3810 | 36.8391 | 8.1323 | 1.35240 |
| 9800  | 4.9082 | 1.2009 | 1.3932 | 37.0515 | 8.2607 | 1.36498 |
| 9900  | 4.9195 | 1.1926 | 1.4058 | 37.2671 | 8.3917 | 1.37790 |
| 10000 | 4.9307 | 1.1842 | 1.4188 | 37.4858 | 8.5253 | 1.39113 |
| 10100 | 4.9420 | 1.1758 | 1.4321 | 37.7084 | 8.6622 | 1.40477 |
| 10200 | 4.9531 | 1.1674 | 1.4458 | 37.9332 | 8.8010 | 1.41869 |
| 10300 | 4.9643 | 1.1590 | 1.4598 | 38.1615 | 8.9427 | 1.43300 |
| 10400 | 4.9754 | 1.1506 | 1.4741 | 38.3917 | 9.0858 | 1.44754 |
| 10500 | 4.9864 | 1.1422 | 1.4886 | 38.6229 | 9.2297 | 1.46231 |
| 10600 | 4.9973 | 1.1338 | 1.5034 | 38.8573 | 9.3757 | 1.47738 |
| 10700 | 5.0081 | 1.1254 | 1.5184 | 39.0921 | 9.5219 | 1.49262 |
| 10800 | 5.0188 | 1.1171 | 1.5334 | 39.3276 | 9.6678 | 1.50798 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 10900 | 5.0293 | 1.1087 | 1.5488 | 39.5642 | 9.8147  | 1.52357 |
| 11000 | 5.0397 | 1.1005 | 1.5641 | 39.8004 | 9.9606  | 1.53922 |
| 11100 | 5.0499 | 1.0923 | 1.5795 | 40.0356 | 10.1050 | 1.55488 |
| 11200 | 5.0599 | 1.0842 | 1.5951 | 40.2708 | 10.2491 | 1.57068 |
| 11300 | 5.0697 | 1.0761 | 1.6104 | 40.5029 | 10.3895 | 1.58628 |
| 11400 | 5.0793 | 1.0682 | 1.6258 | 40.7341 | 10.5287 | 1.60191 |
| 11500 | 5.0887 | 1.0603 | 1.6412 | 40.9648 | 10.6667 | 1.61758 |
| 11600 | 5.0979 | 1.0526 | 1.6562 | 41.1906 | 10.7997 | 1.63294 |
| 11700 | 5.1068 | 1.0449 | 1.6712 | 41.4149 | 10.9305 | 1.64823 |
| 11800 | 5.1155 | 1.0374 | 1.6860 | 41.6354 | 11.0575 | 1.66331 |
| 11900 | 5.1241 | 1.0300 | 1.7007 | 41.8536 | 11.1820 | 1.67826 |
| 12000 | 5.1323 | 1.0227 | 1.7149 | 42.0660 | 11.3003 | 1.69279 |
| 12100 | 5.1403 | 1.0156 | 1.7289 | 42.2755 | 11.4156 | 1.70713 |
| 12200 | 5.1480 | 1.0086 | 1.7426 | 42.4804 | 11.5262 | 1.72115 |
| 12300 | 5.1556 | 1.0017 | 1.7560 | 42.6820 | 11.6333 | 1.73494 |
| 12400 | 5.1629 | .9950  | 1.7690 | 42.8774 | 11.7340 | 1.74823 |
| 12500 | 5.1699 | .9884  | 1.7816 | 43.0693 | 11.8312 | 1.76128 |
| 12600 | 5.1768 | .9820  | 1.7939 | 43.2561 | 11.9234 | 1.77393 |
| 12700 | 5.1834 | .9757  | 1.8058 | 43.4378 | 12.0106 | 1.78618 |
| 12800 | 5.1897 | .9695  | 1.8172 | 43.6147 | 12.0930 | 1.79803 |
| 12900 | 5.1959 | .9635  | 1.8284 | 43.7880 | 12.1718 | 1.80959 |
| 13000 | 5.2019 | .9576  | 1.8391 | 43.9564 | 12.2460 | 1.82078 |
| 13100 | 5.2077 | .9518  | 1.8494 | 44.1202 | 12.3156 | 1.83156 |
| 13200 | 5.2133 | .9462  | 1.8594 | 44.2794 | 12.3809 | 1.84196 |
| 13300 | 5.2188 | .9407  | 1.8689 | 44.4342 | 12.4422 | 1.85200 |
| 13400 | 5.2240 | .9353  | 1.8782 | 44.5859 | 12.5003 | 1.86176 |
| 13500 | 5.2291 | .9301  | 1.8870 | 44.7325 | 12.5539 | 1.87109 |
| 13600 | 5.2341 | .9249  | 1.8955 | 44.8763 | 12.6047 | 1.88017 |
| 13700 | 5.2389 | .9198  | 1.9037 | 45.0163 | 12.6523 | 1.88894 |
| 13800 | 5.2436 | .9149  | 1.9116 | 45.1527 | 12.6966 | 1.89739 |
| 13900 | 5.2481 | .9100  | 1.9192 | 45.2868 | 12.7388 | 1.90564 |
| 14000 | 5.2526 | .9053  | 1.9265 | 45.4172 | 12.7779 | 1.91353 |
| 14100 | 5.2569 | .9006  | 1.9336 | 45.5449 | 12.8145 | 1.92125 |
| 14200 | 5.2612 | .8960  | 1.9404 | 45.6702 | 12.8491 | 1.92872 |
| 14300 | 5.2653 | .8915  | 1.9469 | 45.7930 | 12.8815 | 1.93596 |
| 14400 | 5.2694 | .8870  | 1.9532 | 45.9134 | 12.9121 | 1.94300 |
| 14500 | 5.2733 | .8827  | 1.9593 | 46.0317 | 12.9409 | 1.94985 |
| 14600 | 5.2772 | .8784  | 1.9652 | 46.1479 | 12.9681 | 1.95652 |
| 14700 | 5.2811 | .8741  | 1.9710 | 46.2630 | 12.9945 | 1.96309 |
| 14800 | 5.2849 | .8700  | 1.9765 | 46.3759 | 13.0193 | 1.96946 |
| 14900 | 5.2886 | .8659  | 1.9820 | 46.4877 | 13.0433 | 1.97575 |
| 15000 | 5.2923 | .8618  | 1.9873 | 46.5982 | 13.0665 | 1.98192 |

LCG P= 3.0

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 1500 | 3.7769  | 2.1775  | 1.2092 | 23.0482 | 3.9889 | .99979  |
| 1600 | 3.8081  | 2.1530  | 1.1994 | 23.3352 | 4.0179 | .99976  |
| 1700 | 3.8375  | 2.1300  | 1.1903 | 23.6075 | 4.0459 | .99973  |
| 1800 | 3.8652  | 2.1083  | 1.1819 | 23.8670 | 4.0730 | .99970  |
| 1900 | 3.8916  | 2.0876  | 1.1741 | 24.1152 | 4.1003 | .99967  |
| 2000 | 3.9167  | 2.0681  | 1.1669 | 24.3534 | 4.1277 | .99964  |
| 2100 | 3.9407  | 2.0494  | 1.1602 | 24.5825 | 4.1545 | .99962  |
| 2200 | 3.9638  | 2.0315  | 1.1540 | 24.8034 | 4.1822 | .99959  |
| 2300 | 3.9859  | 2.0144  | 1.1482 | 25.0170 | 4.2089 | .99959  |
| 2400 | 4.0071  | 1.9980  | 1.1428 | 25.2238 | 4.2358 | .99958  |
| 2500 | 4.0277  | 1.9822  | 1.1377 | 25.4244 | 4.2633 | .99960  |
| 2600 | 4.0475  | 1.9670  | 1.1330 | 25.6193 | 4.2904 | .99964  |
| 2700 | 4.0666  | 1.9523  | 1.1285 | 25.8090 | 4.3172 | .99971  |
| 2800 | 4.0852  | 1.9380  | 1.1244 | 25.9939 | 4.3450 | .99981  |
| 2900 | 4.1031  | 1.9243  | 1.1206 | 26.1744 | 4.3726 | .99996  |
| 3000 | 4.1209  | 1.9109  | 1.1171 | 26.3538 | 4.4030 | 1.00017 |
| 3100 | 4.1379  | 1.8979  | 1.1139 | 26.5269 | 4.4317 | 1.00046 |
| 3200 | 4.1545  | 1.8853  | 1.1109 | 26.6968 | 4.4601 | 1.00081 |
| 3300 | 4.1707  | 1.8730  | 1.1082 | 26.8637 | 4.4892 | 1.00127 |

|      |        |        |        |         |        |         |
|------|--------|--------|--------|---------|--------|---------|
| 3400 | 4.1866 | 1.8610 | 1.1058 | 27.0280 | 4.5195 | 1.00185 |
| 3500 | 4.2020 | 1.8492 | 1.1037 | 27.1899 | 4.5495 | 1.00255 |
| 3600 | 4.2173 | 1.8377 | 1.1018 | 27.3500 | 4.5812 | 1.00339 |
| 3700 | 4.2322 | 1.8264 | 1.1003 | 27.5081 | 4.6130 | 1.00438 |
| 3800 | 4.2470 | 1.8154 | 1.0990 | 27.6649 | 4.6469 | 1.00555 |
| 3900 | 4.2614 | 1.8045 | 1.0980 | 27.8204 | 4.6812 | 1.00690 |
| 4000 | 4.2756 | 1.7937 | 1.0974 | 27.9747 | 4.7161 | 1.00845 |
| 4100 | 4.2897 | 1.7832 | 1.0970 | 28.1282 | 4.7527 | 1.01020 |
| 4200 | 4.3036 | 1.7727 | 1.0969 | 28.2806 | 4.7901 | 1.01216 |
| 4300 | 4.3173 | 1.7624 | 1.0972 | 28.4324 | 4.8292 | 1.01434 |
| 4400 | 4.3308 | 1.7522 | 1.0977 | 28.5832 | 4.8682 | 1.01674 |
| 4500 | 4.3442 | 1.7421 | 1.0985 | 28.7338 | 4.9093 | 1.01938 |
| 4600 | 4.3574 | 1.7321 | 1.0997 | 28.8832 | 4.9501 | 1.02223 |
| 4700 | 4.3704 | 1.7222 | 1.1011 | 29.0321 | 4.9919 | 1.02531 |
| 4800 | 4.3832 | 1.7124 | 1.1028 | 29.1802 | 5.0345 | 1.02860 |
| 4900 | 4.3959 | 1.7027 | 1.1048 | 29.3276 | 5.0779 | 1.03211 |
| 5000 | 4.4093 | 1.6930 | 1.1070 | 29.4857 | 5.1325 | 1.03572 |
| 5100 | 4.4216 | 1.6835 | 1.1094 | 29.6315 | 5.1761 | 1.03959 |
| 5200 | 4.4336 | 1.6740 | 1.1121 | 29.7759 | 5.2195 | 1.04362 |
| 5300 | 4.4455 | 1.6646 | 1.1150 | 29.9189 | 5.2631 | 1.04781 |
| 5400 | 4.4572 | 1.6553 | 1.1180 | 30.0609 | 5.3062 | 1.05214 |
| 5500 | 4.4687 | 1.6461 | 1.1213 | 30.2013 | 5.3493 | 1.05657 |
| 5600 | 4.4799 | 1.6369 | 1.1247 | 30.3405 | 5.3916 | 1.06114 |
| 5700 | 4.4910 | 1.6279 | 1.1282 | 30.4787 | 5.4338 | 1.06578 |
| 5800 | 4.5018 | 1.6190 | 1.1318 | 30.6146 | 5.4750 | 1.07048 |
| 5900 | 4.5125 | 1.6101 | 1.1354 | 30.7493 | 5.5158 | 1.07524 |
| 6000 | 4.5229 | 1.6014 | 1.1392 | 30.8828 | 5.5560 | 1.08005 |
| 6100 | 4.5332 | 1.5928 | 1.1430 | 31.0149 | 5.5957 | 1.08487 |
| 6200 | 4.5433 | 1.5842 | 1.1469 | 31.1448 | 5.6347 | 1.08971 |
| 6300 | 4.5532 | 1.5758 | 1.1508 | 31.2738 | 5.6733 | 1.09458 |
| 6400 | 4.5629 | 1.5675 | 1.1548 | 31.4021 | 5.7115 | 1.09947 |
| 6500 | 4.5726 | 1.5592 | 1.1588 | 31.5291 | 5.7497 | 1.10435 |
| 6600 | 4.5821 | 1.5511 | 1.1628 | 31.6550 | 5.7877 | 1.10926 |
| 6700 | 4.5914 | 1.5431 | 1.1669 | 31.7802 | 5.8258 | 1.11416 |
| 6800 | 4.6007 | 1.5351 | 1.1710 | 31.9056 | 5.8642 | 1.11909 |
| 6900 | 4.6099 | 1.5272 | 1.1751 | 32.0300 | 5.9029 | 1.12404 |
| 7000 | 4.6191 | 1.5194 | 1.1793 | 32.1551 | 5.9425 | 1.12902 |
| 7100 | 4.6282 | 1.5117 | 1.1836 | 32.2794 | 5.9827 | 1.13405 |
| 7200 | 4.6372 | 1.5040 | 1.1880 | 32.4047 | 6.0241 | 1.13913 |
| 7300 | 4.6463 | 1.4964 | 1.1924 | 32.5306 | 6.0667 | 1.14432 |
| 7400 | 4.6553 | 1.4888 | 1.1970 | 32.6579 | 6.1107 | 1.14956 |
| 7500 | 4.6644 | 1.4813 | 1.2016 | 32.7860 | 6.1563 | 1.15488 |
| 7600 | 4.6735 | 1.4738 | 1.2065 | 32.9155 | 6.2039 | 1.16036 |
| 7700 | 4.6826 | 1.4664 | 1.2114 | 33.0461 | 6.2534 | 1.16596 |
| 7800 | 4.6918 | 1.4589 | 1.2166 | 33.1791 | 6.3051 | 1.17171 |
| 7900 | 4.7010 | 1.4515 | 1.2219 | 33.3139 | 6.3592 | 1.17762 |
| 8000 | 4.7104 | 1.4441 | 1.2274 | 33.4508 | 6.4161 | 1.18372 |
| 8100 | 4.7198 | 1.4367 | 1.2331 | 33.5903 | 6.4755 | 1.19001 |
| 8200 | 4.7292 | 1.4293 | 1.2390 | 33.7321 | 6.5376 | 1.19651 |
| 8300 | 4.7388 | 1.4218 | 1.2452 | 33.8768 | 6.6028 | 1.20324 |
| 8400 | 4.7485 | 1.4144 | 1.2517 | 34.0246 | 6.6712 | 1.21024 |
| 8500 | 4.7583 | 1.4069 | 1.2584 | 34.1758 | 6.7430 | 1.21749 |
| 8600 | 4.7682 | 1.3994 | 1.2655 | 34.3305 | 6.8179 | 1.22502 |
| 8700 | 4.7781 | 1.3919 | 1.2728 | 34.4877 | 6.8958 | 1.23281 |
| 8800 | 4.7882 | 1.3843 | 1.2804 | 34.6485 | 6.9776 | 1.24094 |
| 8900 | 4.7984 | 1.3767 | 1.2884 | 34.8131 | 7.0630 | 1.24936 |
| 9000 | 4.8087 | 1.3691 | 1.2967 | 34.9815 | 7.1518 | 1.25811 |
| 9100 | 4.8191 | 1.3614 | 1.3054 | 35.1537 | 7.2447 | 1.26724 |
| 9200 | 4.8295 | 1.3537 | 1.3144 | 35.3295 | 7.3409 | 1.27667 |
| 9300 | 4.8401 | 1.3459 | 1.3237 | 35.5089 | 7.4402 | 1.28642 |
| 9400 | 4.8507 | 1.3381 | 1.3334 | 35.6923 | 7.5435 | 1.29656 |
| 9500 | 4.8614 | 1.3302 | 1.3435 | 35.8799 | 7.6507 | 1.30708 |
| 9600 | 4.8722 | 1.3223 | 1.3540 | 36.0712 | 7.7612 | 1.31795 |
| 9700 | 4.8830 | 1.3143 | 1.3648 | 36.2654 | 7.8747 | 1.32915 |
| 9800 | 4.8939 | 1.3063 | 1.3761 | 36.4640 | 7.9920 | 1.34077 |
| 9900 | 4.9048 | 1.2983 | 1.3876 | 36.6658 | 8.1120 | 1.35269 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 10000 | 4.9156 | 1.2902 | 1.3995 | 36.8707 | 8.2345  | 1.36493 |
| 10100 | 4.9266 | 1.2821 | 1.4118 | 37.0795 | 8.3606  | 1.37756 |
| 10200 | 4.9375 | 1.2739 | 1.4243 | 37.2906 | 8.4887  | 1.39048 |
| 10300 | 4.9484 | 1.2658 | 1.4373 | 37.5054 | 8.6201  | 1.40379 |
| 10400 | 4.9592 | 1.2576 | 1.4505 | 37.7224 | 8.7532  | 1.41736 |
| 10500 | 4.9700 | 1.2494 | 1.4640 | 37.9408 | 8.8875  | 1.43117 |
| 10600 | 4.9807 | 1.2412 | 1.4778 | 38.1628 | 9.0244  | 1.44532 |
| 10700 | 4.9914 | 1.2330 | 1.4919 | 38.3857 | 9.1621  | 1.45967 |
| 10800 | 5.0019 | 1.2249 | 1.5061 | 38.6100 | 9.3002  | 1.47419 |
| 10900 | 5.0124 | 1.2167 | 1.5205 | 38.8360 | 9.4399  | 1.48899 |
| 11000 | 5.0227 | 1.2086 | 1.5351 | 39.0623 | 9.5794  | 1.50390 |
| 11100 | 5.0329 | 1.2005 | 1.5498 | 39.2886 | 9.7184  | 1.51889 |
| 11200 | 5.0430 | 1.1925 | 1.5647 | 39.5157 | 9.8579  | 1.53410 |
| 11300 | 5.0529 | 1.1846 | 1.5795 | 39.7408 | 9.9947  | 1.54920 |
| 11400 | 5.0626 | 1.1767 | 1.5944 | 39.9659 | 10.1313 | 1.56441 |
| 11500 | 5.0722 | 1.1688 | 1.6094 | 40.1915 | 10.2676 | 1.57972 |
| 11600 | 5.0815 | 1.1611 | 1.6241 | 40.4131 | 10.3999 | 1.59483 |
| 11700 | 5.0907 | 1.1534 | 1.6389 | 40.6343 | 10.5310 | 1.60994 |
| 11800 | 5.0996 | 1.1459 | 1.6536 | 40.8527 | 10.6593 | 1.62495 |
| 11900 | 5.1084 | 1.1384 | 1.6682 | 41.0697 | 10.7858 | 1.63991 |
| 12000 | 5.1169 | 1.1310 | 1.6824 | 41.2819 | 10.9072 | 1.65451 |
| 12100 | 5.1252 | 1.1238 | 1.6966 | 41.4921 | 11.0264 | 1.66903 |
| 12200 | 5.1333 | 1.1167 | 1.7105 | 41.6986 | 11.1417 | 1.68331 |
| 12300 | 5.1412 | 1.1097 | 1.7242 | 41.9027 | 11.2543 | 1.69743 |
| 12400 | 5.1488 | 1.1028 | 1.7375 | 42.1011 | 11.3611 | 1.71113 |
| 12500 | 5.1563 | 1.0960 | 1.7506 | 42.2968 | 11.4651 | 1.72465 |
| 12600 | 5.1635 | 1.0894 | 1.7634 | 42.4881 | 11.5647 | 1.73784 |
| 12700 | 5.1705 | 1.0830 | 1.7758 | 42.6746 | 11.6596 | 1.75067 |
| 12800 | 5.1773 | 1.0766 | 1.7879 | 42.8570 | 11.7502 | 1.76315 |
| 12900 | 5.1839 | 1.0704 | 1.7997 | 43.0361 | 11.8374 | 1.77539 |
| 13000 | 5.1902 | 1.0643 | 1.8111 | 43.2106 | 11.9203 | 1.78729 |
| 13100 | 5.1964 | 1.0583 | 1.8221 | 43.3807 | 11.9988 | 1.79881 |
| 13200 | 5.2024 | 1.0525 | 1.8328 | 43.5464 | 12.0729 | 1.80996 |
| 13300 | 5.2082 | 1.0468 | 1.8430 | 43.7077 | 12.1430 | 1.82076 |
| 13400 | 5.2138 | 1.0412 | 1.8530 | 43.8660 | 12.2100 | 1.83130 |
| 13500 | 5.2193 | 1.0357 | 1.8626 | 44.0191 | 12.2721 | 1.84140 |
| 13600 | 5.2246 | 1.0303 | 1.8719 | 44.1693 | 12.3315 | 1.85126 |
| 13700 | 5.2297 | 1.0251 | 1.8808 | 44.3157 | 12.3873 | 1.86079 |
| 13800 | 5.2347 | 1.0199 | 1.8894 | 44.4583 | 12.4398 | 1.86999 |
| 13900 | 5.2396 | 1.0149 | 1.8978 | 44.5984 | 12.4898 | 1.87898 |
| 14000 | 5.2443 | 1.0100 | 1.9057 | 44.7345 | 12.5362 | 1.88758 |
| 14100 | 5.2489 | 1.0051 | 1.9134 | 44.8677 | 12.5800 | 1.89600 |
| 14200 | 5.2534 | 1.0004 | 1.9209 | 44.9981 | 12.6215 | 1.90415 |
| 14300 | 5.2578 | .9957  | 1.9280 | 45.1258 | 12.6603 | 1.91202 |
| 14400 | 5.2621 | .9911  | 1.9349 | 45.2508 | 12.6970 | 1.91967 |
| 14500 | 5.2663 | .9866  | 1.9416 | 45.3732 | 12.7315 | 1.92710 |
| 14600 | 5.2703 | .9822  | 1.9480 | 45.4933 | 12.7640 | 1.93431 |
| 14700 | 5.2744 | .9779  | 1.9542 | 45.6120 | 12.7954 | 1.94141 |
| 14800 | 5.2783 | .9736  | 1.9602 | 45.7281 | 12.8247 | 1.94826 |
| 14900 | 5.2822 | .9694  | 1.9661 | 45.8429 | 12.8531 | 1.95501 |
| 15000 | 5.2860 | .9652  | 1.9717 | 45.9560 | 12.8801 | 1.96161 |

