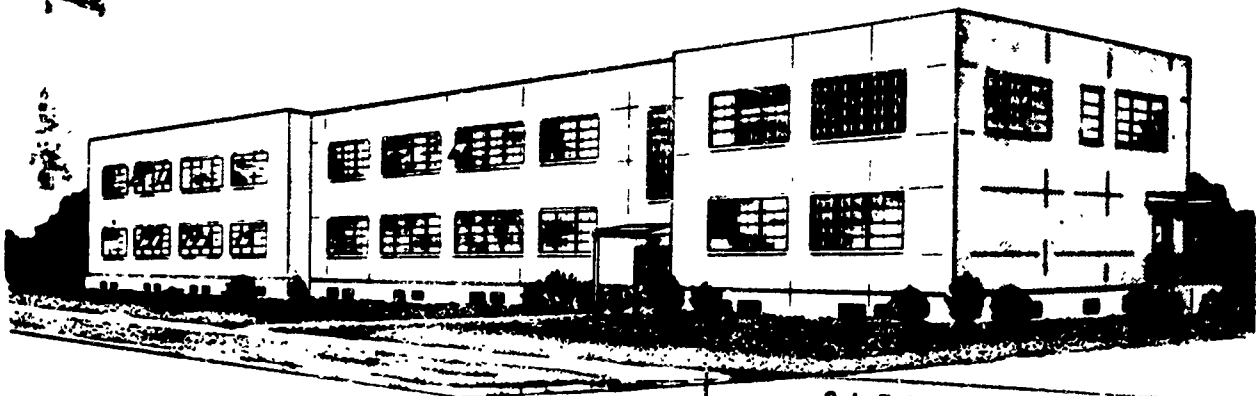


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*Applied Mathematics Laboratory*



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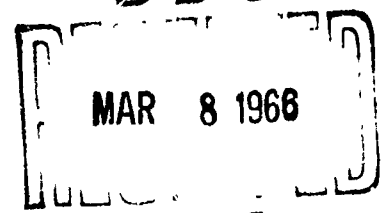
Numerical Determination of Spheroidal  
Wave Function Eigenvalues and  
Expansion Coefficients

*Code 1*

by

M. M. Stuckey  
L. L. Layton

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January 1964

AML Report 164

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## I. ABSTRACT

A method of calculating the eigenvalues and the expansion coefficients of spheroidal wave functions for the prolate and oblate case using a high-speed computer is presented. Special emphasis is placed on a new explanation of the role the parameter  $n$  plays in the numerical determination of eigenvalues. Curves and tables of eigenvalues are included.

## II. INTRODUCTION

Spheroidal wave functions are important in numerous fields of physics, especially in the field of acoustics. A greater interest in these functions has brought about an increased demand for more elaborate tabulation of values of these functions and quantities related to them.

In answer to this demand the Theory Division of the Applied Mathematics Laboratory has completed a study leading to the numerical determination of spheroidal eigenvalues and expansion coefficients of the prolate and oblate case. In our nomenclature we follow the notation of Flammer<sup>1</sup>, but include work in ranges of  $m$ ,  $c$ , and  $n$  exceeding those of Flammer.

Work in these extended ranges was made possible by a re-examination of the parameter  $n$ . The parameter  $n$  is discussed at length in the following sections.

### III. NUMERICAL DETERMINATION OF EIGENVALUES

#### Eigenvalue Equations

In his book "Spheroidal Wave Functions," Flammer [1, p. 16] studies the differential equation satisfied by the angle functions  $S_{mn}(c, \eta)$ , where in his notation

$$\frac{d}{d\eta} \left[ (1 - \eta^2) \frac{dS_{mn}(c, \eta)}{d\eta} \right] + \left[ \lambda_{mn}(c) - c^2 \eta^2 - \frac{m^2}{1 - \eta^2} \right] S_{mn}(c, \eta) = 0 \quad (1.1)$$

Those values  $\lambda_{mn}(c) \equiv \lambda_{mn}$  for which equation (1.1) admits solutions that are finite at  $\eta = \pm 1$  are the eigenvalues of the differential equation (1.1).

The associated eigenfunctions  $S_{mn}(c, \eta)$  are the prolate spheroidal angle functions of the first kind, of order  $m$  and degree  $n$ . Replacement of  $c$  by  $-ic$  in equation (1.1) leads to the oblate spheroidal eigenvalues  $\lambda_{mn}(-ic)$  and angle functions of the first kind  $S_{mn}(-ic, \eta)$ .

When  $c$  vanishes, the differential equation (1.1) becomes the one which is satisfied by the associated Legendre functions. It follows that the angle functions of the first kind must reduce to the associated Legendre functions  $P_{m+r}^{n1}(\eta)$  of the first kind of integral order and degree, as  $c$  goes to zero. Therefore

$$\lambda_{mn}(0) = n(n+1), \quad n \geq m. \quad (1.2)$$

When  $c$  is not zero, equation (1.1) differs from the associated Legendre equation by having an essential singularity at infinity. This suggests for the angle functions of the first kind, an infinite sum of the form

$$S_{mn}(c, \eta) = \sum_{r=0, 1}^{\infty} d_r^{mn}(c) P_{m+r}^m(\eta) \quad (1.3a)$$

$$S_{mn}(-ic, \eta) = \sum_{r=0, 1}^{\infty} d_r^{mn}(-ic) P_{m+r}^m(\eta) \quad (1.3b)$$

### III NUMERICAL DETERMINATION OF EIGENVALUES

#### Eigenvalue Equations

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When  $c$  vanishes, the differential equation (1.1) becomes the one which is satisfied by the associated Legendre functions. It follows that the angle functions of the first kind must reduce to the associated Legendre functions  $P_{m+r}^{nl}(\eta)$  of the first kind of integral order and degree, as  $c$  goes to zero. Therefore

$$\lambda_{mn}(0) = n(n+1), \quad n \geq m. \quad (1.2)$$

When  $c$  is not zero, equation (1.1) differs from the associated Legendre equation by having an essential singularity at infinity. This suggests for the angle functions of the first kind, an infinite sum of the form

$$S_{mn}(c, \eta) = \sum_{r=0, 1}^{\infty} d_r^{mn}(c) P_{m+r}^m(\eta) \quad (1.3a)$$

$$S_{mn}(-ic, \eta) = \sum_{r=0, 1}^{\infty} d_r^{mn}(-ic) P_{m+r}^m(\eta) \quad (1.3b)$$

The prime over the summation sign indicates that the summation is over only even values of  $r$  when  $n-m$  is even, and over only odd values of  $r$  when  $n-m$  is odd. Substitution of equation (1.3a) in equation (1.1) with the subsequent use of the associated Legendre differential equation and of the recursion formulas for the associated Legendre functions, yields the following recursion formula for the coefficients  $d_r^{mn}(c)$ :

$$\begin{aligned} & \frac{(2m+r+2)(2m+r+1)c^2}{(2m+2r+3)(2m+2r+5)} d_{r+2}^{mn}(c) \\ & + \left[ (m+r)(m+r+1) - \lambda_{mn}(c) + \frac{2(m+r)(m+r+1) - 2m^2 - 1}{(2m+2r-1)(2m+2r+3)} c^2 \right] d_r^{mn}(c) \\ & + \frac{r(r-1)c^2}{(2m+2r-3)(2m+2r-1)} d_{r-2}^{mn}(c) = 0, \quad (r = n - m \geq 0). \end{aligned} \quad (1.4)$$

This recursion formula constitutes a linear homogeneous difference equation of the second order. A second-order difference equation corresponds to a differential equation of second order so that there are two non-trivial independent solutions. In equation (1.1) as  $r$  approaches infinity, either  $d_r^{mn} / d_{r-2}^{mn}$  increases as  $-4r^2 / c^2$ , or goes to zero as  $-c^2 / (4r^2)$ . Of these two solutions, the former leads to a divergent series; therefore, the latter is chosen. The expansion (1.3a) then converges absolutely for all finite  $\eta$ .