LOG P= 3.1

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*     |
|------|---------|---------|--------|---------|--------|--------|
| 1500 | 3.7811  | 2.2618  | 1.2540 | 22.8029 | 4.0273 | .99974 |
| 1600 | 3.8122  | 2.2378  | 1.2423 | 23.0920 | 4.0558 | .99970 |
| 1700 | 3.8415  | 2.2153  | 1.2315 | 23.3660 | 4.0833 | .99967 |
| 1800 | 3.8691  | 2.1940  | 1.2215 | 23.6269 | 4.1096 | .99963 |
| 1900 | 3.8954  | 2.1738  | 1.2123 | 23.8764 | 4.1362 | .99959 |
| 2000 | 3.9204  | 2.1546  | 1.2036 | 24.1156 | 4.1628 | .99956 |
| 2100 | 3.9443  | 2.1363  | 1.1956 | 24.3457 | 4.1887 | .99953 |
| 2200 | 3.9673  | 2.1188  | 1.1881 | 24.5674 | 4.2156 | .99950 |
| 2300 | 3.9892  | 2.1021  | 1.1812 | 24.7816 | 4.2415 | .99949 |
| 2400 | 4.0104  | 2.0860  | 1.1747 | 24.9889 | 4.2675 | .99948 |

|      |        |        |        |         |        |         |
|------|--------|--------|--------|---------|--------|---------|
| 2500 | 4.0308 | 2.0705 | 1.1686 | 25.1900 | 4.2942 | .99949  |
| 2600 | 4.0505 | 2.0556 | 1.1629 | 25.3851 | 4.3205 | .99952  |
| 2700 | 4.0695 | 2.0412 | 1.1576 | 25.5750 | 4.3463 | .99958  |
| 2800 | 4.0880 | 2.0273 | 1.1526 | 25.7600 | 4.3732 | .99966  |
| 2900 | 4.1058 | 2.0138 | 1.1480 | 25.9404 | 4.3997 | .99979  |
| 3000 | 4.1234 | 2.0007 | 1.1437 | 26.1196 | 4.4290 | .99997  |
| 3100 | 4.1404 | 1.9880 | 1.1397 | 26.2923 | 4.4564 | 1.00022 |
| 3200 | 4.1568 | 1.9756 | 1.1360 | 26.4616 | 4.4835 | 1.00054 |
| 3300 | 4.1728 | 1.9636 | 1.1326 | 26.6278 | 4.5113 | 1.00095 |
| 3400 | 4.1885 | 1.9518 | 1.1295 | 26.7912 | 4.5400 | 1.00145 |
| 3500 | 4.2038 | 1.9403 | 1.1267 | 26.9519 | 4.5683 | 1.00208 |
| 3600 | 4.2189 | 1.9290 | 1.1242 | 27.1106 | 4.5981 | 1.00283 |
| 3700 | 4.2336 | 1.9180 | 1.1219 | 27.2672 | 4.6278 | 1.00372 |
| 3800 | 4.2481 | 1.9071 | 1.1200 | 27.4221 | 4.6595 | 1.00476 |
| 3900 | 4.2624 | 1.8965 | 1.1184 | 27.5756 | 4.6915 | 1.00597 |
| 4000 | 4.2764 | 1.8860 | 1.1171 | 27.7276 | 4.7238 | 1.00735 |
| 4100 | 4.2902 | 1.8757 | 1.1161 | 27.8785 | 4.7577 | 1.00892 |
| 4200 | 4.3038 | 1.8655 | 1.1154 | 28.0282 | 4.7923 | 1.01067 |
| 4300 | 4.3173 | 1.8554 | 1.1150 | 28.1771 | 4.8284 | 1.01264 |
| 4400 | 4.3305 | 1.8455 | 1.1149 | 28.3247 | 4.8644 | 1.01480 |
| 4500 | 4.3436 | 1.8356 | 1.1151 | 28.4720 | 4.9023 | 1.01717 |
| 4600 | 4.3565 | 1.8259 | 1.1156 | 28.6180 | 4.9399 | 1.01975 |
| 4700 | 4.3692 | 1.8162 | 1.1164 | 28.7633 | 4.9784 | 1.02253 |
| 4800 | 4.3818 | 1.8067 | 1.1175 | 28.9077 | 5.0177 | 1.02552 |
| 4900 | 4.3942 | 1.7972 | 1.1188 | 29.0514 | 5.0578 | 1.02871 |
| 5000 | 4.4073 | 1.7879 | 1.1203 | 29.2060 | 5.1092 | 1.03200 |
| 5100 | 4.4193 | 1.7785 | 1.1221 | 29.3481 | 5.1496 | 1.03554 |
| 5200 | 4.4312 | 1.7693 | 1.1241 | 29.4889 | 5.1899 | 1.03924 |
| 5300 | 4.4428 | 1.7602 | 1.1264 | 29.6283 | 5.2305 | 1.04309 |
| 5400 | 4.4543 | 1.7511 | 1.1289 | 29.7668 | 5.2708 | 1.04710 |
| 5500 | 4.4656 | 1.7421 | 1.1315 | 29.9040 | 5.3112 | 1.05121 |
| 5600 | 4.4766 | 1.7332 | 1.1343 | 30.0398 | 5.3510 | 1.05546 |
| 5700 | 4.4875 | 1.7244 | 1.1372 | 30.1750 | 5.3908 | 1.05979 |
| 5800 | 4.4982 | 1.7157 | 1.1403 | 30.3079 | 5.4298 | 1.06421 |
| 5900 | 4.5087 | 1.7071 | 1.1435 | 30.4398 | 5.4686 | 1.06870 |
| 6000 | 4.5191 | 1.6985 | 1.1467 | 30.5705 | 5.5069 | 1.07324 |
| 6100 | 4.5292 | 1.6901 | 1.1501 | 30.7000 | 5.5447 | 1.07783 |
| 6200 | 4.5392 | 1.6817 | 1.1535 | 30.8274 | 5.5820 | 1.08244 |
| 6300 | 4.5490 | 1.6735 | 1.1570 | 30.9540 | 5.6191 | 1.08710 |
| 6400 | 4.5587 | 1.6653 | 1.1605 | 31.0799 | 5.6558 | 1.09178 |
| 6500 | 4.5682 | 1.6572 | 1.1641 | 31.2045 | 5.6925 | 1.09647 |
| 6600 | 4.5776 | 1.6492 | 1.1678 | 31.3279 | 5.7290 | 1.10121 |
| 6700 | 4.5869 | 1.6413 | 1.1715 | 31.4508 | 5.7654 | 1.10594 |
| 6800 | 4.5961 | 1.6335 | 1.1753 | 31.5735 | 5.8022 | 1.11069 |
| 6900 | 4.6052 | 1.6258 | 1.1791 | 31.6953 | 5.8392 | 1.11548 |
| 7000 | 4.6142 | 1.6181 | 1.1830 | 31.8175 | 5.8768 | 1.12030 |
| 7100 | 4.6232 | 1.6105 | 1.1869 | 31.9387 | 5.9149 | 1.12516 |
| 7200 | 4.6321 | 1.6029 | 1.1909 | 32.0608 | 5.9540 | 1.13006 |
| 7300 | 4.6410 | 1.5955 | 1.1950 | 32.1832 | 5.9941 | 1.13505 |
| 7400 | 4.6499 | 1.5880 | 1.1992 | 32.3066 | 6.0353 | 1.14010 |
| 7500 | 4.6588 | 1.5806 | 1.2035 | 32.4306 | 6.0778 | 1.14520 |
| 7600 | 4.6677 | 1.5733 | 1.2079 | 32.5557 | 6.1219 | 1.15043 |
| 7700 | 4.6766 | 1.5660 | 1.2124 | 32.6815 | 6.1677 | 1.15578 |
| 7800 | 4.6856 | 1.5587 | 1.2172 | 32.8093 | 6.2154 | 1.16125 |
| 7900 | 4.6946 | 1.5514 | 1.2220 | 32.9385 | 6.2652 | 1.16686 |
| 8000 | 4.7036 | 1.5442 | 1.2270 | 33.0694 | 6.3172 | 1.17262 |
| 8100 | 4.7127 | 1.5370 | 1.2323 | 33.2025 | 6.3715 | 1.17855 |
| 8200 | 4.7219 | 1.5297 | 1.2377 | 33.3375 | 6.4281 | 1.18464 |
| 8300 | 4.7312 | 1.5225 | 1.2433 | 33.4750 | 6.4874 | 1.19095 |
| 8400 | 4.7405 | 1.5152 | 1.2492 | 33.6151 | 6.5495 | 1.19749 |
| 8500 | 4.7499 | 1.5080 | 1.2553 | 33.7580 | 6.6146 | 1.20425 |
| 8600 | 4.7594 | 1.5007 | 1.2617 | 33.9042 | 6.6824 | 1.21125 |
| 8700 | 4.7690 | 1.4934 | 1.2683 | 34.0524 | 6.7530 | 1.21848 |
| 8800 | 4.7787 | 1.4861 | 1.2752 | 34.2037 | 6.8269 | 1.22600 |
| 8900 | 4.7885 | 1.4787 | 1.2824 | 34.3584 | 6.9042 | 1.23379 |
| 9000 | 4.7984 | 1.4713 | 1.2900 | 34.5165 | 6.9846 | 1.24187 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 9100  | 4.8084 | 1.4639 | 1.2978 | 34.6779 | 7.0686  | 1.25029 |
| 9200  | 4.8184 | 1.4564 | 1.3060 | 34.8426 | 7.1556  | 1.25899 |
| 9300  | 4.8286 | 1.4489 | 1.3144 | 35.0106 | 7.2454  | 1.26796 |
| 9400  | 4.8388 | 1.4414 | 1.3233 | 35.1821 | 7.3391  | 1.27729 |
| 9500  | 4.8491 | 1.4338 | 1.3324 | 35.3575 | 7.4364  | 1.28697 |
| 9600  | 4.8595 | 1.4261 | 1.3420 | 35.5363 | 7.5367  | 1.29697 |
| 9700  | 4.8699 | 1.4185 | 1.3518 | 35.7179 | 7.6398  | 1.30727 |
| 9800  | 4.8803 | 1.4107 | 1.3620 | 35.9035 | 7.7467  | 1.31797 |
| 9900  | 4.8908 | 1.4030 | 1.3725 | 36.0922 | 7.8561  | 1.32895 |
| 10000 | 4.9014 | 1.3952 | 1.3834 | 36.2839 | 7.9682  | 1.34024 |
| 10100 | 4.9119 | 1.3874 | 1.3946 | 36.4795 | 8.0837  | 1.35190 |
| 10200 | 4.9225 | 1.3795 | 1.4061 | 36.6774 | 8.2014  | 1.36386 |
| 10300 | 4.9331 | 1.3716 | 1.4180 | 36.8789 | 8.3224  | 1.37620 |
| 10400 | 4.9437 | 1.3637 | 1.4302 | 37.0830 | 8.4453  | 1.38879 |
| 10500 | 4.9542 | 1.3558 | 1.4427 | 37.2886 | 8.5699  | 1.40165 |
| 10600 | 4.9647 | 1.3478 | 1.4555 | 37.4980 | 8.6973  | 1.41485 |
| 10700 | 4.9751 | 1.3399 | 1.4685 | 37.7087 | 8.8258  | 1.42828 |
| 10800 | 4.9855 | 1.3320 | 1.4817 | 37.9213 | 8.9554  | 1.44191 |
| 10900 | 4.9959 | 1.3240 | 1.4953 | 38.1360 | 9.0870  | 1.45585 |
| 11000 | 5.0061 | 1.3161 | 1.5090 | 38.3516 | 9.2190  | 1.46995 |
| 11100 | 5.0162 | 1.3082 | 1.5228 | 38.5678 | 9.3511  | 1.48417 |
| 11200 | 5.0262 | 1.3003 | 1.5369 | 38.7854 | 9.4845  | 1.49866 |
| 11300 | 5.0361 | 1.2925 | 1.5510 | 39.0019 | 9.6160  | 1.51310 |
| 11400 | 5.0458 | 1.2847 | 1.5652 | 39.2190 | 9.7480  | 1.52771 |
| 11500 | 5.0555 | 1.2769 | 1.5796 | 39.4374 | 9.8804  | 1.54250 |
| 11600 | 5.0649 | 1.2692 | 1.5939 | 39.6528 | 10.0099 | 1.55715 |
| 11700 | 5.0742 | 1.2616 | 1.6082 | 39.8687 | 10.1391 | 1.57190 |
| 11800 | 5.0833 | 1.2541 | 1.6226 | 40.0827 | 10.2664 | 1.58661 |
| 11900 | 5.0923 | 1.2466 | 1.6369 | 40.2962 | 10.3927 | 1.60136 |
| 12000 | 5.1010 | 1.2392 | 1.6510 | 40.5058 | 10.5149 | 1.61584 |
| 12100 | 5.1096 | 1.2319 | 1.6650 | 40.7143 | 10.6357 | 1.63031 |
| 12200 | 5.1179 | 1.2248 | 1.6789 | 40.9201 | 10.7535 | 1.64463 |
| 12300 | 5.1261 | 1.2177 | 1.6928 | 41.1243 | 10.8695 | 1.65887 |
| 12400 | 5.1340 | 1.2107 | 1.7062 | 41.3237 | 10.9804 | 1.67276 |
| 12500 | 5.1418 | 1.2038 | 1.7195 | 41.5211 | 11.0892 | 1.68656 |
| 12600 | 5.1494 | 1.1971 | 1.7326 | 41.7149 | 11.1941 | 1.70008 |
| 12700 | 5.1567 | 1.1905 | 1.7454 | 41.9045 | 11.2951 | 1.71332 |
| 12800 | 5.1638 | 1.1840 | 1.7578 | 42.0905 | 11.3920 | 1.72626 |
| 12900 | 5.1708 | 1.1776 | 1.7701 | 42.2738 | 11.4862 | 1.73902 |
| 13000 | 5.1775 | 1.1713 | 1.7820 | 42.4529 | 11.5765 | 1.75148 |
| 13100 | 5.1841 | 1.1652 | 1.7936 | 42.6281 | 11.6625 | 1.76360 |
| 13200 | 5.1904 | 1.1591 | 1.8049 | 42.7992 | 11.7445 | 1.77539 |
| 13300 | 5.1966 | 1.1532 | 1.8158 | 42.9660 | 11.8226 | 1.78686 |
| 13400 | 5.2026 | 1.1474 | 1.8264 | 43.1302 | 11.8977 | 1.79809 |
| 13500 | 5.2084 | 1.1418 | 1.8366 | 43.2891 | 11.9680 | 1.80890 |
| 13600 | 5.2140 | 1.1362 | 1.8466 | 43.4454 | 12.0357 | 1.81948 |
| 13700 | 5.2195 | 1.1308 | 1.8562 | 43.5978 | 12.0996 | 1.82974 |
| 13800 | 5.2248 | 1.1255 | 1.8655 | 43.7463 | 12.1600 | 1.83967 |
| 13900 | 5.2300 | 1.1202 | 1.8745 | 43.8924 | 12.2181 | 1.84940 |
| 14000 | 5.2351 | 1.1151 | 1.8831 | 44.0343 | 12.2723 | 1.85872 |
| 14100 | 5.2400 | 1.1101 | 1.8915 | 44.1732 | 12.3237 | 1.86785 |
| 14200 | 5.2448 | 1.1052 | 1.8996 | 44.3092 | 12.3725 | 1.87670 |
| 14300 | 5.2494 | 1.1004 | 1.9074 | 44.4423 | 12.4184 | 1.88526 |
| 14400 | 5.2540 | 1.0956 | 1.9150 | 44.5724 | 12.4619 | 1.89359 |
| 14500 | 5.2584 | 1.0910 | 1.9222 | 44.6997 | 12.5029 | 1.90166 |
| 14600 | 5.2627 | 1.0864 | 1.9292 | 44.8245 | 12.5416 | 1.90949 |
| 14700 | 5.2670 | 1.0819 | 1.9360 | 44.9476 | 12.5789 | 1.91719 |
| 14800 | 5.2711 | 1.0775 | 1.9425 | 45.0677 | 12.6137 | 1.92461 |
| 14900 | 5.2752 | 1.0732 | 1.9489 | 45.1863 | 12.6473 | 1.93191 |
| 15000 | 5.2792 | 1.0689 | 1.9550 | 45.3030 | 12.6792 | 1.93902 |

LOG P= 3.2

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*     |
|------|---------|---------|--------|---------|--------|--------|
| 1500 | 3.7860  | 2.3440  | 1.3067 | 22.5536 | 4.0726 | .99967 |

|      |        |        |        |         |        |         |
|------|--------|--------|--------|---------|--------|---------|
| 1600 | 3.8170 | 2.3205 | 1.2930 | 22.8450 | 4.1006 | .99962  |
| 1700 | 3.8461 | 2.2985 | 1.2803 | 23.1210 | 4.1274 | .99957  |
| 1800 | 3.8736 | 2.2777 | 1.2685 | 23.3837 | 4.1530 | .99953  |
| 1900 | 3.8998 | 2.2579 | 1.2575 | 23.6347 | 4.1788 | .99948  |
| 2000 | 3.9247 | 2.2392 | 1.2473 | 23.8752 | 4.2045 | .99944  |
| 2100 | 3.9485 | 2.2213 | 1.2378 | 24.1064 | 4.2295 | .99940  |
| 2200 | 3.9714 | 2.2042 | 1.2289 | 24.3291 | 4.2555 | .99937  |
| 2300 | 3.9932 | 2.1878 | 1.2206 | 24.5441 | 4.2804 | .99935  |
| 2400 | 4.0142 | 2.1721 | 1.2128 | 24.7521 | 4.3055 | .99934  |
| 2500 | 4.0346 | 2.1570 | 1.2056 | 24.9538 | 4.3313 | .99934  |
| 2600 | 4.0541 | 2.1424 | 1.1988 | 25.1494 | 4.3566 | .99936  |
| 2700 | 4.0730 | 2.1283 | 1.1924 | 25.3396 | 4.3813 | .99941  |
| 2800 | 4.0913 | 2.1147 | 1.1864 | 25.5248 | 4.4072 | .99948  |
| 2900 | 4.1091 | 2.1015 | 1.1808 | 25.7053 | 4.4326 | .99960  |
| 3000 | 4.1265 | 2.0887 | 1.1756 | 25.8844 | 4.4607 | .99975  |
| 3100 | 4.1433 | 2.0763 | 1.1708 | 26.0568 | 4.4870 | .99997  |
| 3200 | 4.1596 | 2.0642 | 1.1663 | 26.2257 | 4.5127 | 1.00025 |
| 3300 | 4.1755 | 2.0524 | 1.1620 | 26.3913 | 4.5390 | 1.00061 |
| 3400 | 4.1910 | 2.0409 | 1.1581 | 26.5540 | 4.5662 | 1.00105 |
| 3500 | 4.2061 | 2.0297 | 1.1546 | 26.7138 | 4.5927 | 1.00161 |
| 3600 | 4.2210 | 2.0187 | 1.1513 | 26.8713 | 4.6207 | 1.00229 |
| 3700 | 4.2355 | 2.0079 | 1.1483 | 27.0265 | 4.6485 | 1.00307 |
| 3800 | 4.2499 | 1.9973 | 1.1457 | 27.1799 | 4.6780 | 1.00400 |
| 3900 | 4.2639 | 1.9869 | 1.1434 | 27.3316 | 4.7078 | 1.00509 |
| 4000 | 4.2776 | 1.9767 | 1.1413 | 27.4815 | 4.7377 | 1.00632 |
| 4100 | 4.2912 | 1.9666 | 1.1396 | 27.6302 | 4.7691 | 1.00773 |
| 4200 | 4.3046 | 1.9567 | 1.1382 | 27.7775 | 4.8009 | 1.00930 |
| 4300 | 4.3178 | 1.9469 | 1.1371 | 27.9237 | 4.8342 | 1.01106 |
| 4400 | 4.3307 | 1.9372 | 1.1363 | 28.0685 | 4.8673 | 1.01300 |
| 4500 | 4.3436 | 1.9276 | 1.1358 | 28.2128 | 4.9022 | 1.01514 |
| 4600 | 4.3562 | 1.9181 | 1.1356 | 28.3558 | 4.9368 | 1.01747 |
| 4700 | 4.3686 | 1.9088 | 1.1357 | 28.4978 | 4.9721 | 1.01998 |
| 4800 | 4.3809 | 1.8995 | 1.1361 | 28.6389 | 5.0082 | 1.02268 |
| 4900 | 4.3931 | 1.8903 | 1.1367 | 28.7792 | 5.0451 | 1.02558 |
| 5000 | 4.4060 | 1.8812 | 1.1376 | 28.9305 | 5.0936 | 1.02857 |
| 5100 | 4.4178 | 1.8721 | 1.1387 | 29.0692 | 5.1308 | 1.03180 |
| 5200 | 4.4295 | 1.8632 | 1.1401 | 29.2065 | 5.1681 | 1.03518 |
| 5300 | 4.4408 | 1.8543 | 1.1417 | 29.3425 | 5.2057 | 1.03872 |
| 5400 | 4.4520 | 1.8455 | 1.1435 | 29.4777 | 5.2431 | 1.04240 |
| 5500 | 4.4631 | 1.8368 | 1.1455 | 29.6115 | 5.2808 | 1.04620 |
| 5600 | 4.4739 | 1.8281 | 1.1477 | 29.7441 | 5.3180 | 1.05013 |
| 5700 | 4.4847 | 1.8196 | 1.1500 | 29.8762 | 5.3552 | 1.05417 |
| 5800 | 4.4952 | 1.8111 | 1.1525 | 30.0061 | 5.3919 | 1.05829 |
| 5900 | 4.5055 | 1.8027 | 1.1551 | 30.1351 | 5.4285 | 1.06249 |
| 6000 | 4.5157 | 1.7944 | 1.1578 | 30.2630 | 5.4647 | 1.06676 |
| 6100 | 4.5257 | 1.7861 | 1.1607 | 30.3899 | 5.5006 | 1.07109 |
| 6200 | 4.5356 | 1.7780 | 1.1636 | 30.5148 | 5.5361 | 1.07546 |
| 6300 | 4.5453 | 1.7699 | 1.1666 | 30.6388 | 5.5714 | 1.07989 |
| 6400 | 4.5549 | 1.7619 | 1.1696 | 30.7622 | 5.6063 | 1.08435 |
| 6500 | 4.5643 | 1.7540 | 1.1728 | 30.8844 | 5.6414 | 1.08884 |
| 6600 | 4.5736 | 1.7462 | 1.1760 | 31.0054 | 5.6762 | 1.09337 |
| 6700 | 4.5828 | 1.7384 | 1.1793 | 31.1258 | 5.7110 | 1.09792 |
| 6800 | 4.5919 | 1.7308 | 1.1826 | 31.2460 | 5.7460 | 1.10249 |
| 6900 | 4.6009 | 1.7232 | 1.1861 | 31.3652 | 5.7812 | 1.10710 |
| 7000 | 4.6098 | 1.7157 | 1.1895 | 31.4846 | 5.8170 | 1.11174 |
| 7100 | 4.6186 | 1.7082 | 1.1931 | 31.6030 | 5.8531 | 1.11641 |
| 7200 | 4.6274 | 1.7008 | 1.1967 | 31.7220 | 5.8899 | 1.12113 |
| 7300 | 4.6362 | 1.6935 | 1.2004 | 31.8411 | 5.9276 | 1.12594 |
| 7400 | 4.6449 | 1.6862 | 1.2042 | 31.9610 | 5.9663 | 1.13078 |
| 7500 | 4.6536 | 1.6790 | 1.2081 | 32.0813 | 6.0059 | 1.13567 |
| 7600 | 4.6624 | 1.6718 | 1.2121 | 32.2023 | 6.0471 | 1.14068 |
| 7700 | 4.6711 | 1.6646 | 1.2162 | 32.3238 | 6.0896 | 1.14578 |
| 7800 | 4.6798 | 1.6575 | 1.2205 | 32.4469 | 6.1337 | 1.15099 |
| 7900 | 4.6886 | 1.6504 | 1.2249 | 32.5711 | 6.1794 | 1.15631 |
| 8000 | 4.6974 | 1.6433 | 1.2295 | 32.6967 | 6.2273 | 1.16177 |
| 8100 | 4.7062 | 1.6363 | 1.2342 | 32.8241 | 6.2770 | 1.16737 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 8200  | 4.7151 | 1.6292 | 1.2391 | 32.9530 | 6.3287  | 1.17311 |
| 8300  | 4.7241 | 1.6222 | 1.2442 | 33.0840 | 6.3827  | 1.17904 |
| 8400  | 4.7331 | 1.6151 | 1.2495 | 33.2172 | 6.4393  | 1.18517 |
| 8500  | 4.7422 | 1.6081 | 1.2551 | 33.3529 | 6.4984  | 1.19148 |
| 8600  | 4.7514 | 1.6010 | 1.2608 | 33.4914 | 6.5600  | 1.19801 |
| 8700  | 4.7606 | 1.5939 | 1.2668 | 33.6315 | 6.6239  | 1.20474 |
| 8800  | 4.7700 | 1.5868 | 1.2730 | 33.7743 | 6.6909  | 1.21172 |
| 8900  | 4.7794 | 1.5797 | 1.2795 | 33.9200 | 6.7608  | 1.21893 |
| 9000  | 4.7889 | 1.5726 | 1.2863 | 34.0688 | 6.8334  | 1.22640 |
| 9100  | 4.7985 | 1.5654 | 1.2934 | 34.2205 | 6.9094  | 1.23418 |
| 9200  | 4.8082 | 1.5582 | 1.3008 | 34.3752 | 6.9881  | 1.24220 |
| 9300  | 4.8179 | 1.5509 | 1.3084 | 34.5327 | 7.0694  | 1.25047 |
| 9400  | 4.8277 | 1.5437 | 1.3163 | 34.6933 | 7.1542  | 1.25907 |
| 9500  | 4.8376 | 1.5363 | 1.3246 | 34.8576 | 7.2423  | 1.26797 |
| 9600  | 4.8476 | 1.5290 | 1.3332 | 35.0249 | 7.3332  | 1.27717 |
| 9700  | 4.8576 | 1.5216 | 1.3421 | 35.1947 | 7.4268  | 1.28665 |
| 9800  | 4.8677 | 1.5142 | 1.3514 | 35.3684 | 7.5239  | 1.29649 |
| 9900  | 4.8778 | 1.5067 | 1.3609 | 35.5449 | 7.6234  | 1.30660 |
| 10000 | 4.8879 | 1.4992 | 1.3707 | 35.7243 | 7.7255  | 1.31699 |
| 10100 | 4.8981 | 1.4917 | 1.3809 | 35.9074 | 7.8310  | 1.32775 |
| 10200 | 4.9084 | 1.4841 | 1.3914 | 36.0927 | 7.9387  | 1.33878 |
| 10300 | 4.9186 | 1.4765 | 1.4023 | 36.2815 | 8.0496  | 1.35017 |
| 10400 | 4.9289 | 1.4688 | 1.4135 | 36.4729 | 8.1625  | 1.36183 |
| 10500 | 4.9391 | 1.4612 | 1.4249 | 36.6659 | 8.2774  | 1.37374 |
| 10600 | 4.9493 | 1.4535 | 1.4366 | 36.8628 | 8.3950  | 1.38599 |
| 10700 | 4.9595 | 1.4458 | 1.4486 | 37.0613 | 8.5143  | 1.39849 |
| 10800 | 4.9697 | 1.4381 | 1.4609 | 37.2619 | 8.6347  | 1.41120 |
| 10900 | 4.9798 | 1.4304 | 1.4734 | 37.4649 | 8.7576  | 1.42423 |
| 11000 | 4.9899 | 1.4227 | 1.4862 | 37.6691 | 8.8813  | 1.43746 |
| 11100 | 4.9998 | 1.4150 | 1.4991 | 37.8744 | 9.0056  | 1.45084 |
| 11200 | 5.0098 | 1.4073 | 1.5123 | 38.0815 | 9.1317  | 1.46451 |
| 11300 | 5.0195 | 1.3997 | 1.5255 | 38.2882 | 9.2566  | 1.47820 |
| 11400 | 5.0292 | 1.3920 | 1.5390 | 38.4961 | 9.3827  | 1.49211 |
| 11500 | 5.0389 | 1.3844 | 1.5526 | 38.7060 | 9.5098  | 1.50623 |
| 11600 | 5.0483 | 1.3768 | 1.5662 | 38.9137 | 9.6348  | 1.52030 |
| 11700 | 5.0576 | 1.3693 | 1.5800 | 39.1227 | 9.7602  | 1.53452 |
| 11800 | 5.0668 | 1.3618 | 1.5938 | 39.3305 | 9.8844  | 1.54877 |
| 11900 | 5.0759 | 1.3544 | 1.6076 | 39.5385 | 10.0085 | 1.56311 |
| 12000 | 5.0848 | 1.3471 | 1.6213 | 39.7435 | 10.1293 | 1.57728 |
| 12100 | 5.0935 | 1.3398 | 1.6351 | 39.9484 | 10.2496 | 1.59151 |
| 12200 | 5.1020 | 1.3326 | 1.6487 | 40.1512 | 10.3676 | 1.60565 |
| 12300 | 5.1105 | 1.3255 | 1.6624 | 40.3533 | 10.4845 | 1.61980 |
| 12400 | 5.1186 | 1.3185 | 1.6758 | 40.5514 | 10.5972 | 1.63367 |
| 12500 | 5.1266 | 1.3116 | 1.6891 | 40.7484 | 10.7086 | 1.64753 |
| 12600 | 5.1345 | 1.3048 | 1.7023 | 40.9424 | 10.8168 | 1.66118 |
| 12700 | 5.1421 | 1.2981 | 1.7152 | 41.1330 | 10.9217 | 1.67462 |
| 12800 | 5.1495 | 1.2914 | 1.7278 | 41.3207 | 11.0233 | 1.68782 |
| 12900 | 5.1568 | 1.2849 | 1.7404 | 41.5064 | 11.1227 | 1.70091 |
| 13000 | 5.1639 | 1.2785 | 1.7526 | 41.6884 | 11.2186 | 1.71376 |
| 13100 | 5.1708 | 1.2722 | 1.7646 | 41.8670 | 11.3109 | 1.72633 |
| 13200 | 5.1775 | 1.2661 | 1.7763 | 42.0420 | 11.3995 | 1.73861 |
| 13300 | 5.1840 | 1.2600 | 1.7877 | 42.2132 | 11.4844 | 1.75062 |
| 13400 | 5.1903 | 1.2541 | 1.7989 | 42.3821 | 11.5669 | 1.76243 |
| 13500 | 5.1965 | 1.2482 | 1.8096 | 42.5459 | 11.6446 | 1.77386 |
| 13600 | 5.2025 | 1.2425 | 1.8202 | 42.7075 | 11.7199 | 1.78508 |
| 13700 | 5.2083 | 1.2369 | 1.8304 | 42.8653 | 11.7916 | 1.79600 |
| 13800 | 5.2140 | 1.2314 | 1.8403 | 43.0193 | 11.8598 | 1.80660 |
| 13900 | 5.2195 | 1.2260 | 1.8500 | 43.1712 | 11.9256 | 1.81704 |
| 14000 | 5.2249 | 1.2207 | 1.8593 | 43.3186 | 11.9874 | 1.82705 |
| 14100 | 5.2301 | 1.2155 | 1.8683 | 43.4632 | 12.0465 | 1.83688 |
| 14200 | 5.2352 | 1.2104 | 1.8771 | 43.6049 | 12.1029 | 1.84644 |
| 14300 | 5.2401 | 1.2054 | 1.8855 | 43.7434 | 12.1563 | 1.85570 |
| 14400 | 5.2450 | 1.2005 | 1.8936 | 43.8790 | 12.2069 | 1.86471 |
| 14500 | 5.2497 | 1.1957 | 1.9015 | 44.0114 | 12.2548 | 1.87345 |
| 14600 | 5.2543 | 1.1910 | 1.9091 | 44.1411 | 12.3001 | 1.88194 |
| 14700 | 5.2588 | 1.1863 | 1.9165 | 44.2690 | 12.3439 | 1.89027 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 14800 | 5.2632 | 1.1818 | 1.9235 | 44.3938 | 12.3848 | 1.89831 |
| 14900 | 5.2675 | 1.1773 | 1.9304 | 44.5168 | 12.4243 | 1.90621 |
| 15000 | 5.2717 | 1.1729 | 1.9371 | 44.6376 | 12.4618 | 1.91391 |