After this brief resume of how Flammer derived equation (1.4), it is rewritten for purposes of numerical computation as follows:

The difference equation

$$\lambda_{mn}(c) \left( A_{r-2} \frac{d_{r-2}}{d_r} + B_r + C_{r+2} \frac{d_{r+2}}{d_r} \right) = 0, \quad (r = n - m \geq 0) \quad (1.5)$$



where

$$A_{r-2} = \frac{r(r-1)c^2}{[2(m+r)-3][2(m+r)-1]} \quad (1.6)$$

$$B_r = (m+r)(m+r+1) + \frac{2(m+r)(m+r+1) - 2m^2 - 1}{[2(m+r)-1][2(m+r)+3]} c^2 \quad (1.7)$$

$$C_{r+2} = \frac{[r+2m+2][r+2m+1]}{[2(m+r)+3][2(m+r)+5]} c^2 \quad (1.8)$$

has for solutions the convergent infinite continued fraction

$$\frac{d_{r+2}}{d_r} = \frac{A_r}{\lambda_{mn}(c) - B_{r+2} - C_{r+4} \frac{d_{r+4}}{d_{r+2} \dots}} \quad (1.9)$$

and the finite continued fraction

$$\frac{d_{r-2}}{d_r} = \frac{C_r}{\lambda_{mn}(c) - B_{r-2} - A_{r-4} \frac{d_{r-4}}{d_{r-2} \dots}} \quad (1.10)$$

wherein the last term is  $\frac{d_0}{d_2}$  or  $\frac{d_1}{d_3}$  depending on whether  $r$  is even or odd.

The similarity in prolate and oblate eigenvalues and expansion coefficients permits the following section to deal primarily with the prolate case. These equations can be changed from the prolate to the oblate case by the substitution of  $-ic$  for  $c$ .

### The Parameter n

In the following discussion  $\lambda_{mn}(c)$  is referred to as  $\lambda$ . Consider  $c \neq 0$ , for when  $c = 0$  a special case arises in which equation (1.5) reduces to the form  $\lambda = n(n+1)$ .

It appears that the  $\lambda$ 's for which the left side of equation (1.5) is equal to zero, depend upon the values assigned the parameters  $m$ ,  $c$  and  $n$ . It will now be shown, however, that the  $\lambda$ 's depend only on the values of parameters  $m$  and  $c$  and the parity of  $r = n-m$ .

Using the definition:

$$r = (n - m) \geq 0, \text{ where } m \geq 0,$$

holding  $m$  and  $c$  constant, and making use of equation (1.9), equation (1.5) may be written

$$\lambda - B_r - A_{r-2} \frac{d_{r-2}}{d_r} = \frac{A_r C_{r+2}}{\lambda - B_{r+2} - C_{r+4} \frac{d_{r+4}}{d_{r+2}}} \quad (1.5a)$$

Replacing  $r$  by  $r+2$  and making use of equation (1.10), equation (1.5) may be written

$$\lambda - B_{r+2} - C_{r+4} \frac{d_{r+4}}{d_{r+2}} = \frac{A_r C_{r+2}}{\lambda - B_r - A_{r-2} \frac{d_{r-2}}{d_r}} \quad (1.5b)$$

Thus (1.5a) and (1.5b) can be considered equations of the respective forms

$$\frac{uv - A_r C_{r+2}}{v} = 0 \quad (1.5c)$$

$$\frac{uv - A_r C_{r+2}}{u} = 0 \quad (1.5d)$$

where

$$u = \lambda - B_r - A_{r-2} \frac{d_{r-2}}{d_r} \quad (1.11)$$

$$v = \lambda - B_{r+2} - C_{r+4} \frac{d_{r+4}}{d_{r+2}} \quad (1.12)$$

From equations (1.6) and (1.8) it can be seen that  $A_r C_{r+2} \neq 0$ . Therefore, equations (1.5c) and (1.5d) must have identical roots although their poles are not identical.

The conclusion is that given any  $m$  and  $c$ , equation (1.5) will yield a different equation for each new even-valued  $r$ , but all of these equations will have identical roots. Similarly, given odd-valued  $r$ 's, equation (1.5) will yield a family of equations with identical roots. The shapes of the graphs of these equations including the location of poles are altered with each new  $r$ .

Figures 1a - 1d display the effect of varying the value but not the parity of  $r$ . In each example the value of  $n$  was increased by two while  $m$  and  $c$  were held constant. Values of  $\lambda$  are plotted along the horizontal axis, and corresponding values of  $F(\lambda)$ , where  $F(\lambda)$  is equal to the left side of equation (1.5), are plotted along the vertical axis.

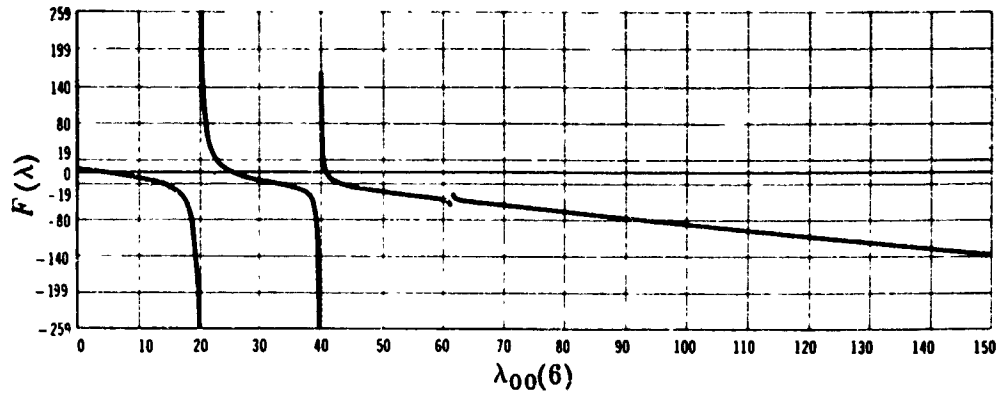


Figure 1a

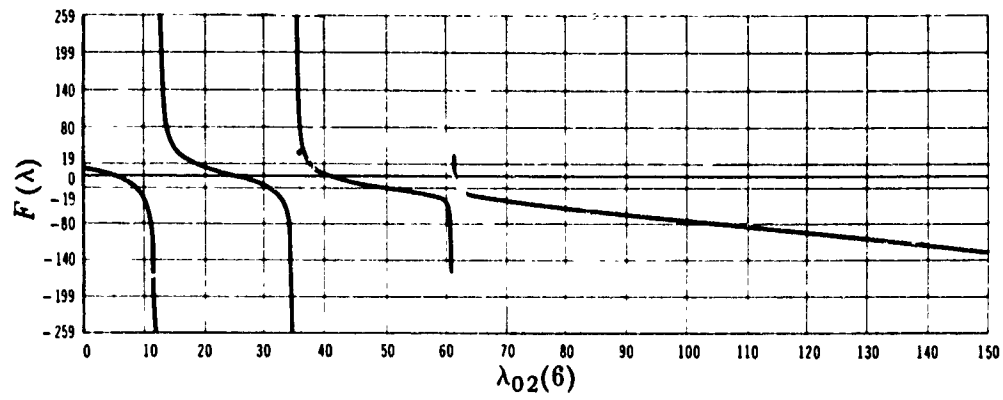


Figure 1b

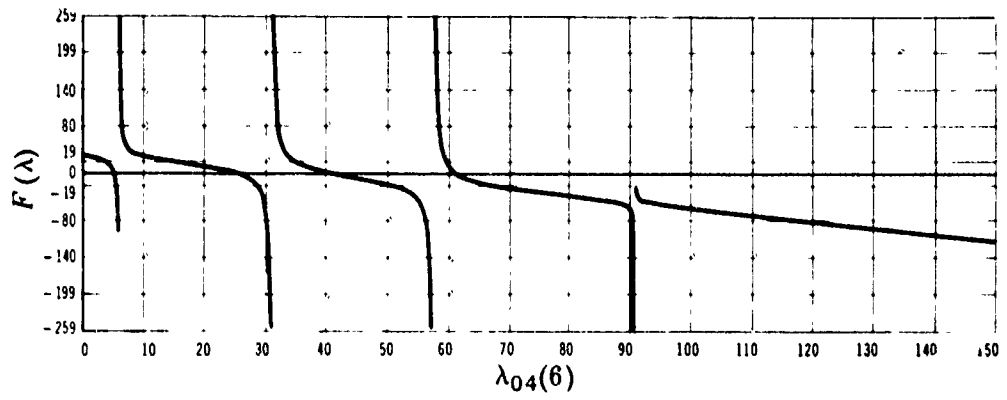


Figure 1c

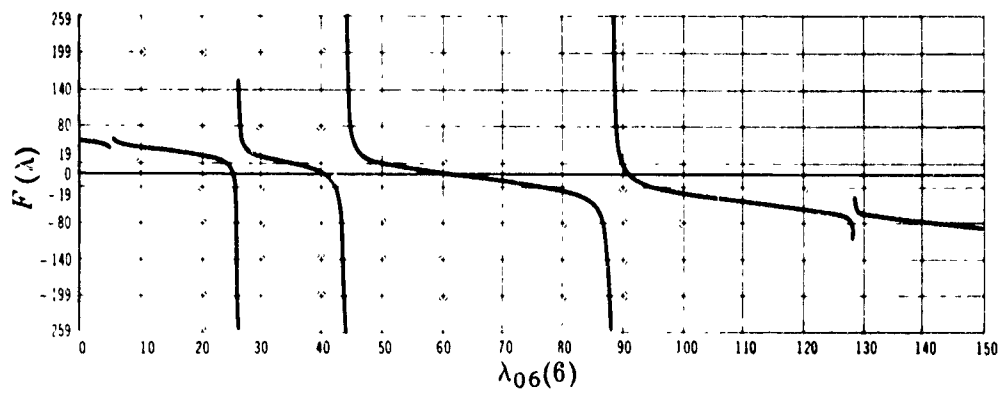


Figure 1d

Figure 1 - Graphs of Equation 1.5 Given  $m = 0, c = 6, n$  as Indicated,  $\lambda = 0-150$  in Incremental Steps of .25

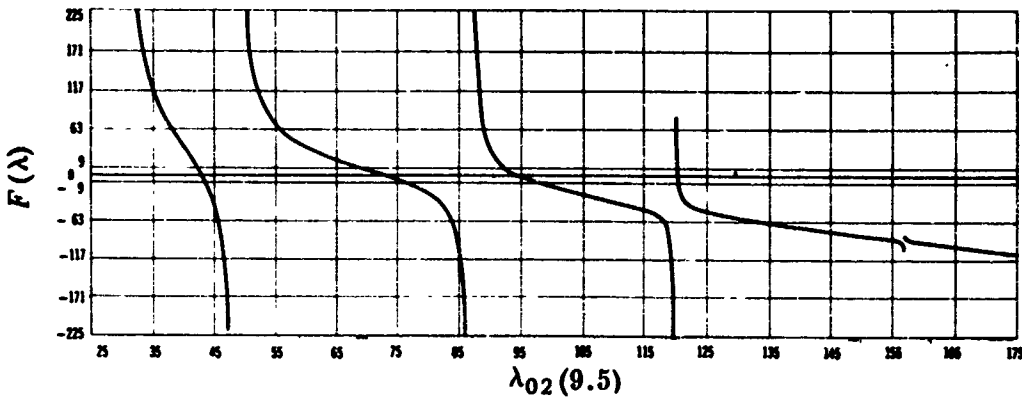


Figure 2a

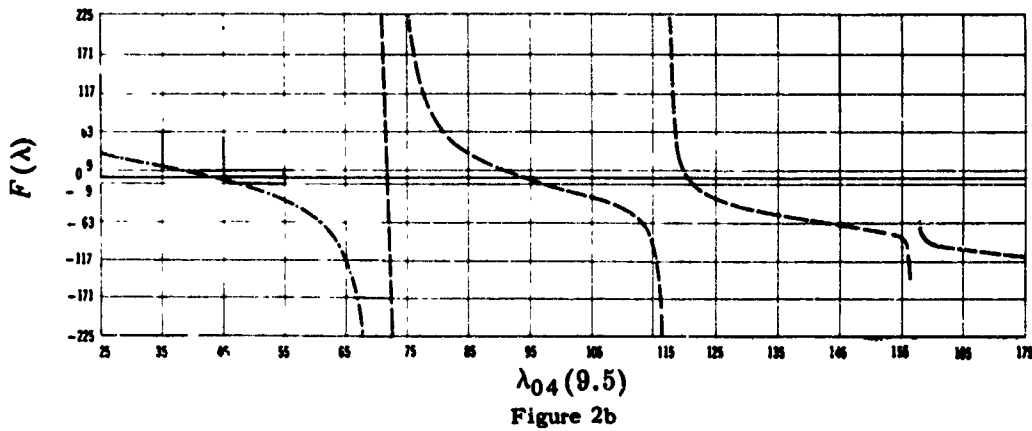


Figure 2b

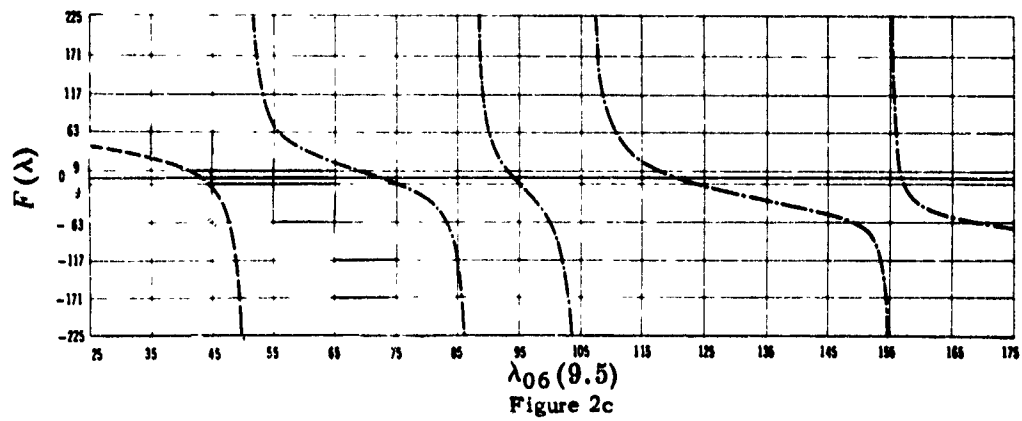


Figure 2c

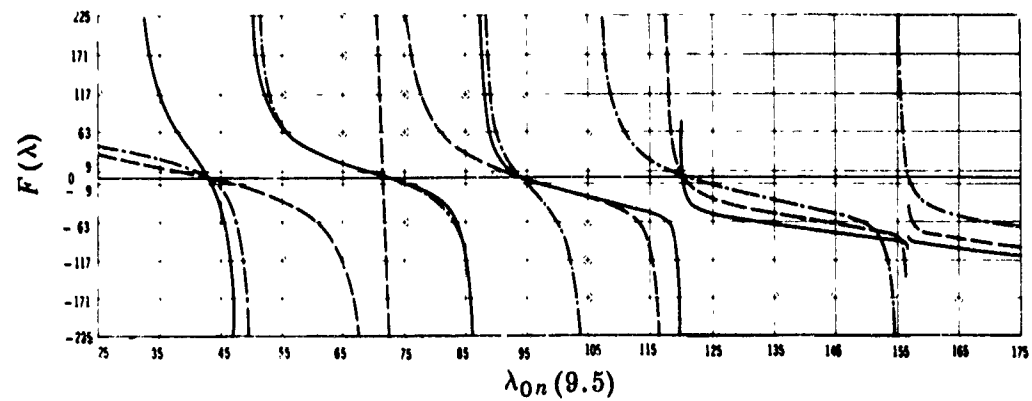


Figure 2d - Superimposed Figures 2a, 2b, and 2c

Figure 2 - Graphs of Equation 1.5 Given  $m = 0$ ,  $c = 9.5$ ,  $n$  as Indicated,  $\lambda = 25-175$  in Incremental Steps of .25

Numerical determination of the roots of equation (1.5) is usually accomplished through some form of a root-seeking technique (i. e., a linear fit, parabolic fit, hyperbolic fit). The effectiveness of such a technique is dependent upon the shape of the graph of the function in the area of the root. In Figure 1a, only three roots are discernable because the steepness of the curve in the neighborhood of each root increases rapidly as  $\lambda$  is increased, and the widths of the neighborhoods where discontinuities occur decrease as  $\lambda$  increases. Only through repeated reduction of the  $\lambda$  increment could the eye detect or the technique used locate additional roots. Such reductions soon render a root-seeking technique impractical.