LOG P= 3.3

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 1700 | 3.8516  | 2.3795  | 1.3375 | 22.3718 | 4.1794 | .99945  |
| 1800 | 3.8790  | 2.3592  | 1.3236 | 23.1366 | 4.2042 | .99939  |
| 1900 | 3.9050  | 2.3400  | 1.3107 | 23.3894 | 4.2291 | .99933  |
| 2000 | 3.9298  | 2.3217  | 1.2987 | 23.6314 | 4.2538 | .99928  |
| 2100 | 3.9534  | 2.3043  | 1.2875 | 23.8639 | 4.2779 | .99924  |
| 2200 | 3.9762  | 2.2876  | 1.2770 | 24.0878 | 4.3028 | .99920  |
| 2300 | 3.9979  | 2.2716  | 1.2672 | 24.3039 | 4.3267 | .99917  |
| 2400 | 4.0188  | 2.2563  | 1.2580 | 24.5128 | 4.3507 | .99915  |
| 2500 | 4.0390  | 2.2415  | 1.2494 | 24.7153 | 4.3754 | .99914  |
| 2600 | 4.0584  | 2.2273  | 1.2414 | 24.9115 | 4.3996 | .99916  |
| 2700 | 4.0771  | 2.2136  | 1.2338 | 25.1022 | 4.4232 | .99919  |
| 2800 | 4.0953  | 2.2003  | 1.2267 | 25.2878 | 4.4479 | .99925  |
| 2900 | 4.1129  | 2.1874  | 1.2200 | 25.4686 | 4.4722 | .99935  |
| 3000 | 4.1302  | 2.1749  | 1.2137 | 25.6477 | 4.4990 | .99949  |
| 3100 | 4.1469  | 2.1628  | 1.2079 | 25.8201 | 4.5240 | .99967  |
| 3200 | 4.1630  | 2.1510  | 1.2024 | 25.9887 | 4.5483 | .99992  |
| 3300 | 4.1787  | 2.1395  | 1.1973 | 26.1539 | 4.5732 | 1.00024 |
| 3400 | 4.1941  | 2.1283  | 1.1925 | 26.3160 | 4.5988 | 1.00064 |
| 3500 | 4.2091  | 2.1173  | 1.1881 | 26.4750 | 4.6237 | 1.00114 |
| 3600 | 4.2237  | 2.1066  | 1.1839 | 26.6316 | 4.6498 | 1.00174 |
| 3700 | 4.2381  | 2.0960  | 1.1802 | 26.7856 | 4.6757 | 1.00244 |
| 3800 | 4.2522  | 2.0857  | 1.1767 | 26.9377 | 4.7032 | 1.00326 |
| 3900 | 4.2660  | 2.0756  | 1.1736 | 27.0878 | 4.7308 | 1.00423 |
| 4000 | 4.2795  | 2.0656  | 1.1708 | 27.2360 | 4.7584 | 1.00534 |
| 4100 | 4.2929  | 2.0558  | 1.1683 | 27.3828 | 4.7873 | 1.00660 |
| 4200 | 4.3060  | 2.0462  | 1.1662 | 27.5279 | 4.8167 | 1.00801 |
| 4300 | 4.3190  | 2.0366  | 1.1643 | 27.6718 | 4.8473 | 1.00959 |
| 4400 | 4.3317  | 2.0272  | 1.1628 | 27.8141 | 4.8776 | 1.01133 |
| 4500 | 4.3443  | 2.0179  | 1.1615 | 27.9558 | 4.9096 | 1.01326 |
| 4600 | 4.3566  | 2.0087  | 1.1606 | 28.0959 | 4.9412 | 1.01535 |
| 4700 | 4.3688  | 1.9996  | 1.1599 | 28.2350 | 4.9735 | 1.01762 |
| 4800 | 4.3808  | 1.9906  | 1.1595 | 28.3731 | 5.0066 | 1.02006 |
| 4900 | 4.3927  | 1.9817  | 1.1594 | 28.5103 | 5.0405 | 1.02268 |
| 5000 | 4.4053  | 1.9729  | 1.1596 | 28.6585 | 5.0860 | 1.02540 |
| 5100 | 4.4169  | 1.9641  | 1.1600 | 28.7940 | 5.1202 | 1.02834 |
| 5200 | 4.4282  | 1.9554  | 1.1606 | 28.9281 | 5.1545 | 1.03142 |
| 5300 | 4.4394  | 1.9468  | 1.1615 | 29.0609 | 5.1892 | 1.03467 |
| 5400 | 4.4504  | 1.9383  | 1.1626 | 29.1929 | 5.2238 | 1.03804 |
| 5500 | 4.4612  | 1.9298  | 1.1639 | 29.3236 | 5.2586 | 1.04153 |
| 5600 | 4.4719  | 1.9215  | 1.1654 | 29.4531 | 5.2931 | 1.04516 |
| 5700 | 4.4824  | 1.9132  | 1.1671 | 29.5822 | 5.3279 | 1.04890 |
| 5800 | 4.4928  | 1.9049  | 1.1689 | 29.7091 | 5.3621 | 1.05272 |
| 5900 | 4.5030  | 1.8968  | 1.1709 | 29.8353 | 5.3964 | 1.05665 |
| 6000 | 4.5130  | 1.8887  | 1.1731 | 29.9605 | 5.4303 | 1.06065 |
| 6100 | 4.5229  | 1.8807  | 1.1753 | 30.0847 | 5.4641 | 1.06471 |
| 6200 | 4.5326  | 1.8727  | 1.1777 | 30.2069 | 5.4977 | 1.06882 |
| 6300 | 4.5421  | 1.8649  | 1.1801 | 30.3283 | 5.5310 | 1.07300 |
| 6400 | 4.5516  | 1.8571  | 1.1827 | 30.4493 | 5.5641 | 1.07722 |
| 6500 | 4.5609  | 1.8494  | 1.1853 | 30.5690 | 5.5974 | 1.08149 |
| 6600 | 4.5701  | 1.8418  | 1.1881 | 30.6875 | 5.6304 | 1.08581 |
| 6700 | 4.5792  | 1.8342  | 1.1909 | 30.8054 | 5.6635 | 1.09014 |
| 6800 | 4.5881  | 1.8267  | 1.1938 | 30.9231 | 5.6967 | 1.09452 |
| 6900 | 4.5970  | 1.8193  | 1.1967 | 31.0397 | 5.7301 | 1.09893 |
| 7000 | 4.6058  | 1.8120  | 1.1998 | 31.1565 | 5.7639 | 1.10338 |
| 7100 | 4.6145  | 1.8047  | 1.2029 | 31.2720 | 5.7980 | 1.10786 |
| 7200 | 4.6232  | 1.7975  | 1.2060 | 31.3881 | 5.8327 | 1.11239 |
| 7300 | 4.6318  | 1.7903  | 1.2093 | 31.5043 | 5.8682 | 1.11699 |
| 7400 | 4.6404  | 1.7832  | 1.2127 | 31.6209 | 5.9044 | 1.12163 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 7500  | 4.6490 | 1.7761 | 1.2161 | 31.7377 | 5.9415  | 1.12631 |
| 7600  | 4.6575 | 1.7691 | 1.2197 | 31.8550 | 5.9797  | 1.13111 |
| 7700  | 4.6660 | 1.7621 | 1.2234 | 31.9726 | 6.0192  | 1.13597 |
| 7800  | 4.6746 | 1.7551 | 1.2272 | 32.0916 | 6.0600  | 1.14093 |
| 7900  | 4.6831 | 1.7482 | 1.2311 | 32.2112 | 6.1022  | 1.14599 |
| 8000  | 4.6917 | 1.7413 | 1.2352 | 32.3320 | 6.1463  | 1.15117 |
| 8100  | 4.7003 | 1.7344 | 1.2394 | 32.4543 | 6.1919  | 1.15647 |
| 8200  | 4.7089 | 1.7276 | 1.2438 | 32.5777 | 6.2392  | 1.16188 |
| 8300  | 4.7176 | 1.7207 | 1.2484 | 32.7029 | 6.2885  | 1.16746 |
| 8400  | 4.7264 | 1.7139 | 1.2531 | 32.8300 | 6.3400  | 1.17321 |
| 8500  | 4.7352 | 1.7070 | 1.2581 | 32.9591 | 6.3938  | 1.17913 |
| 8600  | 4.7440 | 1.7002 | 1.2632 | 33.0907 | 6.4498  | 1.18523 |
| 8700  | 4.7530 | 1.6933 | 1.2686 | 33.2236 | 6.5078  | 1.19150 |
| 8800  | 4.7620 | 1.6864 | 1.2742 | 33.3588 | 6.5685  | 1.19799 |
| 8900  | 4.7710 | 1.6796 | 1.2800 | 33.4965 | 6.6318  | 1.20468 |
| 9000  | 4.7802 | 1.6726 | 1.2861 | 33.6369 | 6.6976  | 1.21161 |
| 9100  | 4.7894 | 1.6657 | 1.2924 | 33.7798 | 6.7663  | 1.21881 |
| 9200  | 4.7987 | 1.6588 | 1.2990 | 33.9253 | 6.8375  | 1.22623 |
| 9300  | 4.8080 | 1.6518 | 1.3058 | 34.0734 | 6.9111  | 1.23386 |
| 9400  | 4.8175 | 1.6448 | 1.3130 | 34.2243 | 6.9877  | 1.24179 |
| 9500  | 4.8270 | 1.6377 | 1.3204 | 34.3783 | 7.0674  | 1.24998 |
| 9600  | 4.8366 | 1.6306 | 1.3281 | 34.5352 | 7.1498  | 1.25845 |
| 9700  | 4.8462 | 1.6235 | 1.3361 | 34.6942 | 7.2345  | 1.26718 |
| 9800  | 4.8559 | 1.6164 | 1.3445 | 34.8568 | 7.3226  | 1.27622 |
| 9900  | 4.8656 | 1.6092 | 1.3531 | 35.0220 | 7.4129  | 1.28553 |
| 10000 | 4.8754 | 1.6020 | 1.3620 | 35.1900 | 7.5057  | 1.29509 |
| 10100 | 4.8852 | 1.5947 | 1.3712 | 35.3613 | 7.6017  | 1.30498 |
| 10200 | 4.8951 | 1.5875 | 1.3807 | 35.5348 | 7.6999  | 1.31514 |
| 10300 | 4.9050 | 1.5801 | 1.3905 | 35.7116 | 7.8011  | 1.32564 |
| 10400 | 4.9149 | 1.5728 | 1.4006 | 35.8910 | 7.9045  | 1.33639 |
| 10500 | 4.9248 | 1.5654 | 1.4110 | 36.0720 | 8.0098  | 1.34740 |
| 10600 | 4.9348 | 1.5580 | 1.4217 | 36.2568 | 8.1180  | 1.35873 |
| 10700 | 4.9447 | 1.5506 | 1.4327 | 36.4433 | 8.2279  | 1.37032 |
| 10800 | 4.9546 | 1.5432 | 1.4439 | 36.6321 | 8.3392  | 1.38212 |
| 10900 | 4.9644 | 1.5357 | 1.4555 | 36.8233 | 8.4531  | 1.39425 |
| 11000 | 4.9743 | 1.5283 | 1.4672 | 37.0162 | 8.5683  | 1.40658 |
| 11100 | 4.9841 | 1.5208 | 1.4792 | 37.2103 | 8.6843  | 1.41909 |
| 11200 | 4.9938 | 1.5133 | 1.4914 | 37.4066 | 8.8024  | 1.43192 |
| 11300 | 5.0034 | 1.5059 | 1.5037 | 37.6030 | 8.9199  | 1.44479 |
| 11400 | 5.0130 | 1.4985 | 1.5163 | 37.8009 | 9.0390  | 1.45790 |
| 11500 | 5.0226 | 1.4910 | 1.5291 | 38.0012 | 9.1595  | 1.47127 |
| 11600 | 5.0319 | 1.4836 | 1.5419 | 38.2000 | 9.2787  | 1.48464 |
| 11700 | 5.0413 | 1.4763 | 1.5549 | 38.4006 | 9.3987  | 1.49820 |
| 11800 | 5.0504 | 1.4689 | 1.5680 | 38.6005 | 9.5184  | 1.51184 |
| 11900 | 5.0596 | 1.4616 | 1.5812 | 38.8015 | 9.6386  | 1.52563 |
| 12000 | 5.0685 | 1.4544 | 1.5944 | 39.0002 | 9.7561  | 1.53931 |
| 12100 | 5.0773 | 1.4472 | 1.6076 | 39.1994 | 9.8739  | 1.55311 |
| 12200 | 5.0859 | 1.4401 | 1.6208 | 39.3973 | 9.9902  | 1.56690 |
| 12300 | 5.0945 | 1.4330 | 1.6341 | 39.5953 | 10.1061 | 1.58076 |
| 12400 | 5.1028 | 1.4260 | 1.6472 | 39.7901 | 10.2186 | 1.59440 |
| 12500 | 5.1110 | 1.4190 | 1.6603 | 39.9846 | 10.3305 | 1.60812 |
| 12600 | 5.1191 | 1.4122 | 1.6733 | 40.1768 | 10.4399 | 1.62169 |
| 12700 | 5.1269 | 1.4055 | 1.6861 | 40.3663 | 10.5468 | 1.63514 |
| 12800 | 5.1346 | 1.3988 | 1.6988 | 40.5536 | 10.6509 | 1.64840 |
| 12900 | 5.1421 | 1.3922 | 1.7114 | 40.7397 | 10.7536 | 1.66163 |
| 13000 | 5.1495 | 1.3857 | 1.7238 | 40.9227 | 10.8534 | 1.67466 |
| 13100 | 5.1567 | 1.3793 | 1.7360 | 41.1031 | 10.9500 | 1.68750 |
| 13200 | 5.1637 | 1.3731 | 1.7479 | 41.2802 | 11.0434 | 1.70009 |
| 13300 | 5.1705 | 1.3669 | 1.7596 | 41.4541 | 11.1337 | 1.71247 |
| 13400 | 5.1772 | 1.3608 | 1.7711 | 41.6262 | 11.2220 | 1.72470 |
| 13500 | 5.1836 | 1.3549 | 1.7823 | 41.7936 | 11.3057 | 1.73659 |
| 13600 | 5.1900 | 1.3490 | 1.7932 | 41.9590 | 11.3874 | 1.74831 |
| 13700 | 5.1961 | 1.3432 | 1.8039 | 42.1211 | 11.4658 | 1.75978 |
| 13800 | 5.2021 | 1.3376 | 1.8143 | 42.2796 | 11.5407 | 1.77094 |
| 13900 | 5.2080 | 1.3320 | 1.8245 | 42.4363 | 11.6138 | 1.78197 |
| 14000 | 5.2137 | 1.3265 | 1.8343 | 42.5886 | 11.6826 | 1.79260 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 14100 | 5.2192 | 1.3212 | 1.8439 | 42.7382 | 11.7489 | 1.80306 |
| 14200 | 5.2246 | 1.3159 | 1.8533 | 42.8851 | 11.8126 | 1.81327 |
| 14300 | 5.2299 | 1.3108 | 1.8623 | 43.0288 | 11.8730 | 1.82319 |
| 14400 | 5.2350 | 1.3057 | 1.8710 | 43.1695 | 11.9308 | 1.83285 |
| 14500 | 5.2400 | 1.3008 | 1.8795 | 43.3071 | 11.9857 | 1.84226 |
| 14600 | 5.2449 | 1.2959 | 1.8876 | 43.4420 | 12.0380 | 1.85141 |
| 14700 | 5.2497 | 1.2911 | 1.8956 | 43.5749 | 12.0886 | 1.86041 |
| 14800 | 5.2543 | 1.2864 | 1.9033 | 43.7045 | 12.1361 | 1.86909 |
| 14900 | 5.2589 | 1.2818 | 1.9107 | 43.8323 | 12.1821 | 1.87764 |
| 15000 | 5.2634 | 1.2772 | 1.9180 | 43.9578 | 12.2260 | 1.88597 |