The value assigned to  $n$  must be carefully chosen when calculating the roots of equation (1.5) because while each new  $n$  of the same parity results in a new equation with identical roots, the graph of each of these equations is of a different shape. The relationship between  $n$  and the shape of the graph of the equation (1.5) for  $n-m$  even is such that when  $n=m$  the shape of the graph of the resulting equation in the region of its first positive root is favorably affected, see Figure 1a; when  $n=m+2$  the region surrounding this new equation's second positive root is favorably affected, see Figure 1b; when  $n=m+4$  the region about the equation's third root is affected, see Figure 1c, etc. A corresponding relationship exists for  $(n-m)$  odd,  $n=m+1$ ,  $n=m+3, \dots$

Studies indicate that for certain combinations of  $m$  and  $c$ , one value of  $n$  will fail to influence the shape of the resultant graph in its usual manner. In these instances the steepness of the curve within the immediate region of the desired root is not decreased enough to permit successful use of a root seeking technique. The result is that the technique gives an adjacent root as a solution. The elusive root can still be located by recomputing equation (1.5) replacing  $n$  by  $n-2$  or  $n+2$  and solving for the  $n^{\text{th}}$  root. Figure 2b illustrates a failure when  $m=0$ ,  $c=9.5$ ,  $n=4$  (second axis crossing). This root can be readily located by recomputing equation 1.5 with  $n=n-2$  (Figure 2a), or  $n=n+2$  (Figure 2c).

#### IV. EXPANSION COEFFICIENTS

Expansion coefficients  $d_r^{mn}$  may be obtained in terms of an arbitrary coefficient,  $d_0$  or  $d_1$ , from equations (1.9) and (1.10) using the correct value of  $\lambda_{mn}$ :

$$d_r = d_0 \left[ \frac{d_r}{d_{r-2}} \frac{d_{r-2}}{d_{r-4}} \cdots \frac{d_2}{d_0} \right]_{r=0, 2, 4, \dots} \quad (2.1)$$

$$d_r = d_1 \left[ \frac{d_r}{d_{r-2}} \frac{d_{r-2}}{d_{r-4}} \cdots \frac{d_3}{d_1} \right]_{r=1, 3, 5, \dots} \quad (2.2)$$

The arbitrariness is removed by the adoption of the normalization used in Flammer.

The magnitude of  $d_0$  is fixed by

$$d_0 \sum_{r=0}^{\infty} \frac{(-1)^{\frac{r}{2}} (r+2m)!}{2^r \left(\frac{r}{2}\right)! \left(\frac{r+2m}{2}\right)!} \frac{d_r}{d_0} = \frac{(-1)^{\frac{n-m}{2}} (n+m)!}{2^{n-m} \left(\frac{n-m}{2}\right)! \left(\frac{n+m}{2}\right)!}, \quad (n-m) \text{ even}, \quad (2.3)$$

The magnitude of  $d_1$  is fixed by

$$d_1 \sum_{r=1}^{\infty} \frac{(-1)^{\frac{r-1}{2}} (r+2m+1)!}{2^r \left(\frac{r-1}{2}\right)! \left(\frac{r+2m+1}{2}\right)!} \frac{d_r}{d_1} = \frac{(-1)^{\frac{n-m-1}{2}} (n+m+1)!}{2^{n-m} \left(\frac{n-m-1}{2}\right)! \left(\frac{n+m+1}{2}\right)!}, \quad (n-m) \text{ odd} \quad (2.4)$$

The expansion coefficients  $d_r^{mn}$  are thereby completely determined.

## V. THE COMPUTER PROGRAM

Spheroidal wave function eigenvalues and expansion coefficients were programmed on an IBM 7090 digital computer. The program was divided into four separate routines:

1. Executive Routine
2. Hyperbolic Subroutine
3. Ordinate Subroutine
4. Coefficient Subroutine

### Executive Routine

This routine has two primary functions; to compute equations (1.6), (1.7), and (1.8) for each set of parameters, and to predict the next eigenvalue to be computed.

Increasing  $c$  with small constant increments from an initial value of zero results in smoothly increasing eigenvalues as shown in Figure 3 and Figure 4. Successive eigenvalues can thus be predicted with a high degree of accuracy. Most root-seeking techniques such as the one used in this program need an initial estimate of the root's location, and the more accurate the estimate the fewer the calculations required.

As previously noted, certain combinations of  $m$ ,  $c$ , and  $n$  may result in the calculation of an adjacent rather than the desired root. These undesired solutions are recognized during computation by examination of first differences of successive eigenvalues. When such a solution is encountered,  $r$  is replaced by  $r + 2$ , and equation (1.5) is again solved. The correct  $\lambda$  is then printed out with an asterisk, which signifies the presence of a trouble area.

### Hyperbolic Subroutine

A hyperbolic root-seeking technique was selected after examination of the appearance of the graphs of numerous eigenvalue equations. Parabolic and straight line methods were used with limited success. Eigenvalues are computed with accuracy to approximately 14 significant digits.



### Ordinate Subroutine

This routine receives approximations of  $\lambda_{mn}(c)$  from the hyperbolic subroutine, and returns corresponding values of  $F(\lambda)$ .

### Coefficient Subroutine

Correct eigenvalues are received from the hyperbolic subroutine, and expansion coefficients are computed using equations (1.9) and (1.10). Normalization is accomplished and coefficients, correct to approximately 12 significant digits, are printed in both normalized and unnormalized form.

The speed of the program is such that the eigenvalue and thirty corresponding expansion coefficients for a given  $m$ ,  $c$ , and  $n$  can be computed in less than two seconds.

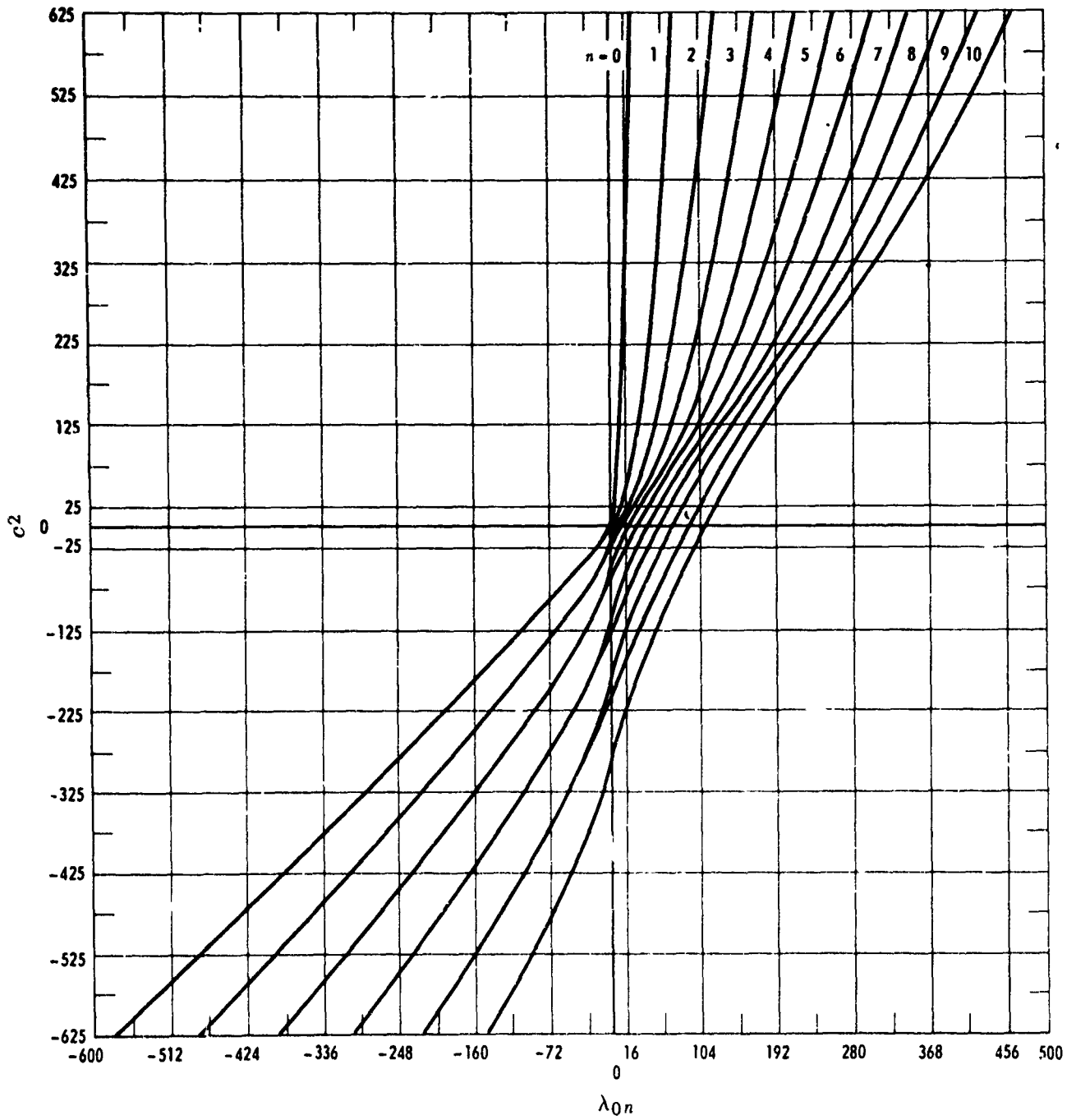


Figure - The Eigenvalues  $\lambda_{0n}$  for  $n = 0 (1) 10$  and  $-625 \leq c^2 < 625$

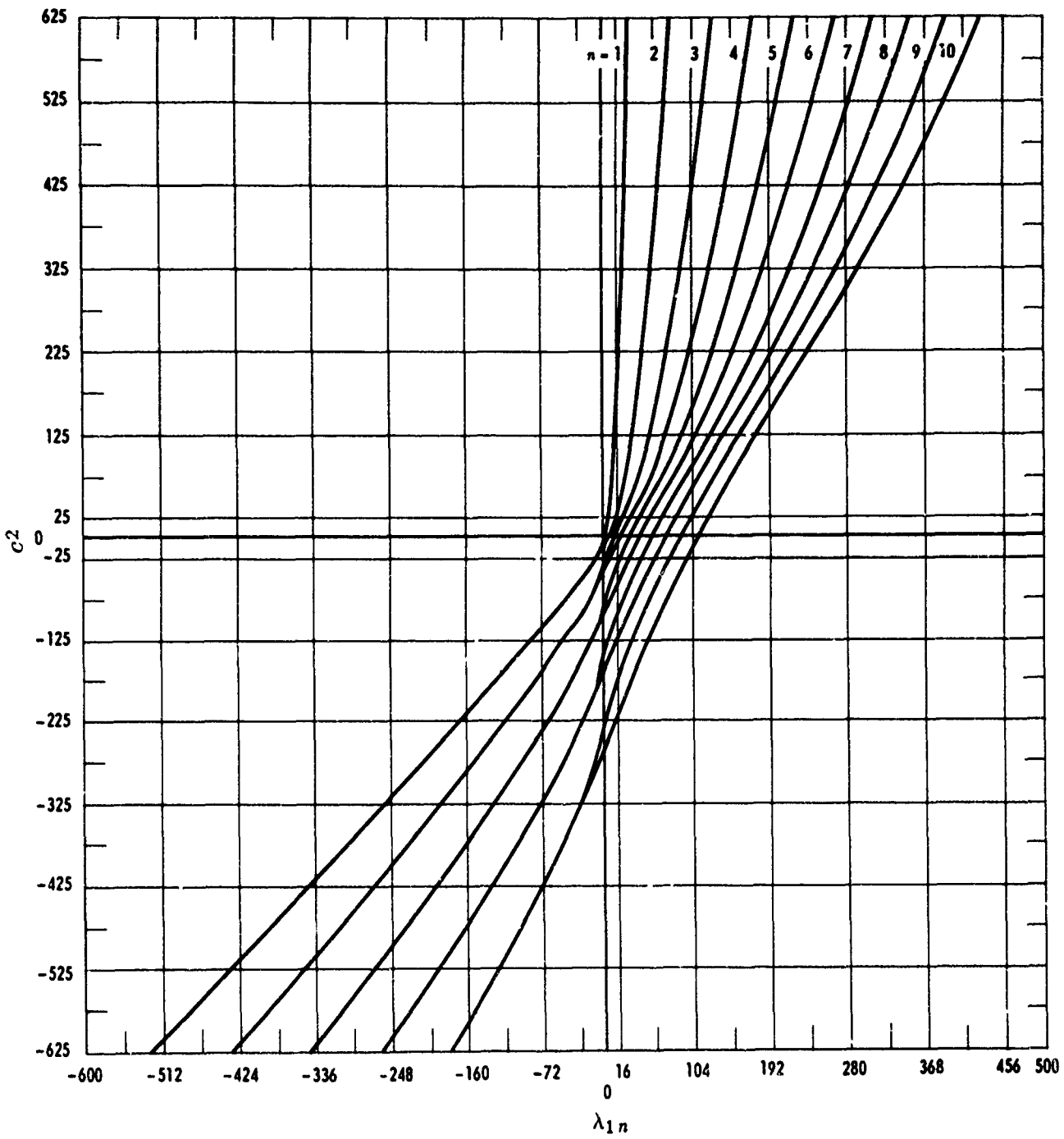


Figure 4 - The Eigenvalues  $\lambda_{1n}$  for  $n = 1$  (1) 10 and  $-625 < c^2 < 625$

## VI. APPENDIX

The difficulty in computing eigenvalues for certain combinations of  $m$ ,  $c$ , and  $n$  was discussed in earlier sections. The following is a list of a few such combinations. Correct solutions are given.

### Prolate Eigenvalues:

$\lambda_0$	17	(18.25)	=	$4.8441935628 \times 10^{+2}$
$\lambda_1$	10	(14.25)	=	$2.2133274256 \times 10^{+2}$
$\lambda_4$	12	(17.75)	=	$2.9662027320 \times 10^{+2}$
$\lambda_5$	19	(20.5)	=	$5.8271662786 \times 10^{+2}$
$\lambda_5$	23	(22.0)	=	$7.9153702431 \times 10^{+2}$
$\lambda_7$	16	(21.75)	=	$4.5767279276 \times 10^{+2}$
$\lambda_9$	25	(24.5)	=	$9.1471897716 \times 10^{+2}$

### Oblate Eigenvalues:

$\lambda_0$	10	(20.75)	=	$-4.8870880218 \times 10^{+1}$
$\lambda_1$	13	(16.0)	=	$6.6192328449 \times 10^{+1}$
$\lambda_2$	12	(22.25)	=	$-2.3406085635 \times 10^{+1}$
$\lambda_2$	14	(24.0)	=	$-6.7428891070 \times 10^0$
$\lambda_3$	5	(10.0)	=	$9.3990925921 \times 10^{-1}$
$\lambda_5$	11	(15.25)	=	$4.4662352475 \times 10^{+1}$
$\lambda_6$	22	(21.25)	=	$3.0524599862 \times 10^{+2}$
$\lambda_8$	14	(18.0)	=	$9.8902450382 \times 10^{+1}$
$\lambda_9$	14	(18.5)	=	$1.0251012270 \times 10^{+2}$

## VII. REFERENCES

1. Flammer, Carson, "Spheroidal Wave Functions", Stanford University Press, 1957.
2. Morse, P.M. and Feshbach, H., "Methods of Theoretical Physics", McGraw-Hill, 1953.
3. Stratton, J. A., Morse, P. M., Chu, L. J., Little, J. D. C., Corbató, F. J., "Spheroidal Wave Functions", John Wiley and Sons, 1956.

## Tables of Numerical Values - Introduction

The tables contain values for the spheroidal eigenvalues and expansion coefficients.

Calculations made were carried out to sixteen significant digits, and table values, which were not rounded, are considered accurate to the last digit given. Values are printed in floating arithmetic form; thus the number 1.6980967154 E 2 is equal to  $1.6980967154 \times 10^{+2}$ . Blanks in the tables indicate that the values of the quantities were so small they were considered insignificant.

Where possible, table values have been compared for accuracy with previously published values.