LOG P= 3.4

| T    | LOG H/R | LOG RHC | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 2100 | 3.9592  | 2.3850  | 1.3457 | 23.6178 | 4.3346 | .99902  |
| 2200 | 3.9818  | 2.3688  | 1.3334 | 23.8431 | 4.3584 | .99896  |
| 2300 | 4.0033  | 2.3533  | 1.3220 | 24.0604 | 4.3811 | .99892  |
| 2400 | 4.0241  | 2.3383  | 1.3112 | 24.2704 | 4.4040 | .99889  |
| 2500 | 4.0441  | 2.3240  | 1.3011 | 24.4738 | 4.4275 | .99888  |
| 2600 | 4.0634  | 2.3101  | 1.2915 | 24.6708 | 4.4505 | .99888  |
| 2700 | 4.0820  | 2.2968  | 1.2826 | 24.8622 | 4.4729 | .99890  |
| 2800 | 4.1000  | 2.2838  | 1.2742 | 25.0483 | 4.4964 | .99895  |
| 2900 | 4.1175  | 2.2713  | 1.2663 | 25.2295 | 4.5193 | .99904  |
| 3000 | 4.1346  | 2.2591  | 1.2588 | 25.4089 | 4.5449 | .99916  |
| 3600 | 4.2271  | 2.1925  | 1.2228 | 26.3911 | 4.6862 | 1.00116 |
| 3700 | 4.2412  | 2.1823  | 1.2181 | 26.5442 | 4.7102 | 1.00179 |
| 3800 | 4.2552  | 2.1723  | 1.2138 | 26.6951 | 4.7357 | 1.00253 |
| 3900 | 4.2688  | 2.1624  | 1.2098 | 26.8439 | 4.7611 | 1.00339 |
| 4000 | 4.2821  | 2.1527  | 1.2062 | 26.9906 | 4.7865 | 1.00438 |
| 4100 | 4.2952  | 2.1432  | 1.2028 | 27.1357 | 4.8132 | 1.00551 |
| 4200 | 4.3061  | 2.1338  | 1.1998 | 27.2789 | 4.8400 | 1.00678 |
| 4300 | 4.3208  | 2.1246  | 1.1972 | 27.4207 | 4.8681 | 1.00819 |
| 4400 | 4.3333  | 2.1154  | 1.1948 | 27.5609 | 4.8958 | 1.00976 |
| 4500 | 4.3456  | 2.1064  | 1.1928 | 27.7002 | 4.9250 | 1.01150 |
| 4600 | 4.3577  | 2.0975  | 1.1910 | 27.8378 | 4.9538 | 1.01337 |
| 4700 | 4.3696  | 2.0887  | 1.1896 | 27.9743 | 4.9833 | 1.01541 |
| 4800 | 4.3814  | 2.0800  | 1.1884 | 28.1096 | 5.0135 | 1.01762 |
| 4900 | 4.3930  | 2.0713  | 1.1875 | 28.2439 | 5.0443 | 1.01999 |
| 5000 | 4.4054  | 2.0628  | 1.1869 | 28.3894 | 5.0870 | 1.02246 |
| 5100 | 4.4167  | 2.0543  | 1.1865 | 28.5220 | 5.1183 | 1.02512 |
| 5200 | 4.4278  | 2.0459  | 1.1864 | 28.6531 | 5.1497 | 1.02793 |
| 5300 | 4.4387  | 2.0376  | 1.1866 | 28.7828 | 5.1815 | 1.03089 |
| 5400 | 4.4495  | 2.0293  | 1.1869 | 28.9119 | 5.2133 | 1.03397 |
| 5500 | 4.4601  | 2.0212  | 1.1875 | 29.0396 | 5.2453 | 1.03717 |
| 5600 | 4.4706  | 2.0131  | 1.1883 | 29.1662 | 5.2772 | 1.04051 |
| 5700 | 4.4809  | 2.0050  | 1.1893 | 29.2923 | 5.3093 | 1.04396 |
| 5800 | 4.4911  | 1.9970  | 1.1904 | 29.4165 | 5.3410 | 1.04749 |
| 5900 | 4.5011  | 1.9891  | 1.1917 | 29.5399 | 5.3729 | 1.05113 |
| 6000 | 4.5109  | 1.9813  | 1.1932 | 29.6623 | 5.4045 | 1.05486 |
| 6100 | 4.5206  | 1.9735  | 1.1948 | 29.7839 | 5.4362 | 1.05865 |
| 6200 | 4.5302  | 1.9658  | 1.1965 | 29.9035 | 5.4675 | 1.06250 |
| 6300 | 4.5396  | 1.9582  | 1.1984 | 30.0224 | 5.4988 | 1.06644 |
| 6400 | 4.5489  | 1.9507  | 1.2003 | 30.1408 | 5.5299 | 1.07042 |
| 6500 | 4.5581  | 1.9432  | 1.2024 | 30.2581 | 5.5613 | 1.07444 |
| 6600 | 4.5671  | 1.9358  | 1.2046 | 30.3742 | 5.5924 | 1.07854 |
| 6700 | 4.5761  | 1.9284  | 1.2068 | 30.4896 | 5.6236 | 1.08265 |
| 6800 | 4.5849  | 1.9211  | 1.2092 | 30.6048 | 5.6549 | 1.08681 |
| 6900 | 4.5937  | 1.9139  | 1.2116 | 30.7189 | 5.6864 | 1.09101 |
| 7000 | 4.6024  | 1.9068  | 1.2142 | 30.8331 | 5.7183 | 1.09526 |
| 7100 | 4.6110  | 1.8997  | 1.2168 | 30.9460 | 5.7504 | 1.09954 |
| 7200 | 4.6195  | 1.8926  | 1.2195 | 31.0594 | 5.7831 | 1.10387 |
| 7300 | 4.6280  | 1.8856  | 1.2223 | 31.1726 | 5.8163 | 1.10827 |
| 7400 | 4.6364  | 1.8787  | 1.2252 | 31.2862 | 5.8502 | 1.11270 |
| 7500 | 4.6446  | 1.8718  | 1.2282 | 31.3998 | 5.8848 | 1.11717 |
| 7600 | 4.6532  | 1.8650  | 1.2313 | 31.5137 | 5.9205 | 1.12174 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 7700  | 4.6615 | 1.8582 | 1.2345 | 31.6276 | 5.9572  | 1.12638 |
| 7800  | 4.6699 | 1.8514 | 1.2378 | 31.7428 | 5.9950  | 1.13110 |
| 7900  | 4.6782 | 1.8447 | 1.2412 | 31.8583 | 6.0339  | 1.13591 |
| 8000  | 4.6866 | 1.8379 | 1.2448 | 31.9748 | 6.0744  | 1.14082 |
| 8100  | 4.6950 | 1.8313 | 1.2485 | 32.0924 | 6.1164  | 1.14584 |
| 8200  | 4.7034 | 1.8246 | 1.2524 | 32.2109 | 6.1598  | 1.15095 |
| 8300  | 4.7118 | 1.8179 | 1.2564 | 32.3310 | 6.2049  | 1.15620 |
| 8400  | 4.7203 | 1.8113 | 1.2606 | 32.4525 | 6.2519  | 1.16161 |
| 8500  | 4.7288 | 1.8047 | 1.2650 | 32.5758 | 6.3009  | 1.16716 |
| 8600  | 4.7374 | 1.7980 | 1.2695 | 32.7012 | 6.3519  | 1.17248 |
| 8700  | 4.7460 | 1.7914 | 1.2742 | 32.8276 | 6.4045  | 1.17873 |
| 8800  | 4.7547 | 1.7847 | 1.2792 | 32.9560 | 6.4596  | 1.18478 |
| 8900  | 4.7634 | 1.7781 | 1.2843 | 33.0864 | 6.5169  | 1.19101 |
| 9000  | 4.7722 | 1.7714 | 1.2897 | 33.2193 | 6.5765  | 1.19744 |
| 9100  | 4.7811 | 1.7647 | 1.2954 | 33.3544 | 6.6387  | 1.20412 |
| 9200  | 4.7901 | 1.7580 | 1.3012 | 33.4916 | 6.7031  | 1.21098 |
| 9300  | 4.7991 | 1.7513 | 1.3073 | 33.6312 | 6.7696  | 1.21803 |
| 9400  | 4.8081 | 1.7445 | 1.3136 | 33.7732 | 6.8390  | 1.22535 |
| 9500  | 4.8173 | 1.7378 | 1.3202 | 33.9180 | 6.9110  | 1.23290 |
| 9600  | 4.8265 | 1.7310 | 1.3271 | 34.0653 | 6.9855  | 1.24070 |
| 9700  | 4.8357 | 1.7241 | 1.3343 | 34.2145 | 7.0622  | 1.24874 |
| 9800  | 4.8450 | 1.7173 | 1.3417 | 34.3670 | 7.1419  | 1.25706 |
| 9900  | 4.8544 | 1.7104 | 1.3494 | 34.5219 | 7.2238  | 1.26562 |
| 10000 | 4.8638 | 1.7035 | 1.3573 | 34.6793 | 7.3080  | 1.27442 |
| 10100 | 4.8733 | 1.6965 | 1.3656 | 34.8398 | 7.3952  | 1.28352 |
| 10200 | 4.8828 | 1.6895 | 1.3741 | 35.0023 | 7.4844  | 1.29286 |
| 10300 | 4.8923 | 1.6825 | 1.3830 | 35.1679 | 7.5766  | 1.30252 |
| 10400 | 4.9019 | 1.6754 | 1.3921 | 35.3359 | 7.6709  | 1.31242 |
| 10500 | 4.9114 | 1.6684 | 1.4015 | 35.5055 | 7.7670  | 1.32257 |
| 10600 | 4.9211 | 1.6612 | 1.4112 | 35.6783 | 7.8660  | 1.33302 |
| 10700 | 4.9307 | 1.6541 | 1.4212 | 35.8537 | 7.9668  | 1.34372 |
| 10800 | 4.9403 | 1.6470 | 1.4314 | 36.0311 | 8.0691  | 1.35462 |
| 10900 | 4.9499 | 1.6398 | 1.4419 | 36.2108 | 8.1741  | 1.36586 |
| 11000 | 4.9595 | 1.6326 | 1.4526 | 36.3923 | 8.2804  | 1.37730 |
| 11100 | 4.9690 | 1.6254 | 1.4636 | 36.5753 | 8.3880  | 1.38893 |
| 11200 | 4.9785 | 1.6182 | 1.4748 | 36.7604 | 8.4978  | 1.40088 |
| 11300 | 4.9880 | 1.6110 | 1.4862 | 36.9462 | 8.6074  | 1.41290 |
| 11400 | 4.9974 | 1.6038 | 1.4978 | 37.1336 | 8.7188  | 1.42518 |
| 11500 | 5.0068 | 1.5966 | 1.5096 | 37.3238 | 8.8321  | 1.43774 |
| 11600 | 5.0160 | 1.5894 | 1.5216 | 37.5130 | 8.9445  | 1.45034 |
| 11700 | 5.0252 | 1.5822 | 1.5337 | 37.7045 | 9.0583  | 1.46315 |
| 11800 | 5.0344 | 1.5751 | 1.5460 | 37.8957 | 9.1721  | 1.47609 |
| 11900 | 5.0434 | 1.5679 | 1.5585 | 38.0885 | 9.2870  | 1.48923 |
| 12000 | 5.0523 | 1.5608 | 1.5709 | 38.2797 | 9.4000  | 1.50230 |
| 12100 | 5.0611 | 1.5538 | 1.5834 | 38.4718 | 9.5137  | 1.51554 |
| 12200 | 5.0698 | 1.5467 | 1.5961 | 38.6635 | 9.6265  | 1.52882 |
| 12300 | 5.0785 | 1.5398 | 1.6088 | 38.8557 | 9.7397  | 1.54223 |
| 12400 | 5.0869 | 1.5328 | 1.6214 | 39.0455 | 9.8501  | 1.55550 |
| 12500 | 5.0952 | 1.5260 | 1.6341 | 39.2356 | 9.9606  | 1.56889 |
| 12600 | 5.1034 | 1.5192 | 1.6467 | 39.4242 | 10.0693 | 1.58221 |
| 12700 | 5.1114 | 1.5124 | 1.6593 | 39.6107 | 10.1761 | 1.59545 |
| 12800 | 5.1192 | 1.5058 | 1.6717 | 39.7958 | 10.2808 | 1.60859 |
| 12900 | 5.1270 | 1.4992 | 1.6841 | 39.9802 | 10.3847 | 1.62174 |
| 13000 | 5.1346 | 1.4927 | 1.6964 | 40.1623 | 10.4864 | 1.63477 |
| 13100 | 5.1420 | 1.4862 | 1.7086 | 40.3423 | 10.5855 | 1.64767 |
| 13200 | 5.1492 | 1.4799 | 1.7205 | 40.5197 | 10.6820 | 1.66038 |
| 13300 | 5.1563 | 1.4737 | 1.7323 | 40.6945 | 10.7760 | 1.67294 |
| 13400 | 5.1633 | 1.4675 | 1.7440 | 40.8681 | 10.8683 | 1.68541 |
| 13500 | 5.1700 | 1.4614 | 1.7554 | 41.0374 | 10.9568 | 1.69760 |
| 13600 | 5.1766 | 1.4555 | 1.7666 | 41.2054 | 11.0434 | 1.70967 |
| 13700 | 5.1831 | 1.4496 | 1.7776 | 41.3704 | 11.1273 | 1.72153 |
| 13800 | 5.1894 | 1.4438 | 1.7884 | 41.5321 | 11.2080 | 1.73312 |
| 13900 | 5.1956 | 1.4381 | 1.7990 | 41.6925 | 11.2871 | 1.74463 |
| 14000 | 5.2016 | 1.4325 | 1.8092 | 41.8487 | 11.3621 | 1.75576 |
| 14100 | 5.2075 | 1.4270 | 1.8193 | 42.0026 | 11.4349 | 1.76676 |
| 14200 | 5.2132 | 1.4216 | 1.8291 | 42.1538 | 11.5052 | 1.77755 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 14300 | 5.2188 | 1.4163 | 1.8386 | 42.3022 | 11.5724 | 1.78805 |
| 14400 | 5.2242 | 1.4111 | 1.8478 | 42.4476 | 11.6370 | 1.79831 |
| 14500 | 5.2295 | 1.4060 | 1.8568 | 42.5900 | 11.6987 | 1.80833 |
| 14600 | 5.2347 | 1.4010 | 1.8655 | 42.7296 | 11.7578 | 1.81811 |
| 14700 | 5.2398 | 1.3961 | 1.8740 | 42.8675 | 11.8152 | 1.82774 |
| 14800 | 5.2447 | 1.3912 | 1.8822 | 43.0018 | 11.8692 | 1.83705 |
| 14900 | 5.2495 | 1.3865 | 1.8902 | 43.1343 | 11.9217 | 1.84623 |
| 15000 | 5.2543 | 1.3818 | 1.8979 | 43.2645 | 11.9720 | 1.85519 |