TABLE 1 - Proleté Eigenvalues

C	N= 3	N= 1	N= 2	N= 3	N= 4
0.25	2.0775577990 E -2	2.0374731994 E 0	6.0327776275 E 0	1.2031957326 E 1	2.0031662779 E 1
0.50	8.2414806742 E -2	2.1495704863 E 0	6.1315792701 E 0	1.2127984584 E 1	2.0126734402 E 1
0.75	1.8289743081 E -1	2.3353197730 E 0	6.2977684004 E 0	1.2288552634 E 1	2.0285465230 E 1
1.00	3.1900005514 E -1	2.5930845799 E 0	6.5334718005 E 0	1.2514462145 E 1	2.0508274362 E 1
1.25	4.8651785045 E -1	2.9205426386 E 0	6.9413543831 E 0	1.2806864264 E 1	2.0795752876 E 1
1.50	6.8057516755 E -1	3.3146625962 E 0	7.3243027784 E 0	1.3167282737 E 1	2.1148669254 E 1
1.75	8.9600264263 E -1	3.7716864554 E 0	7.850393837 E 0	1.3597629658 E 1	2.156777684 E 1
2.00	1.1277340648 E 0	4.2871285439 E 0	8.287130011 E 0	1.410203876 E 1	2.2054829770 E 1
2.25	1.3711609594 E 0	4.8558045169 E 0	8.8475288026 E 0	1.4677658076 E 1	2.2610589793 E 1
2.50	1.6223801569 E 0	5.4719056786 E 0	9.5504766072 E 0	1.5332919048 E 1	2.3236852860 E 1
2.75	1.8783218335 E 0	6.1291317579 E 0	1.0333190652 E 1	1.6069047412 E 1	2.3935464055 E 1
3.00	2.1367322261 E 0	6.820883286 E 0	1.1192938649 E 1	1.6889030220 E 1	2.4708534930 E 1
3.25	2.3960775819 E 0	7.5405418980 E 0	1.2125710754 E 1	1.7795513000 E 1	2.5558451442 E 1
3.50	2.6553963819 E 0	8.2817086758 E 0	1.3126370702 E 1	1.8790495083 E 1	2.6487664915 E 1
3.75	2.9141459045 E 0	9.0385378603 E 0	1.4188839776 E 1	1.9875027652 E 1	2.7499455286 E 1
4.00	3.1720674221 E 0	9.8059438409 E 0	1.5306299994 E 1	2.1048960649 E 1	2.8596854734 E 1
4.25	3.4290807092 E 0	1.0579751622 E 1	1.6371416202 E 1	2.2310777447 E 1	2.9782521006 E 1
4.50	3.6852084187 E 0	1.1356737055 E 1	1.7676581877 E 1	2.3657536974 E 1	3.1059554746 E 1
4.75	3.945257030 E 0	1.2134572406 E 1	1.8914189437 E 1	2.5084920024 E 1	3.2430464524 E 1
5.00	4.1951288726 E 0	1.2911703245 E 1	2.0176914720 E 1	2.6587359607 E 1	3.3897096094 E 1
5.25	4.4491172929 E 0	1.3687191580 E 1	2.1457992490 E 1	2.8158229716 E 1	3.5460355327 E 1
5.50	4.7025839022 E 0	1.4460555877 E 1	2.2751451128 E 1	2.9790071504 E 1	3.7119942351 E 1
5.75	4.9556110138 E 0	1.5231262804 E 1	2.4052275555 E 1	3.1474844762 E 1	3.8874273228 E 1
6.00	5.2086269159 E 0	1.600042753 E 1	2.5356478641 E 1	3.3204199490 E 1	4.0720194266 E 1
6.25	5.4606175430 E 0	1.6767144844 E 1	2.6661080950 E 1	3.4969763426 E 1	4.2653194654 E 1
6.50	5.7127052350 E 0	1.7531938131 E 1	2.7964008133 E 1	3.6763436238 E 1	4.4667422366 E 1
6.75	5.9645726240 E 0	1.8295043658 E 1	2.9263953108 E 1	3.8577672391 E 1	4.6755862182 E 1
7.00	6.2162528512 E 0	1.9056677802 E 1	3.0560200860 E 1	4.0405727257 E 1	4.8910584921 E 1
7.25	6.4677731095 E 0	1.9817040134 E 1	3.1852472044 E 1	4.2241839482 E 1	5.1123001231 E 1
7.50	6.7191555764 E 0	2.0576308053 E 1	3.3140782299 E 1	4.4081329406 E 1	5.3384150786 E 1
7.75	6.9704192628 E 0	2.1343463539 E 1	3.4425330670 E 1	4.5920606999 E 1	5.5685004388 E 1
8.00	7.2215789506 E 0	2.2092154197 E 1	3.5706416737 E 1	4.7757098593 E 1	5.8016770495 E 1
8.25	7.4726475429 E 0	2.2848975432 E 1	3.6984383039 E 1	4.9589114215 E 1	6.0371190030 E 1
8.50	7.7236358304 E 0	2.3605193041 E 1	3.8259577749 E 1	5.1415682891 E 1	6.2740797364 E 1
8.75	7.9745528632 E 0	2.4366088517 E 1	3.9532332388 E 1	5.3236381746 E 1	6.5119122999 E 1
9.00	8.2254063579 E 0	2.5116119963 E 1	4.0802950063 E 1	5.5051178340 E 1	6.7500817632 E 1
9.25	8.4762029221 E 0	2.5870951207 E 1	4.2071700612 E 1	5.6860297601 E 1	6.9881687819 E 1
9.50	8.7269482493 E 0	2.6625426617 E 1	4.3338820935 E 1	5.8664117486 E 1	7.2258647413 E 1
9.75	8.977647739 E 0	2.7379586115 E 1	4.4604512347 E 1	6.0463092395 E 1	7.4629601695 E 1
10.00	9.2285042972 E 0	2.8133463732 E 1	4.5868952650 E 1	6.2257700450 E 1	7.6993288822 E 1
11.00	1.0230581384 E 1	3.1146681971 E 1	5.0916878504 E 1	6.9401322804 E 1	8.6369706822 E 1
12.00	1.1232426762 E 1	3.4157135482 E 1	5.5953513612 E 1	7.6505823873 E 1	9.5638659230 E 1
13.00	1.2233938944 E 1	3.716530609 E 1	6.0982596144 E 1	8.3585719392 E 1	1.0483493769 E 2
14.00	1.3235213997 E 1	4.0172680347 E 1	6.6006328488 E 1	9.0649230430 E 1	1.1398464727 E 2
15.00	1.4236300580 E 1	4.3178630268 E 1	7.1026104142 E 1	9.7701181340 E 1	1.2310346321 E 2
16.00	1.523737407 E 1	4.6183721492 E 1	7.6042857684 E 1	1.0474459349 E 2	1.3220070579 E 2
17.00	1.6238053775 E 1	4.9188129182 E 1	8.1057244351 E 1	1.1178147830 E 2	1.4128204623 E 2
18.00	1.7238771700 E 1	5.2191983362 E 1	8.6069739472 E 1	1.1881324109 E 2	1.5035127292 E 2
19.00	1.8239407967 E 1	5.5195382798 E 1	9.1080697332 E 1	1.2584090057 E 2	1.5941099702 E 2
20.00	1.9239975799 E 1	5.8198403932 E 1	9.6090387935 E 1	1.3286521665 E 2	1.6846310297 E 2