LOG P= 3.5

| T    | LOG H/R | LOG RHC | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 2600 | 4.0692  | 2.3908  | 1.3502 | 24.4268 | 4.5103 | .99852  |
| 2700 | 4.0876  | 2.3778  | 1.3397 | 24.6190 | 4.5314 | .99852  |
| 2800 | 4.1055  | 2.3652  | 1.3298 | 24.8058 | 4.5534 | .99856  |
| 2900 | 4.1228  | 2.3531  | 1.3205 | 24.9875 | 4.5750 | .99863  |
| 3000 | 4.1398  | 2.3412  | 1.3118 | 25.1673 | 4.5991 | .99873  |
| 4500 | 4.3477  | 2.1929  | 1.2303 | 27.4455 | 4.9490 | 1.00981 |
| 4600 | 4.3596  | 2.1843  | 1.2277 | 27.5808 | 4.9751 | 1.01149 |
| 4700 | 4.3712  | 2.1758  | 1.2254 | 27.7150 | 5.0019 | 1.01334 |
| 4800 | 4.3828  | 2.1674  | 1.2234 | 27.8479 | 5.0293 | 1.01533 |
| 4900 | 4.3941  | 2.1590  | 1.2217 | 27.9796 | 5.0573 | 1.01746 |
| 5000 | 4.4063  | 2.1508  | 1.2203 | 28.1226 | 5.0972 | 1.01970 |
| 5100 | 4.4173  | 2.1426  | 1.2191 | 28.2525 | 5.1257 | 1.02212 |
| 5200 | 4.4282  | 2.1345  | 1.2182 | 28.3808 | 5.1542 | 1.02466 |
| 5300 | 4.4389  | 2.1264  | 1.2175 | 28.5078 | 5.1832 | 1.02735 |
| 5400 | 4.4494  | 2.1185  | 1.2171 | 28.6341 | 5.2122 | 1.03017 |
| 5500 | 4.4598  | 2.1106  | 1.2169 | 28.7590 | 5.2416 | 1.03309 |
| 5600 | 4.4701  | 2.1027  | 1.2169 | 28.8828 | 5.2707 | 1.03615 |
| 5700 | 4.4802  | 2.0950  | 1.2171 | 29.0062 | 5.3002 | 1.03932 |
| 5800 | 4.4901  | 2.0873  | 1.2175 | 29.1276 | 5.3294 | 1.04258 |
| 5900 | 4.4999  | 2.0796  | 1.2181 | 29.2483 | 5.3588 | 1.04594 |
| 6000 | 4.5096  | 2.0721  | 1.2189 | 29.3682 | 5.3881 | 1.04940 |
| 6100 | 4.5191  | 2.0646  | 1.2198 | 29.4871 | 5.4174 | 1.05291 |
| 6200 | 4.5285  | 2.0571  | 1.2208 | 29.6042 | 5.4465 | 1.05651 |
| 6300 | 4.5378  | 2.0497  | 1.2220 | 29.7206 | 5.4756 | 1.06019 |
| 6400 | 4.5469  | 2.0424  | 1.2233 | 29.8366 | 5.5047 | 1.06392 |
| 6500 | 4.5560  | 2.0352  | 1.2248 | 29.9514 | 5.5340 | 1.06770 |
| 6600 | 4.5649  | 2.0280  | 1.2264 | 30.0650 | 5.5631 | 1.07156 |
| 6700 | 4.5737  | 2.0209  | 1.2280 | 30.1780 | 5.5923 | 1.07545 |
| 6800 | 4.5824  | 2.0138  | 1.2298 | 30.2909 | 5.6217 | 1.07938 |
| 6900 | 4.5910  | 2.0068  | 1.2317 | 30.4025 | 5.6513 | 1.08336 |
| 7000 | 4.5995  | 1.9999  | 1.2336 | 30.5142 | 5.6812 | 1.08739 |
| 7100 | 4.6080  | 1.9930  | 1.2357 | 30.6246 | 5.7112 | 1.09147 |
| 7200 | 4.6164  | 1.9861  | 1.2379 | 30.7353 | 5.7418 | 1.09559 |
| 7300 | 4.6247  | 1.9793  | 1.2401 | 30.8457 | 5.7729 | 1.09978 |
| 7400 | 4.6330  | 1.9726  | 1.2425 | 30.9564 | 5.8045 | 1.10399 |
| 7500 | 4.6412  | 1.9659  | 1.2449 | 31.0671 | 5.8368 | 1.10826 |
| 7600 | 4.6495  | 1.9593  | 1.2475 | 31.1778 | 5.8699 | 1.11260 |
| 7700 | 4.6576  | 1.9527  | 1.2502 | 31.2885 | 5.9040 | 1.11702 |
| 7800 | 4.6658  | 1.9461  | 1.2530 | 31.4001 | 5.9389 | 1.12151 |
| 7900 | 4.6740  | 1.9396  | 1.2559 | 31.5119 | 5.9750 | 1.12608 |
| 8000 | 4.6821  | 1.9330  | 1.2590 | 31.6244 | 6.0123 | 1.13073 |
| 8100 | 4.6903  | 1.9265  | 1.2621 | 31.7379 | 6.0508 | 1.13548 |
| 8200 | 4.6985  | 1.9201  | 1.2654 | 31.8520 | 6.0906 | 1.14030 |
| 8300 | 4.7067  | 1.9136  | 1.2689 | 31.9674 | 6.1318 | 1.14526 |
| 8400 | 4.7149  | 1.9072  | 1.2725 | 32.0839 | 6.1748 | 1.15035 |
| 8500 | 4.7232  | 1.9008  | 1.2763 | 32.2019 | 6.2195 | 1.15556 |
| 8600 | 4.7315  | 1.8944  | 1.2802 | 32.3218 | 6.2659 | 1.16092 |
| 8700 | 4.7398  | 1.8879  | 1.2843 | 32.4424 | 6.3137 | 1.16639 |
| 8800 | 4.7482  | 1.8815  | 1.2886 | 32.5647 | 6.3638 | 1.17205 |
| 8900 | 4.7566  | 1.8751  | 1.2931 | 32.6886 | 6.4158 | 1.17784 |
| 9000 | 4.7651  | 1.8687  | 1.2978 | 32.8148 | 6.4697 | 1.18383 |
| 9100 | 4.7737  | 1.8622  | 1.3028 | 32.9427 | 6.5260 | 1.19003 |
| 9200 | 4.7823  | 1.8558  | 1.3079 | 33.0726 | 6.5844 | 1.19639 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 9300  | 4.7910 | 1.8493 | 1.3132 | 33.2045 | 6.6445  | 1.20291 |
| 9400  | 4.7997 | 1.8428 | 1.3188 | 33.3385 | 6.7072  | 1.20968 |
| 9500  | 4.8085 | 1.8363 | 1.3247 | 33.4749 | 6.7723  | 1.21665 |
| 9600  | 4.8173 | 1.8298 | 1.3307 | 33.6136 | 6.8397  | 1.22385 |
| 9700  | 4.8262 | 1.8232 | 1.3370 | 33.7540 | 6.9091  | 1.23125 |
| 9800  | 4.8352 | 1.8166 | 1.3436 | 33.8972 | 6.9812  | 1.23892 |
| 9900  | 4.8442 | 1.8100 | 1.3504 | 34.0426 | 7.0553  | 1.24678 |
| 10000 | 4.8532 | 1.8034 | 1.3575 | 34.1904 | 7.1316  | 1.25488 |
| 10100 | 4.8623 | 1.7967 | 1.3649 | 34.3409 | 7.2105  | 1.26325 |
| 10200 | 4.8714 | 1.7901 | 1.3724 | 34.4932 | 7.2914  | 1.27182 |
| 10300 | 4.8806 | 1.7833 | 1.3804 | 34.6484 | 7.3751  | 1.28071 |
| 10400 | 4.8898 | 1.7766 | 1.3885 | 34.8059 | 7.4609  | 1.28981 |
| 10500 | 4.8991 | 1.7698 | 1.3969 | 34.9649 | 7.5484  | 1.29914 |
| 10600 | 4.9083 | 1.7630 | 1.4056 | 35.1273 | 7.6387  | 1.30877 |
| 10700 | 4.9176 | 1.7561 | 1.4145 | 35.2914 | 7.7308  | 1.31862 |
| 10800 | 4.9269 | 1.7493 | 1.4237 | 35.4578 | 7.8245  | 1.32868 |
| 10900 | 4.9362 | 1.7424 | 1.4332 | 35.6265 | 7.9207  | 1.33906 |
| 11000 | 4.9455 | 1.7355 | 1.4429 | 35.7971 | 8.0185  | 1.34963 |
| 11100 | 4.9548 | 1.7286 | 1.4528 | 35.9693 | 8.1176  | 1.36041 |
| 11200 | 4.9640 | 1.7217 | 1.4631 | 36.1436 | 8.2190  | 1.37149 |
| 11300 | 4.9732 | 1.7147 | 1.4734 | 36.3188 | 8.3206  | 1.38266 |
| 11400 | 4.9824 | 1.7078 | 1.4840 | 36.4958 | 8.4241  | 1.39410 |
| 11500 | 4.9916 | 1.7008 | 1.4949 | 36.6758 | 8.5297  | 1.40582 |
| 11600 | 5.0007 | 1.6939 | 1.5059 | 36.8550 | 8.6348  | 1.41761 |
| 11700 | 5.0098 | 1.6869 | 1.5171 | 37.0367 | 8.7415  | 1.42962 |
| 11800 | 5.0188 | 1.6800 | 1.5285 | 37.2186 | 8.8488  | 1.44179 |
| 11900 | 5.0277 | 1.6731 | 1.5401 | 37.4024 | 8.9575  | 1.45419 |
| 12000 | 5.0365 | 1.6662 | 1.5517 | 37.5851 | 9.0648  | 1.46656 |
| 12100 | 5.0453 | 1.6593 | 1.5635 | 37.7691 | 9.1732  | 1.47913 |
| 12200 | 5.0540 | 1.6524 | 1.5753 | 37.9532 | 9.2814  | 1.49179 |
| 12300 | 5.0626 | 1.6456 | 1.5874 | 38.1384 | 9.3903  | 1.50462 |
| 12400 | 5.0710 | 1.6388 | 1.5993 | 38.3218 | 9.4971  | 1.51736 |
| 12500 | 5.0794 | 1.6320 | 1.6114 | 38.5059 | 9.6045  | 1.53026 |
| 12600 | 5.0876 | 1.6253 | 1.6235 | 38.6892 | 9.7108  | 1.54316 |
| 12700 | 5.0957 | 1.6187 | 1.6356 | 38.8711 | 9.8159  | 1.55603 |
| 12800 | 5.1037 | 1.6121 | 1.6476 | 39.0521 | 9.9194  | 1.56886 |
| 12900 | 5.1116 | 1.6055 | 1.6596 | 39.2332 | 10.0228 | 1.58177 |
| 13000 | 5.1193 | 1.5991 | 1.6717 | 39.4125 | 10.1246 | 1.59462 |
| 13100 | 5.1269 | 1.5927 | 1.6836 | 39.5903 | 10.2243 | 1.60738 |
| 13200 | 5.1343 | 1.5863 | 1.6953 | 39.7664 | 10.3220 | 1.62003 |
| 13300 | 5.1416 | 1.5801 | 1.7070 | 39.9403 | 10.4179 | 1.63259 |
| 13400 | 5.1488 | 1.5739 | 1.7186 | 40.1135 | 10.5125 | 1.64511 |
| 13500 | 5.1558 | 1.5678 | 1.7300 | 40.2833 | 10.6039 | 1.65743 |
| 13600 | 5.1627 | 1.5617 | 1.7413 | 40.4520 | 10.6939 | 1.66966 |
| 13700 | 5.1694 | 1.5558 | 1.7524 | 40.6182 | 10.7815 | 1.68173 |
| 13800 | 5.1760 | 1.5499 | 1.7633 | 40.7817 | 10.8664 | 1.69359 |
| 13900 | 5.1824 | 1.5442 | 1.7741 | 40.9443 | 10.9500 | 1.70541 |
| 14000 | 5.1887 | 1.5385 | 1.7846 | 41.1029 | 11.0299 | 1.71689 |
| 14100 | 5.1949 | 1.5329 | 1.7949 | 41.2597 | 11.1081 | 1.72829 |
| 14200 | 5.2009 | 1.5274 | 1.8050 | 41.4142 | 11.1838 | 1.73950 |
| 14300 | 5.2068 | 1.5220 | 1.8149 | 41.5661 | 11.2567 | 1.75046 |
| 14400 | 5.2125 | 1.5166 | 1.8245 | 41.7152 | 11.3271 | 1.76122 |
| 14500 | 5.2181 | 1.5114 | 1.8339 | 41.8615 | 11.3950 | 1.77175 |
| 14600 | 5.2235 | 1.5063 | 1.8430 | 42.0052 | 11.4601 | 1.78206 |
| 14700 | 5.2289 | 1.5012 | 1.8520 | 42.1474 | 11.5239 | 1.79225 |
| 14800 | 5.2341 | 1.4962 | 1.8606 | 42.2861 | 11.5843 | 1.80214 |
| 14900 | 5.2393 | 1.4913 | 1.8691 | 42.4231 | 11.6432 | 1.81192 |
| 15000 | 5.2443 | 1.4865 | 1.8773 | 42.5579 | 11.6999 | 1.82147 |

LOG P= 3.6

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 5500 | 4.4604  | 2.1979  | 1.2528 | 28.4813 | 5.2479 | 1.02927 |
| 5600 | 4.4704  | 2.1904  | 1.2520 | 28.6025 | 5.2744 | 1.03207 |
| 5700 | 4.4803  | 2.1829  | 1.2515 | 28.7233 | 5.3013 | 1.03497 |