TABLE 1a - Prolate Eigenvalues  $\lambda_{0N}$

C	N = 5	N = 6	N = 7	N = 8	N = 9
0.25	3.0031521507 E 1	4.20314442469 E 1	5.6031393675 E 1	7.2031361400 E 1	9.0031338926 E 1
0.50	3.0126139013 E 1	4.2125806796 E 1	5.6125601982 E 1	7.2125646614 E 1	9.0125572405 E 1
0.75	3.0284011565 E 1	4.2283203764 E 1	5.6282706770 E 1	7.2282786687 E 1	9.0282150538 E 1
1.00	3.05000004625 E 1	4.2503818126 E 1	5.6502844502 E 1	7.2502202716 E 1	9.0501756836 E 1
1.25	3.0790690689 E 1	4.2787908802 E 1	5.6786206322 E 1	7.2785085878 E 1	9.0784308236 E 1
1.50	3.1140350319 E 1	4.3135809164 E 1	5.7133638174 E 1	7.3131217484 E 1	9.1129955126 E 1
1.75	3.1554973719 E 1	4.3547927503 E 1	5.7543640962 E 1	7.3540627046 E 1	9.1538881379 E 1
2.00	3.2035263096 E 1	4.4024747640 E 1	5.8018370784 E 1	7.4014194385 E 1	9.2011304403 E 1
2.25	3.2582036090 E 1	4.456829848 E 1	5.8557639258 E 1	7.4551629762 E 1	9.2547475206 E 1
2.50	3.3196230693 E 1	4.5174812083 E 1	5.9161913952 E 1	7.5153494067 E 1	9.3147678489 E 1
2.75	3.387891191 E 1	4.5849411690 E 1	5.9831718960 E 1	7.5820189061 E 1	9.3812232759 E 1
3.00	3.4631280798 E 1	4.6591427696 E 1	6.0567635666 E 1	7.6552159694 E 1	9.4541490477 E 1
3.25	3.5434686106 E 1	4.7401743892 E 1	6.1370303727 E 1	7.7349894501 E 1	9.5335838254 E 1
3.50	3.6350638478 E 1	4.8281332910 E 1	6.2240422342 E 1	7.8213926118 E 1	9.6195997087 E 1
3.75	3.7320827152 E 1	4.9231261566 E 1	6.3178751884 E 1	7.9144831917 E 1	9.7121522454 E 1
4.00	3.8367137918 E 1	5.0252697752 E 1	6.4186115976 E 1	8.0143234803 E 1	9.8113805684 E 1
4.25	3.9491670340 E 1	5.1346919174 E 1	6.5263404132 E 1	8.1209804194 E 1	9.9173072394 E 1
4.50	4.0696750657 E 1	5.2515324195 E 1	6.6411575098 E 1	8.2345257231 E 1	1.0029988503 E 2
4.75	4.1984935050 E 1	5.3759444894 E 1	6.7631661064 E 1	8.3550360268 E 1	1.0149484254 E 2
5.00	4.3358995921 E 1	5.5080962237 E 1	6.8924772950 E 1	8.4825930681 E 1	1.0275858131 E 2
5.25	4.4821882078 E 1	5.6481722803 E 1	7.0292106983 E 1	8.6172839107 E 1	1.0409177612 E 2
5.50	4.6376642837 E 1	5.7963755878 E 1	7.1734952808 E 1	8.7592012167 E 1	1.0549514125 E 2
5.75	4.8026307067 E 1	5.9529288764 E 1	7.3254703341 E 1	8.9084435803 E 1	1.0696943183 E 2
6.00	4.9773712125 E 1	6.1180756895 E 1	7.4852866529 E 1	9.0651159365 E 1	1.0851544534 E 2
6.25	5.1621285042 E 1	6.2920803823 E 1	7.6531679015 E 1	9.2293300600 E 1	1.1013402358 E 2
6.50	5.3579788711 E 1	6.4752264430 E 1	7.8291121478 E 1	9.4012051172 E 1	1.1182605482 E 2
6.75	5.5623056973 E 1	6.6678123274 E 1	8.0134934983 E 1	9.5808683795 E 1	1.1359247453 E 2
7.00	5.7777509769 E 1	6.8701439262 E 1	8.2064637086 E 1	9.7684570517 E 1	1.1543427856 E 2
7.25	6.0033169114 E 1	7.0825228647 E 1	8.4082235535 E 1	9.9641168749 E 1	1.1735250698 E 2
7.50	6.2386141970 E 1	7.3053301617 E 1	8.6191136334 E 1	1.0168006069 E 2	1.1934826867 E 2
7.75	6.4832018669 E 1	7.5385053853 E 1	8.8393141498 E 1	1.0380295278 E 2	1.2142273687 E 2
8.00	6.7364750334 E 1	7.7825223292 E 1	9.0691430428 E 1	1.0601169390 E 2	1.2357715771 E 2
8.25	6.9977052866 E 1	8.0373632221 E 1	9.3089017483 E 1	1.0830829126 E 2	1.2581285817 E 2
8.50	7.2660631650 E 1	8.3029943003 E 1	9.5588977741 E 1	1.1069492561 E 2	1.2813125527 E 2
8.75	7.5406449765 E 1	8.57924459425 E 1	9.8194333568 E 1	1.1317396372 E 2	1.3053386695 E 2
9.00	7.8205025031 E 1	8.8658000273 E 1	1.0090789734 E 2	1.1574796498 E 2	1.3302232446 E 2
9.25	8.1046744103 E 1	9.1621864758 E 1	1.0373207090 E 2	1.1841967776 E 2	1.3559838630 E 2
9.50	8.3922181484 E 1	9.4677891694 E 1	1.0666861002 E 2	1.2119201981 E 2	1.3826395320 E 2
9.75	8.682407830 E 1	9.7818665244 E 1	1.0971837117 E 2	1.2406803593 E 2	1.4102108358 E 2
10.00	8.9739267238 E 1	1.0103543072 E 2	1.1288106584 E 2	1.2705082528 E 2	1.4387200803 E 2
11.00	1.0144733627 E 2	1.1446975569 E 2	1.2660565093 E 2	1.4010628208 E 2	1.5626473145 E 2
12.00	1.1305411374 E 2	1.2835138563 E 2	1.4174446751 E 2	1.5502453800 E 2	1.7038033129 E 2
13.00	1.2450712720 E 2	1.4223009306 E 2	1.7164837377 E 2	1.7164837377 E 2	1.8639078216 E 2
14.00	1.3584050385 E 2	1.5593166141 E 2	1.7382917285 E 2	1.8946449451 E 2	2.0430123455 E 2
15.00	1.4739398336 E 2	1.6945804068 E 2	1.8983663080 E 2	2.0780930075 E 2	2.2377440178 E 2
16.00	1.5829441246 E 2	1.8285784952 E 2	2.0562050184 E 2	2.2615098264 E 2	2.4417004489 E 2
17.00	1.6945805578 E 2	1.9617228702 E 2	2.2121897846 E 2	2.4421897846 E 2	2.6481922425 E 2
18.00	1.8059490432 E 2	2.0942796553 E 2	2.3668720830 E 2	2.6211707576 E 2	2.8529987179 E 2
19.00	1.9171142698 E 2	2.2264132522 E 2	2.5206574339 E 2	2.7978767115 E 2	3.0548786232 E 2
20.00	2.0281204869 E 2	2.3582285852 E 2	2.673842155 E 2	2.9732622813 E 2	3.2541914045 E 2