|       |        |        |        |         |        |         |
|-------|--------|--------|--------|---------|--------|---------|
| 5800  | 4.4900 | 2.1755 | 1.2511 | 28.8422 | 5.3279 | 1.03796 |
| 5900  | 4.4996 | 2.1681 | 1.2509 | 28.9603 | 5.3549 | 1.04106 |
| 6000  | 4.5091 | 2.1608 | 1.2509 | 29.0776 | 5.3817 | 1.04424 |
| 6100  | 4.5184 | 2.1536 | 1.2510 | 29.1940 | 5.4086 | 1.04750 |
| 6200  | 4.5276 | 2.1464 | 1.2514 | 29.3086 | 5.4355 | 1.05083 |
| 6300  | 4.5367 | 2.1393 | 1.2519 | 29.4226 | 5.4624 | 1.05425 |
| 6400  | 4.5457 | 2.1322 | 1.2525 | 29.5361 | 5.4892 | 1.05773 |
| 6500  | 4.5546 | 2.1252 | 1.2532 | 29.6486 | 5.5164 | 1.06127 |
| 6600  | 4.5633 | 2.1183 | 1.2541 | 29.7598 | 5.5435 | 1.06489 |
| 6700  | 4.5720 | 2.1114 | 1.2552 | 29.8704 | 5.5706 | 1.06854 |
| 6800  | 4.5805 | 2.1046 | 1.2563 | 29.9809 | 5.5980 | 1.07224 |
| 6900  | 4.5890 | 2.0978 | 1.2575 | 30.0902 | 5.6255 | 1.07600 |
| 7000  | 4.5974 | 2.0911 | 1.2589 | 30.1995 | 5.6534 | 1.07980 |
| 7100  | 4.6057 | 2.0844 | 1.2604 | 30.3073 | 5.6814 | 1.08367 |
| 7200  | 4.6140 | 2.0778 | 1.2619 | 30.4155 | 5.7099 | 1.08757 |
| 7300  | 4.6221 | 2.0712 | 1.2636 | 30.5234 | 5.7388 | 1.09154 |
| 7400  | 4.6303 | 2.0647 | 1.2654 | 30.6314 | 5.7682 | 1.09554 |
| 7500  | 4.6384 | 2.0582 | 1.2673 | 30.7393 | 5.7982 | 1.09959 |
| 7600  | 4.6464 | 2.0518 | 1.2693 | 30.8471 | 5.8290 | 1.10371 |
| 7700  | 4.6544 | 2.0454 | 1.2714 | 30.9547 | 5.8605 | 1.10791 |
| 7800  | 4.6624 | 2.0390 | 1.2736 | 31.0631 | 5.8928 | 1.11217 |
| 7900  | 4.6704 | 2.0327 | 1.2760 | 31.1715 | 5.9260 | 1.11650 |
| 8000  | 4.6784 | 2.0264 | 1.2784 | 31.2804 | 5.9604 | 1.12090 |
| 8100  | 4.6863 | 2.0201 | 1.2810 | 31.3901 | 5.9958 | 1.12540 |
| 8200  | 4.6943 | 2.0139 | 1.2837 | 31.5002 | 6.0322 | 1.12994 |
| 8300  | 4.7023 | 2.0076 | 1.2866 | 31.6114 | 6.0700 | 1.13462 |
| 8400  | 4.7103 | 2.0014 | 1.2896 | 31.7235 | 6.1093 | 1.13942 |
| 8500  | 4.7183 | 1.9952 | 1.2928 | 31.8368 | 6.1501 | 1.14431 |
| 8600  | 4.7264 | 1.9890 | 1.2961 | 31.9517 | 6.1922 | 1.14934 |
| 8700  | 4.7344 | 1.9828 | 1.2996 | 32.0670 | 6.2358 | 1.15445 |
| 8800  | 4.7425 | 1.9766 | 1.3032 | 32.1838 | 6.2812 | 1.15975 |
| 8900  | 4.7507 | 1.9705 | 1.3071 | 32.3020 | 6.3284 | 1.16515 |
| 9000  | 4.7589 | 1.9643 | 1.3111 | 32.4220 | 6.3773 | 1.17073 |
| 9100  | 4.7671 | 1.9581 | 1.3153 | 32.5436 | 6.4282 | 1.17649 |
| 9200  | 4.7754 | 1.9519 | 1.3198 | 32.6669 | 6.4810 | 1.18240 |
| 9300  | 4.7838 | 1.9457 | 1.3243 | 32.7919 | 6.5354 | 1.18844 |
| 9400  | 4.7922 | 1.9394 | 1.3292 | 32.9187 | 6.5921 | 1.19470 |
| 9500  | 4.8006 | 1.9332 | 1.3342 | 33.0476 | 6.6510 | 1.20114 |
| 9600  | 4.8091 | 1.9269 | 1.3395 | 33.1785 | 6.7118 | 1.20779 |
| 9700  | 4.8177 | 1.9207 | 1.3450 | 33.3108 | 6.7745 | 1.21461 |
| 9800  | 4.8263 | 1.9143 | 1.3507 | 33.4457 | 6.8397 | 1.22167 |
| 9900  | 4.8349 | 1.9080 | 1.3567 | 33.5825 | 6.9067 | 1.22892 |
| 10000 | 4.8436 | 1.9017 | 1.3629 | 33.7214 | 6.9757 | 1.23636 |
| 10100 | 4.8523 | 1.8953 | 1.3694 | 33.8629 | 7.0471 | 1.24405 |
| 10200 | 4.8611 | 1.8889 | 1.3760 | 34.0059 | 7.1204 | 1.25194 |
| 10300 | 4.8700 | 1.8825 | 1.3830 | 34.1515 | 7.1963 | 1.26011 |
| 10400 | 4.8788 | 1.8760 | 1.3902 | 34.2993 | 7.2741 | 1.26847 |
| 10500 | 4.8877 | 1.8696 | 1.3977 | 34.4484 | 7.3537 | 1.27705 |
| 10600 | 4.8966 | 1.8630 | 1.4054 | 34.6008 | 7.4357 | 1.28590 |
| 10700 | 4.9056 | 1.8565 | 1.4133 | 34.7547 | 7.5195 | 1.29495 |
| 10800 | 4.9145 | 1.8500 | 1.4215 | 34.9108 | 7.6049 | 1.30421 |
| 10900 | 4.9235 | 1.8434 | 1.4300 | 35.0691 | 7.6929 | 1.31376 |
| 11000 | 4.9325 | 1.8368 | 1.4387 | 35.2293 | 7.7823 | 1.32351 |
| 11100 | 4.9415 | 1.8302 | 1.4476 | 35.3910 | 7.8732 | 1.33345 |
| 11200 | 4.9505 | 1.8235 | 1.4568 | 35.5549 | 7.9664 | 1.34368 |
| 11300 | 4.9594 | 1.8169 | 1.4661 | 35.7197 | 8.0599 | 1.35402 |
| 11400 | 4.9684 | 1.8102 | 1.4757 | 35.8865 | 8.1555 | 1.36462 |
| 11500 | 4.9773 | 1.8035 | 1.4856 | 36.0562 | 8.2532 | 1.37550 |
| 11600 | 4.9862 | 1.7969 | 1.4956 | 36.2254 | 8.3508 | 1.38646 |
| 11700 | 4.9951 | 1.7902 | 1.5058 | 36.3974 | 8.4503 | 1.39765 |
| 11800 | 5.0039 | 1.7835 | 1.5162 | 36.5698 | 8.5504 | 1.40903 |
| 11900 | 5.0127 | 1.7768 | 1.5269 | 36.7442 | 8.6523 | 1.42064 |
| 12000 | 5.0214 | 1.7701 | 1.5376 | 36.9179 | 8.7532 | 1.43227 |
| 12100 | 5.0300 | 1.7635 | 1.5485 | 37.0933 | 8.8556 | 1.44411 |
| 12200 | 5.0386 | 1.7568 | 1.5595 | 37.2692 | 8.9582 | 1.45608 |
| 12300 | 5.0471 | 1.7502 | 1.5707 | 37.4465 | 9.0618 | 1.46824 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 12400 | 5.0555 | 1.7436 | 1.5819 | 37.6225 | 9.1639  | 1.48036 |
| 12500 | 5.0639 | 1.7370 | 1.5932 | 37.7998 | 9.2671  | 1.49267 |
| 12600 | 5.0721 | 1.7304 | 1.6046 | 37.9766 | 9.3696  | 1.50502 |
| 12700 | 5.0802 | 1.7239 | 1.6160 | 38.1526 | 9.4714  | 1.51740 |
| 12800 | 5.0882 | 1.7174 | 1.6275 | 38.3283 | 9.5723  | 1.52978 |
| 12900 | 5.0962 | 1.7110 | 1.6390 | 38.5045 | 9.6734  | 1.54228 |
| 13000 | 5.1040 | 1.7046 | 1.6505 | 38.6794 | 9.7736  | 1.55478 |
| 13100 | 5.1117 | 1.6983 | 1.6620 | 38.8536 | 9.8723  | 1.56725 |
| 13200 | 5.1193 | 1.6920 | 1.6734 | 39.0264 | 9.9696  | 1.57965 |
| 13300 | 5.1267 | 1.6858 | 1.6847 | 39.1977 | 10.0655 | 1.59203 |
| 13400 | 5.1340 | 1.6796 | 1.6961 | 39.3689 | 10.1607 | 1.60441 |
| 13500 | 5.1412 | 1.6735 | 1.7073 | 39.5373 | 10.2534 | 1.61668 |
| 13600 | 5.1483 | 1.6675 | 1.7184 | 39.7051 | 10.3451 | 1.62889 |
| 13700 | 5.1552 | 1.6615 | 1.7294 | 39.8709 | 10.4348 | 1.64100 |
| 13800 | 5.1620 | 1.6557 | 1.7403 | 40.0344 | 10.5224 | 1.65295 |
| 13900 | 5.1687 | 1.6498 | 1.7511 | 40.1976 | 10.6091 | 1.66490 |
| 14000 | 5.1752 | 1.6441 | 1.7616 | 40.3573 | 10.6925 | 1.67657 |
| 14100 | 5.1816 | 1.6385 | 1.7720 | 40.5157 | 10.7746 | 1.68821 |
| 14200 | 5.1879 | 1.6329 | 1.7823 | 40.6721 | 10.8547 | 1.69970 |
| 14300 | 5.1940 | 1.6274 | 1.7923 | 40.8263 | 10.9322 | 1.71098 |
| 14400 | 5.2001 | 1.6220 | 1.8022 | 40.9780 | 11.0076 | 1.72211 |
| 14500 | 5.2059 | 1.6167 | 1.8118 | 41.1273 | 11.0805 | 1.73303 |
| 14600 | 5.2117 | 1.6114 | 1.8212 | 41.2742 | 11.1511 | 1.74377 |
| 14700 | 5.2173 | 1.6063 | 1.8305 | 41.4199 | 11.2204 | 1.75444 |
| 14800 | 5.2228 | 1.6012 | 1.8394 | 41.5623 | 11.2865 | 1.76481 |
| 14900 | 5.2282 | 1.5962 | 1.8482 | 41.7031 | 11.3513 | 1.77510 |
| 15000 | 5.2335 | 1.5913 | 1.8568 | 41.8418 | 11.4137 | 1.78518 |

LCG P= 3.7

| T     | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|-------|---------|---------|--------|---------|--------|---------|
| 6700  | 4.5711  | 2.1998  | 1.2890 | 29.5666 | 5.5594 | 1.06194 |
| 6800  | 4.5795  | 2.1933  | 1.2894 | 29.6748 | 5.5847 | 1.06541 |
| 6900  | 4.5878  | 2.1867  | 1.2900 | 29.7817 | 5.6101 | 1.06894 |
| 7000  | 4.5961  | 2.1803  | 1.2907 | 29.8886 | 5.6359 | 1.07252 |
| 7100  | 4.6042  | 2.1738  | 1.2915 | 29.9942 | 5.6618 | 1.07615 |
| 7200  | 4.6123  | 2.1674  | 1.2924 | 30.0999 | 5.6882 | 1.07983 |
| 7300  | 4.6203  | 2.1611  | 1.2935 | 30.2053 | 5.7150 | 1.08358 |
| 7400  | 4.6283  | 2.1548  | 1.2946 | 30.3108 | 5.7422 | 1.08736 |
| 7500  | 4.6362  | 2.1486  | 1.2959 | 30.4160 | 5.7699 | 1.09119 |
| 7600  | 4.6441  | 2.1423  | 1.2973 | 30.5210 | 5.7983 | 1.09509 |
| 7700  | 4.6520  | 2.1362  | 1.2988 | 30.6258 | 5.8274 | 1.09906 |
| 7800  | 4.6598  | 2.1300  | 1.3004 | 30.7312 | 5.8572 | 1.10309 |
| 7900  | 4.6676  | 2.1239  | 1.3021 | 30.8365 | 5.8878 | 1.10718 |
| 8000  | 4.6754  | 2.1178  | 1.3040 | 30.9421 | 5.9194 | 1.11134 |
| 8100  | 4.6831  | 2.1118  | 1.3060 | 31.0484 | 5.9519 | 1.11559 |
| 8200  | 4.6909  | 2.1057  | 1.3081 | 31.1549 | 5.9852 | 1.11988 |
| 8300  | 4.6987  | 2.0997  | 1.3103 | 31.2622 | 6.0198 | 1.12429 |
| 8400  | 4.7064  | 2.0937  | 1.3127 | 31.3702 | 6.0556 | 1.12880 |
| 8500  | 4.7142  | 2.0878  | 1.3152 | 31.4793 | 6.0928 | 1.13340 |
| 8600  | 4.7221  | 2.0818  | 1.3179 | 31.5897 | 6.1312 | 1.13811 |
| 8700  | 4.7299  | 2.0758  | 1.3207 | 31.7004 | 6.1708 | 1.14291 |
| 8800  | 4.7377  | 2.0699  | 1.3238 | 31.8123 | 6.2121 | 1.14787 |
| 8900  | 4.7456  | 2.0639  | 1.3269 | 31.9253 | 6.2549 | 1.15290 |
| 9000  | 4.7535  | 2.0580  | 1.3302 | 32.0399 | 6.2992 | 1.15810 |
| 9100  | 4.7615  | 2.0520  | 1.3338 | 32.1558 | 6.3453 | 1.16347 |
| 9200  | 4.7695  | 2.0461  | 1.3375 | 32.2731 | 6.3931 | 1.16896 |
| 9300  | 4.7775  | 2.0401  | 1.3413 | 32.3919 | 6.4423 | 1.17456 |
| 9400  | 4.7856  | 2.0342  | 1.3454 | 32.5122 | 6.4935 | 1.18037 |
| 9500  | 4.7938  | 2.0282  | 1.3497 | 32.6344 | 6.5467 | 1.18632 |
| 9600  | 4.8019  | 2.0222  | 1.3542 | 32.7582 | 6.6016 | 1.19246 |
| 9700  | 4.8101  | 2.0162  | 1.3589 | 32.8833 | 6.6582 | 1.19876 |
| 9800  | 4.8184  | 2.0102  | 1.3638 | 33.0107 | 6.7171 | 1.20527 |
| 9900  | 4.8267  | 2.0041  | 1.3689 | 33.1397 | 6.7776 | 1.21194 |
| 10000 | 4.8351  | 1.9981  | 1.3743 | 33.2707 | 6.8400 | 1.21879 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 10100 | 4.8435 | 1.9920 | 1.3798 | 33.4039 | 6.9046  | 1.22586 |
| 10200 | 4.8519 | 1.9859 | 1.3856 | 33.5385 | 6.9708  | 1.23312 |
| 10300 | 4.8604 | 1.9798 | 1.3917 | 33.6754 | 7.0395  | 1.24062 |
| 10400 | 4.8689 | 1.9736 | 1.3980 | 33.8143 | 7.1099  | 1.24830 |
| 10500 | 4.8774 | 1.9675 | 1.4044 | 33.9543 | 7.1820  | 1.25618 |
| 10600 | 4.8860 | 1.9612 | 1.4112 | 34.0974 | 7.2565  | 1.26430 |
| 10700 | 4.8946 | 1.9550 | 1.4182 | 34.2419 | 7.3326  | 1.27262 |
| 10800 | 4.9033 | 1.9488 | 1.4254 | 34.3886 | 7.4103  | 1.28112 |
| 10900 | 4.9119 | 1.9425 | 1.4329 | 34.5372 | 7.4903  | 1.28990 |
| 11000 | 4.9206 | 1.9362 | 1.4406 | 34.6875 | 7.5719  | 1.29886 |
| 11100 | 4.9293 | 1.9299 | 1.4484 | 34.8395 | 7.6549  | 1.30801 |
| 11200 | 4.9380 | 1.9236 | 1.4566 | 34.9934 | 7.7402  | 1.31744 |
| 11300 | 4.9466 | 1.9172 | 1.4650 | 35.1485 | 7.8260  | 1.32698 |
| 11400 | 4.9553 | 1.9109 | 1.4735 | 35.3054 | 7.9138  | 1.33676 |
| 11500 | 4.9640 | 1.9045 | 1.4824 | 35.4652 | 8.0038  | 1.34682 |
| 11600 | 4.9726 | 1.8981 | 1.4914 | 35.6247 | 8.0938  | 1.35697 |
| 11700 | 4.9813 | 1.8917 | 1.5006 | 35.7870 | 8.1858  | 1.36735 |
| 11800 | 4.9899 | 1.8853 | 1.5100 | 35.9499 | 8.2788  | 1.37793 |
| 11900 | 4.9985 | 1.8789 | 1.5196 | 36.1148 | 8.3735  | 1.38873 |
| 12000 | 5.0070 | 1.8725 | 1.5293 | 36.2794 | 8.4677  | 1.39958 |
| 12100 | 5.0154 | 1.8660 | 1.5393 | 36.4459 | 8.5635  | 1.41065 |
| 12200 | 5.0239 | 1.8596 | 1.5493 | 36.6130 | 8.6598  | 1.42187 |
| 12300 | 5.0323 | 1.8532 | 1.5596 | 36.7819 | 8.7575  | 1.43329 |
| 12400 | 5.0406 | 1.8468 | 1.5699 | 36.9499 | 8.8541  | 1.44471 |
| 12500 | 5.0488 | 1.8405 | 1.5804 | 37.1194 | 8.9520  | 1.45635 |
| 12600 | 5.0570 | 1.8341 | 1.5910 | 37.2889 | 9.0499  | 1.46807 |
| 12700 | 5.0651 | 1.8278 | 1.6016 | 37.4579 | 9.1472  | 1.47984 |
| 12800 | 5.0731 | 1.8215 | 1.6123 | 37.6272 | 9.2443  | 1.49165 |
| 12900 | 5.0810 | 1.8152 | 1.6231 | 37.7973 | 9.3419  | 1.50362 |
| 13000 | 5.0889 | 1.8090 | 1.6340 | 37.9667 | 9.4392  | 1.51564 |
| 13100 | 5.0966 | 1.8028 | 1.6448 | 38.1359 | 9.5355  | 1.52767 |
| 13200 | 5.1042 | 1.7966 | 1.6557 | 38.3043 | 9.6308  | 1.53969 |
| 13300 | 5.1118 | 1.7905 | 1.6665 | 38.4715 | 9.7252  | 1.55173 |
| 13400 | 5.1192 | 1.7844 | 1.6774 | 38.6393 | 9.8196  | 1.56383 |
| 13500 | 5.1265 | 1.7784 | 1.6882 | 38.8048 | 9.9120  | 1.57590 |
| 13600 | 5.1337 | 1.7724 | 1.6990 | 38.9702 | 10.0037 | 1.58792 |
| 13700 | 5.1408 | 1.7665 | 1.7097 | 39.1341 | 10.0940 | 1.59989 |
| 13800 | 5.1477 | 1.7607 | 1.7203 | 39.2961 | 10.1825 | 1.61175 |
| 13900 | 5.1546 | 1.7549 | 1.7309 | 39.4585 | 10.2707 | 1.62367 |
| 14000 | 5.1613 | 1.7492 | 1.7412 | 39.6176 | 10.3561 | 1.63535 |
| 14100 | 5.1679 | 1.7435 | 1.7516 | 39.7760 | 10.4405 | 1.64706 |
| 14200 | 5.1744 | 1.7379 | 1.7618 | 39.9329 | 10.5233 | 1.65867 |
| 14300 | 5.1808 | 1.7324 | 1.7718 | 40.0879 | 10.6039 | 1.67009 |
| 14400 | 5.1871 | 1.7270 | 1.7817 | 40.2409 | 10.6828 | 1.68143 |
| 14500 | 5.1932 | 1.7216 | 1.7913 | 40.3917 | 10.7594 | 1.69259 |
| 14600 | 5.1992 | 1.7163 | 1.8008 | 40.5406 | 10.8341 | 1.70360 |
| 14700 | 5.2051 | 1.7111 | 1.8102 | 40.6885 | 10.9078 | 1.71459 |
| 14800 | 5.2108 | 1.7060 | 1.8194 | 40.8334 | 10.9785 | 1.72531 |
| 14900 | 5.2165 | 1.7009 | 1.8284 | 40.9771 | 11.0483 | 1.73599 |
| 15000 | 5.2220 | 1.6959 | 1.8372 | 41.1189 | 11.1159 | 1.74649 |

LOG P= 3.8

| T    | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|------|---------|---------|--------|---------|--------|---------|
| 8200 | 4.6883  | 2.1955  | 1.3392 | 30.8152 | 5.9501 | 1.11011 |
| 8300 | 4.6959  | 2.1897  | 1.3408 | 30.9190 | 5.9816 | 1.11425 |
| 8400 | 4.7035  | 2.1840  | 1.3425 | 31.0235 | 6.0143 | 1.11849 |
| 8500 | 4.7111  | 2.1782  | 1.3444 | 31.1287 | 6.0482 | 1.12281 |
| 8600 | 4.7186  | 2.1725  | 1.3464 | 31.2351 | 6.0832 | 1.12723 |
| 8700 | 4.7262  | 2.1668  | 1.3486 | 31.3416 | 6.1191 | 1.13172 |
| 8800 | 4.7338  | 2.1611  | 1.3509 | 31.4490 | 6.1567 | 1.13636 |
| 8900 | 4.7415  | 2.1554  | 1.3533 | 31.5574 | 6.1954 | 1.14106 |
| 9000 | 4.7491  | 2.1497  | 1.3560 | 31.6671 | 6.2355 | 1.14591 |
| 9100 | 4.7568  | 2.1440  | 1.3588 | 31.7779 | 6.2773 | 1.15091 |
| 9200 | 4.7645  | 2.1383  | 1.3618 | 31.8899 | 6.3206 | 1.15601 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 9300  | 4.7723 | 2.1326 | 1.3649 | 32.0032 | 6.3650  | 1.16122 |
| 9400  | 4.7801 | 2.1269 | 1.3683 | 32.1177 | 6.4113  | 1.16660 |
| 9500  | 4.7879 | 2.1212 | 1.3718 | 32.2338 | 6.4593  | 1.17211 |
| 9600  | 4.7958 | 2.1155 | 1.3755 | 32.3514 | 6.5089  | 1.17780 |
| 9700  | 4.8037 | 2.1097 | 1.3794 | 32.4700 | 6.5601  | 1.18362 |
| 9800  | 4.8116 | 2.1040 | 1.3835 | 32.5906 | 6.6132  | 1.18962 |
| 9900  | 4.8196 | 2.0982 | 1.3878 | 32.7127 | 6.6678  | 1.19577 |
| 10000 | 4.8276 | 2.0925 | 1.3923 | 32.8364 | 6.7241  | 1.20208 |
| 10100 | 4.8357 | 2.0867 | 1.3970 | 32.9622 | 6.7824  | 1.20858 |
| 10200 | 4.8438 | 2.0809 | 1.4019 | 33.0891 | 6.8423  | 1.21525 |
| 10300 | 4.8520 | 2.0750 | 1.4070 | 33.2181 | 6.9043  | 1.22215 |
| 10400 | 4.8601 | 2.0692 | 1.4124 | 33.3489 | 6.9680  | 1.22920 |
| 10500 | 4.8683 | 2.0633 | 1.4179 | 33.4807 | 7.0332  | 1.23643 |
| 10600 | 4.8766 | 2.0574 | 1.4238 | 33.6153 | 7.1006  | 1.24388 |
| 10700 | 4.8849 | 2.0515 | 1.4298 | 33.7511 | 7.1696  | 1.25152 |
| 10800 | 4.8932 | 2.0456 | 1.4360 | 33.8891 | 7.2401  | 1.25932 |
| 10900 | 4.9015 | 2.0396 | 1.4425 | 34.0287 | 7.3128  | 1.26738 |
| 11000 | 4.9099 | 2.0337 | 1.4492 | 34.1700 | 7.3870  | 1.27560 |
| 11100 | 4.9182 | 2.0277 | 1.4561 | 34.3128 | 7.4625  | 1.28401 |
| 11200 | 4.9266 | 2.0216 | 1.4632 | 34.4575 | 7.5403  | 1.29266 |
| 11300 | 4.9350 | 2.0156 | 1.4705 | 34.6033 | 7.6186  | 1.30144 |
| 11400 | 4.9433 | 2.0096 | 1.4781 | 34.7508 | 7.6990  | 1.31044 |
| 11500 | 4.9518 | 2.0035 | 1.4859 | 34.9012 | 7.7815  | 1.31972 |
| 11600 | 4.9601 | 1.9974 | 1.4938 | 35.0515 | 7.8642  | 1.32908 |
| 11700 | 4.9685 | 1.9913 | 1.5020 | 35.2045 | 7.9488  | 1.33867 |
| 11800 | 4.9769 | 1.9852 | 1.5104 | 35.3581 | 8.0346  | 1.34845 |
| 11900 | 4.9852 | 1.9790 | 1.5190 | 35.5138 | 8.1222  | 1.35846 |
| 12000 | 4.9935 | 1.9729 | 1.5277 | 35.6695 | 8.2096  | 1.36853 |
| 12100 | 5.0018 | 1.9668 | 1.5366 | 35.8270 | 8.2986  | 1.37882 |
| 12200 | 5.0100 | 1.9607 | 1.5457 | 35.9854 | 8.3884  | 1.38927 |
| 12300 | 5.0183 | 1.9545 | 1.5550 | 36.1457 | 8.4798  | 1.39995 |
| 12400 | 5.0264 | 1.9484 | 1.5643 | 36.3055 | 8.5704  | 1.41063 |
| 12500 | 5.0346 | 1.9423 | 1.5739 | 36.4670 | 8.6626  | 1.42156 |
| 12600 | 5.0426 | 1.9361 | 1.5836 | 36.6287 | 8.7549  | 1.43258 |
| 12700 | 5.0506 | 1.9300 | 1.5933 | 36.7903 | 8.8472  | 1.44368 |
| 12800 | 5.0585 | 1.9240 | 1.6032 | 36.9525 | 8.9395  | 1.45436 |
| 12900 | 5.0664 | 1.9179 | 1.6131 | 37.1158 | 9.0327  | 1.46621 |
| 13000 | 5.0742 | 1.9118 | 1.6232 | 37.2788 | 9.1259  | 1.47766 |
| 13100 | 5.0819 | 1.9058 | 1.6333 | 37.4420 | 9.2186  | 1.48915 |
| 13200 | 5.0896 | 1.8998 | 1.6435 | 37.6048 | 9.3108  | 1.50066 |
| 13300 | 5.0971 | 1.8939 | 1.6536 | 37.7669 | 9.4025  | 1.51223 |
| 13400 | 5.1046 | 1.8879 | 1.6639 | 37.9299 | 9.4945  | 1.52390 |
| 13500 | 5.1119 | 1.8820 | 1.6742 | 38.0914 | 9.5853  | 1.53564 |
| 13600 | 5.1192 | 1.8762 | 1.6844 | 38.2530 | 9.6756  | 1.54731 |
| 13700 | 5.1264 | 1.8704 | 1.6946 | 38.4135 | 9.7651  | 1.55900 |
| 13800 | 5.1335 | 1.8646 | 1.7047 | 38.5727 | 9.8532  | 1.57061 |
| 13900 | 5.1405 | 1.8589 | 1.7149 | 38.7327 | 9.9414  | 1.58233 |
| 14000 | 5.1473 | 1.8533 | 1.7249 | 38.8899 | 10.0272 | 1.59386 |
| 14100 | 5.1541 | 1.8477 | 1.7349 | 39.0469 | 10.1126 | 1.60546 |
| 14200 | 5.1608 | 1.8421 | 1.7448 | 39.2028 | 10.1968 | 1.61702 |
| 14300 | 5.1673 | 1.8366 | 1.7546 | 39.3573 | 10.2792 | 1.62845 |
| 14400 | 5.1737 | 1.8312 | 1.7643 | 39.5102 | 10.3602 | 1.63982 |
| 14500 | 5.1801 | 1.8259 | 1.7738 | 39.6614 | 10.4396 | 1.65108 |
| 14600 | 5.1863 | 1.8206 | 1.7831 | 39.8110 | 10.5172 | 1.66223 |
| 14700 | 5.1924 | 1.8154 | 1.7924 | 39.9602 | 10.5943 | 1.67341 |
| 14800 | 5.1984 | 1.8103 | 1.8015 | 40.1066 | 10.6687 | 1.68436 |
| 14900 | 5.2043 | 1.8052 | 1.8105 | 40.2523 | 10.7425 | 1.69531 |
| 15000 | 5.2101 | 1.8002 | 1.8192 | 40.3964 | 10.8145 | 1.70613 |

LOG P= 3.9

| T     | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|-------|---------|---------|--------|---------|--------|---------|
| 9800  | 4.8060  | 2.1956  | 1.4105 | 32.1837 | 6.5278 | 1.17465 |
| 9900  | 4.8137  | 2.1901  | 1.4139 | 32.2995 | 6.5770 | 1.18032 |
| 10000 | 4.8214  | 2.1846  | 1.4176 | 32.4169 | 6.6278 | 1.18613 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 10100 | 4.8291 | 2.1791 | 1.4214 | 32.5359 | 6.6805  | 1.19212 |
| 10200 | 4.8369 | 2.1736 | 1.4255 | 32.6560 | 6.7345  | 1.19826 |
| 10300 | 4.8447 | 2.1681 | 1.4297 | 32.7779 | 6.7905  | 1.20460 |
| 10400 | 4.8526 | 2.1625 | 1.4342 | 32.9014 | 6.8480  | 1.21108 |
| 10500 | 4.8605 | 2.1570 | 1.4388 | 33.0257 | 6.9070  | 1.21771 |
| 10600 | 4.8684 | 2.1514 | 1.4437 | 33.1526 | 6.9679  | 1.22455 |
| 10700 | 4.8764 | 2.1458 | 1.4488 | 33.2806 | 7.0304  | 1.23155 |
| 10800 | 4.8843 | 2.1402 | 1.4540 | 33.4106 | 7.0942  | 1.23871 |
| 10900 | 4.8923 | 2.1345 | 1.4595 | 33.5420 | 7.1600  | 1.24610 |
| 11000 | 4.9004 | 2.1289 | 1.4652 | 33.6750 | 7.2274  | 1.25364 |
| 11100 | 4.9084 | 2.1232 | 1.4711 | 33.8094 | 7.2960  | 1.26135 |
| 11200 | 4.9165 | 2.1175 | 1.4772 | 33.9455 | 7.3667  | 1.26929 |
| 11300 | 4.9245 | 2.1118 | 1.4835 | 34.0828 | 7.4381  | 1.27735 |
| 11400 | 4.9326 | 2.1061 | 1.4900 | 34.2216 | 7.5113  | 1.28561 |
| 11500 | 4.9408 | 2.1003 | 1.4968 | 34.3631 | 7.5867  | 1.29413 |
| 11600 | 4.9488 | 2.0946 | 1.5036 | 34.5046 | 7.6624  | 1.30274 |
| 11700 | 4.9569 | 2.0888 | 1.5108 | 34.6488 | 7.7400  | 1.31157 |
| 11800 | 4.9650 | 2.0830 | 1.5181 | 34.7936 | 7.8188  | 1.32059 |
| 11900 | 4.9731 | 2.0772 | 1.5256 | 34.9405 | 7.8994  | 1.32982 |
| 12000 | 4.9812 | 2.0714 | 1.5333 | 35.0874 | 7.9800  | 1.33912 |
| 12100 | 4.9893 | 2.0655 | 1.5411 | 35.2363 | 8.0623  | 1.34865 |
| 12200 | 4.9973 | 2.0597 | 1.5492 | 35.3861 | 8.1455  | 1.35833 |
| 12300 | 5.0053 | 2.0539 | 1.5574 | 35.5379 | 8.2304  | 1.36824 |
| 12400 | 5.0133 | 2.0480 | 1.5657 | 35.6894 | 8.3149  | 1.37818 |
| 12500 | 5.0212 | 2.0422 | 1.5743 | 35.8429 | 8.4010  | 1.38837 |
| 12600 | 5.0292 | 2.0363 | 1.5829 | 35.9967 | 8.4875  | 1.39867 |
| 12700 | 5.0370 | 2.0305 | 1.5917 | 36.1506 | 8.5744  | 1.40907 |
| 12800 | 5.0448 | 2.0247 | 1.6006 | 36.3054 | 8.6615  | 1.41956 |
| 12900 | 5.0526 | 2.0189 | 1.6096 | 36.4616 | 8.7496  | 1.43025 |
| 13000 | 5.0603 | 2.0130 | 1.6187 | 36.6177 | 8.8382  | 1.44105 |
| 13100 | 5.0680 | 2.0072 | 1.6279 | 36.7744 | 8.9265  | 1.45192 |
| 13200 | 5.0755 | 2.0015 | 1.6372 | 36.9310 | 9.0147  | 1.46286 |
| 13300 | 5.0830 | 1.9957 | 1.6465 | 37.0872 | 9.1029  | 1.47388 |
| 13400 | 5.0905 | 1.9900 | 1.6560 | 37.2447 | 9.1916  | 1.48502 |
| 13500 | 5.0979 | 1.9842 | 1.6656 | 37.4013 | 9.2799  | 1.49635 |
| 13600 | 5.1052 | 1.9786 | 1.6751 | 37.5582 | 9.3677  | 1.50757 |
| 13700 | 5.1124 | 1.9729 | 1.6846 | 37.7145 | 9.4551  | 1.51886 |
| 13800 | 5.1195 | 1.9673 | 1.6941 | 37.8698 | 9.5415  | 1.53010 |
| 13900 | 5.1266 | 1.9617 | 1.7037 | 38.0263 | 9.6285  | 1.54148 |
| 14000 | 5.1335 | 1.9562 | 1.7131 | 38.1804 | 9.7134  | 1.55274 |
| 14100 | 5.1404 | 1.9507 | 1.7226 | 38.3347 | 9.7983  | 1.56408 |
| 14200 | 5.1472 | 1.9453 | 1.7321 | 38.4884 | 9.8824  | 1.57545 |
| 14300 | 5.1538 | 1.9399 | 1.7415 | 38.6411 | 9.9651  | 1.58670 |
| 14400 | 5.1604 | 1.9345 | 1.7508 | 38.7925 | 10.0469 | 1.59797 |
| 14500 | 5.1669 | 1.9293 | 1.7600 | 38.9426 | 10.1273 | 1.60915 |
| 14600 | 5.1732 | 1.9240 | 1.7692 | 39.0916 | 10.2063 | 1.62026 |
| 14700 | 5.1795 | 1.9188 | 1.7783 | 39.2404 | 10.2851 | 1.63143 |
| 14800 | 5.1857 | 1.9137 | 1.7873 | 39.3867 | 10.3615 | 1.64241 |
| 14900 | 5.1918 | 1.9086 | 1.7963 | 39.5326 | 10.4376 | 1.65342 |
| 15000 | 5.1978 | 1.9036 | 1.8051 | 39.6773 | 10.5120 | 1.66432 |

LOG P= 4.0

| T     | LOG H/R | LOG RHO | Z      | S/R     | H/RT   | Z*      |
|-------|---------|---------|--------|---------|--------|---------|
| 11500 | 4.9311  | 2.1948  | 1.5157 | 33.8497 | 7.4198 | 1.27002 |
| 11600 | 4.9389  | 2.1894  | 1.5215 | 33.9832 | 7.4890 | 1.27793 |
| 11700 | 4.9467  | 2.1840  | 1.5276 | 34.1191 | 7.5599 | 1.28604 |
| 11800 | 4.9545  | 2.1785  | 1.5338 | 34.2557 | 7.6320 | 1.29433 |
| 11900 | 4.9624  | 2.1730  | 1.5402 | 34.3943 | 7.7060 | 1.30282 |
| 12000 | 4.9702  | 2.1676  | 1.5468 | 34.5331 | 7.7801 | 1.31139 |
| 12100 | 4.9780  | 2.1621  | 1.5535 | 34.6737 | 7.8559 | 1.32017 |
| 12200 | 4.9858  | 2.1566  | 1.5605 | 34.8154 | 7.9327 | 1.32911 |
| 12300 | 4.9936  | 2.1510  | 1.5676 | 34.9590 | 8.0112 | 1.33827 |
| 12400 | 5.0013  | 2.1455  | 1.5748 | 35.1026 | 8.0895 | 1.34748 |
| 12500 | 5.0091  | 2.1400  | 1.5822 | 35.2481 | 8.1696 | 1.35693 |

|       |        |        |        |         |         |         |
|-------|--------|--------|--------|---------|---------|---------|
| 12600 | 5.0168 | 2.1345 | 1.5898 | 35.3942 | 8.2503  | 1.36650 |
| 12700 | 5.0245 | 2.1289 | 1.5974 | 35.5404 | 8.3315  | 1.37619 |
| 12800 | 5.0322 | 2.1234 | 1.6052 | 35.6878 | 8.4131  | 1.38598 |
| 12900 | 5.0398 | 2.1179 | 1.6131 | 35.8368 | 8.4961  | 1.39597 |
| 13000 | 5.0474 | 2.1124 | 1.6212 | 35.9859 | 8.5796  | 1.40609 |
| 13100 | 5.0550 | 2.1069 | 1.6294 | 36.1358 | 8.6633  | 1.41632 |
| 13200 | 5.0624 | 2.1014 | 1.6376 | 36.2860 | 8.7471  | 1.42663 |
| 13300 | 5.0699 | 2.0959 | 1.6459 | 36.4360 | 8.8311  | 1.43705 |
| 13400 | 5.0773 | 2.0904 | 1.6543 | 36.5876 | 8.9160  | 1.44761 |
| 13500 | 5.0846 | 2.0849 | 1.6631 | 36.7391 | 9.0014  | 1.45849 |
| 13600 | 5.0919 | 2.0795 | 1.6716 | 36.8908 | 9.0861  | 1.46919 |
| 13700 | 5.0991 | 2.0741 | 1.6802 | 37.0423 | 9.1707  | 1.48000 |
| 13800 | 5.1063 | 2.0687 | 1.6887 | 37.1932 | 9.2548  | 1.49079 |
| 13900 | 5.1134 | 2.0634 | 1.6974 | 37.3455 | 9.3397  | 1.50176 |
| 14000 | 5.1203 | 2.0581 | 1.7059 | 37.4960 | 9.4231  | 1.51266 |
| 14100 | 5.1273 | 2.0528 | 1.7146 | 37.6469 | 9.5067  | 1.52367 |
| 14200 | 5.1341 | 2.0475 | 1.7232 | 37.7977 | 9.5901  | 1.53475 |
| 14300 | 5.1409 | 2.0423 | 1.7318 | 37.9480 | 9.6724  | 1.54577 |
| 14400 | 5.1476 | 2.0372 | 1.7403 | 38.0974 | 9.7542  | 1.55684 |
| 14500 | 5.1541 | 2.0320 | 1.7488 | 38.2459 | 9.8350  | 1.56787 |
| 14600 | 5.1606 | 2.0270 | 1.7572 | 38.3937 | 9.9148  | 1.57889 |
| 14700 | 5.1671 | 2.0219 | 1.7657 | 38.5416 | 9.9948  | 1.59000 |
| 14800 | 5.1734 | 2.0170 | 1.7739 | 38.6876 | 10.0727 | 1.60098 |
| 14900 | 5.1797 | 2.0120 | 1.7823 | 38.8335 | 10.1507 | 1.61204 |
| 15000 | 5.1859 | 2.0071 | 1.7905 | 38.9785 | 10.2274 | 1.62304 |