TABLE 2 - Prolate Eigenvalues  $\lambda_{in}$

C	N= 1	N= 2	N= 3	N= 4	N= 5
0.25	2.0124821725 E 0	6.0267705331 E 0	1.2029171968 E 1	2.0030037113 E 1	3.0030452191 E 1
0.50	2.0497161822 E 0	6.1069001304 E 0	1.2116750124 E 1	2.0120204052 E 1	3.0121850414 E 1
0.75	2.1110750562 E 0	6.2398440959 E 0	1.2262910987 E 1	2.0270666410 E 1	3.0274319334 E 1
1.00	2.1955483554 E 0	6.4246991437 E 0	1.2467915330 E 1	2.0481696313 E 1	3.0488065794 E 1
1.25	2.3017916318 E 0	6.6602107902 E 0	1.2732060405 E 1	2.0753664084 E 1	3.0763377371 E 1
1.50	2.4281910114 E 0	6.9447848136 E 0	1.3055617810 E 1	2.1087030584 E 1	3.1100620242 E 1
1.75	2.5729383009 E 0	7.2765037610 E 0	1.3438761738 E 1	2.1482323739 E 1	3.1500236246 E 1
2.00	2.7341110256 E 0	7.6531495620 E 0	1.3881493416 E 1	2.1940143718 E 1	3.1962738911 E 1
2.25	2.9097513439 E 0	8.0722332179 E 0	1.4383568085 E 1	2.2464108452 E 1	3.2488708144 E 1
2.50	3.0979380386 E 0	8.5310322432 E 0	1.4944430765 E 1	2.3045748550 E 1	3.3078783148 E 1
2.75	3.2968468244 E 0	9.0266360079 E 0	1.5563166126 E 1	2.3694678307 E 1	3.3733653025 E 1
3.00	3.5047958675 E 0	9.5559983984 E 0	1.6238466227 E 1	2.4408312173 E 1	3.4454044377 E 1
3.25	3.7202753732 E 0	1.0115996333 E 1	1.6968619075 E 1	2.5186929016 E 1	3.5240705174 E 1
3.50	3.9419619654 E 0	1.0703491774 E 1	1.7751511035 E 1	2.6030591027 E 1	3.6094384109 E 1
3.75	4.1687200343 E 0	1.1315394111 E 1	1.8584662677 E 1	2.6939087185 E 1	3.7015804774 E 1
4.00	4.3995930671 E 0	1.1948719383 E 1	1.9465260539 E 1	2.7911881681 E 1	3.8005634203 E 1
4.25	4.6337882170 E 0	1.2600642787 E 1	2.0390216759 E 1	2.8944807127 E 1	3.9044445700 E 1
4.50	4.8706571057 E 0	1.3268541466 E 1	2.1356232237 E 1	3.0046355217 E 1	4.0192676432 E 1
4.75	5.1096753081 E 0	1.3950025502 E 1	2.2359865965 E 1	3.1205023443 E 1	4.1390580899 E 1
5.00	5.3504222984 E 0	1.4642956244 E 1	2.3397613124 E 1	3.2421943588 E 1	4.2658182154 E 1
5.25	5.5925629964 E 0	1.5345452346 E 1	2.4465967617 E 1	3.3694610002 E 1	4.3995223302 E 1
5.50	5.8358315196 E 0	1.6055884943 E 1	2.5561500743 E 1	3.5020148793 E 1	4.5401122357 E 1
5.75	6.0800173486 E 0	1.6772864157 E 1	2.6680917977 E 1	3.6395381853 E 1	4.6874933753 E 1
6.00	6.3249538485 E 0	1.749219396 E 1	2.7821112244 E 1	3.7816884151 E 1	4.8415319726 E 1
6.25	6.5705089372 E 0	1.8221975970 E 1	2.8979204731 E 1	3.9281052082 E 1	5.0020334279 E 1
6.50	6.8165776176 E 0	1.8952430177 E 1	3.0152573186 E 1	4.0784176450 E 1	5.1688421655 E 1
6.75	7.0630760722 E 0	1.9685624607 E 1	3.1338867582 E 1	4.2322516577 E 1	5.3416430211 E 1
7.00	7.3099376377 E 0	2.0421324899 E 1	3.2536613986 E 1	4.3892372127 E 1	5.5201641533 E 1
7.25	7.5571062020 E 0	2.1158998713 E 1	3.3742208222 E 1	4.5490149472 E 1	5.7040813563 E 1
7.50	7.8045394123 E 0	2.1898297299 E 1	3.4955901416 E 1	4.7112419828 E 1	5.8930435694 E 1
7.75	8.0522005140 E 0	2.2638939734 E 1	3.6175779743 E 1	4.8755967011 E 1	6.0866793100 E 1
8.00	8.3000596800 E 0	2.3380699727 E 1	3.7400740617 E 1	5.0417823395 E 1	6.2846037161 E 1
8.25	8.5480921174 E 0	2.4123394739 E 1	3.8629867328 E 1	5.2095293526 E 1	6.4864258614 E 1
8.50	8.7962770627 E 0	2.4866877148 E 1	3.9862403743 E 1	5.3785965689 E 1	6.6917560037 E 1
8.75	9.0445970007 E 0	2.5611027130 E 1	4.1097730239 E 1	5.5487712538 E 1	6.9002124444 E 1
9.00	9.2930370525 E 0	2.6355746984 E 1	4.235341673 E 1	5.7198682421 E 1	7.1114277084 E 1
9.25	9.5415844937 E 0	2.7100956624 E 1	4.3574827784 E 1	5.8917283466 E 1	7.3250538094 E 1
9.50	9.7902283745 E 0	2.7846590025 E 1	4.481856197 E 1	6.0642162541 E 1	7.5407664281 E 1
9.75	1.0038959216 E 1	2.8592592409 E 1	4.6058157965 E 1	6.2372181159 E 1	7.7582679123 E 1
10.00	1.0287768767 E 1	2.9338918041 E 1	4.7301515476 E 1	6.4106390105 E 1	7.9772890855 E 1
11.00	1.1283662021 E 1	3.2326766834 E 1	5.2282437622 E 1	7.1071398249 E 1	8.8641954143 E 1
12.00	1.2280367175 E 1	3.5317558661 E 1	5.7270789145 E 1	7.8061075989 E 1	9.7610244132 E 1
13.00	1.3277663429 E 1	3.8310330228 E 1	6.2263223391 E 1	8.5061256413 E 1	1.0662025415 E 2
14.00	1.4275403951 E 1	4.1304501331 E 1	6.7258081508 E 1	9.2065900879 E 1	1.1564583665 E 2
15.00	1.5273487082 E 1	4.4299699960 E 1	7.2254469078 E 1	9.9072373890 E 1	1.2467601734 E 2
16.00	1.6271840110 E 1	4.7295675862 E 1	7.7251867654 E 1	1.0607947639 E 2	1.3370640387 E 2
17.00	1.7270409610 E 1	5.0292254210 E 1	8.2249958962 E 1	1.1308664296 E 2	1.4273532229 E 2
18.00	1.8269155426 E 1	5.3289309359 E 1	8.7248538642 E 1	1.2009360407 E 2	1.5176221105 E 2
19.00	1.9268046779 E 1	5.6286747333 E 1	9.2247470699 E 1	1.2710023574 E 2	1.6078696645 E 2
20.00	2.0267059676 E 1	5.9284498735 E 1	9.7246661951 E 1	1.3410648832 E 2	1.6980967154 E 2

TABLE 2a - Prolate Eigenvalues  $\lambda_{1N}$

C	N=6	N=7	N=8	N=9	N=10
0.25	4.2030684434 E 1	5.6030827813 E 1	7.20309222653 E 1	9.0030988691 E 1	1.1003103653 E 2
0.50	4.2122769124 E 1	5.6123335503 E 1	7.2123709828 E 1	9.0123709328 E 1	1.1012415900 E 2
0.75	4.2276348136 E 1	5.6277595787 E 1	7.2278419149 E 1	9.0278991586 E 1	1.1049684145 E 2
1.00	4.2491577951 E 1	5.6493729742 E 1	7.2495146602 E 1	9.0496130233 E 1	1.1077655548 E 2
1.25	4.2768677010 E 1	5.6771966632 E 1	7.2774026461 E 1	9.0775495088 E 1	1.1111866345 E 2
1.50	4.3107925073 E 1	5.7112343660 E 1	7.3115231175 E 1	9.1117225973 E 1	1.1152330642 E 2
1.75	4.3599662379 E 1	5.7515305660 E 1	7.3518971236 E 1	9.1521493639 E 1	1.1199065097 E 2
2.00	4.3974288579 E 1	5.7981104706 E 1	7.3985495011 E 1	9.1988499695 E 1	1.1252088919 E 2
2.25	4.4502261416 E 1	5.8510099664 E 1	7.4515088553 E 1	9.2518476512 E 1	1.1311423861 E 2
2.50	4.5094095397 E 1	5.9102695661 E 1	7.5108075388 E 1	9.3111687127 E 1	1.1377094217 E 2
2.75	4.5750358256 E 1	5.9759343464 E 1	7.5764816277 E 1	9.3768425134 E 1	1.1449126812 E 2
3.00	4.6471671406 E 1	6.0480538773 E 1	7.6485708952 E 1	9.4489014572 E 1	1.1527551002 E 2
3.25	4.7258703681 E 1	6.1266821382 E 1	7.7271187828 E 1	9.5273809804 E 1	1.1612398664 E 2
3.50	4.8112168625 E 1	6.2118774185 E 1	7.81211723695 E 1	9.6123195395 E 1	1.1703704192 E 2
3.75	4.9032818705 E 1	6.3037021977 E 1	7.9037823361 E 1	9.7037585989 E 1	1.1801504493 E 2
4.00	5.0021438126 E 1	6.4022229964 E 1	8.0020029267 E 1	9.8017426176 E 1	1.1905838984 E 2
4.25	5.1078833465 E 1	6.5075101883 E 1	8.1068919033 E 1	9.9063190362 E 1	1.2016749583 E 2
4.50	5.2205821506 E 1	6.6196377582 E 1	8.2185104933 E 1	1.0017538263 E 2	1.2134280713 E 2
4.75	5.3403213718 E 1	6.7386829870 E 1	8.3369233250 E 1	1.0135453660 E 2	1.2258479292 E 2
5.00	5.4671796707 E 1	6.8647260378 E 1	8.4621983476 E 1	1.0260121526 E 2	1.2393994738 E 2
5.25	5.6012308143 E 1	6.9978494114 E 1	8.5944067293 E 1	1.0391601076 E 2	1.2527078963 E 2
5.50	5.7425407818 E 1	7.1381372327 E 1	8.7336227241 E 1	1.0529954424 E 2	1.2671586373 E 2
5.75	5.8911643798 E 1	7.2856743226 E 1	8.8799234964 E 1	1.0675246549 E 2	1.2822973868 E 2
6.00	6.0471144053 E 1	7.4400545042 E 1	9.0333888872 E 1	1.0827545259 E 2	1.2983300841 E 2
6.25	6.2104924496 E 1	7.6028315908 E 1	9.1941011036 E 1	1.0986921147 E 2	1.3146629172 E 2
6.50	6.3812144908 E 1	7.7726125037 E 1	9.3621443047 E 1	1.1153447516 E 2	1.3319023222 E 2
6.75	6.5592764860 E 1	7.9499599765 E 1	9.5376040555 E 1	1.1327200295 E 2	1.3498549827 E 2
7.00	6.7446152163 E 1	8.134933206 E 1	9.7205666115 E 1	1.1508257907 E 2	1.3685278275 E 2
7.25	6.9371316708 E 1	8.3275957476 E 1	9.911179924 E 1	1.1696701104 E 2	1.3879280286 E 2
7.50	7.1366882551 E 1	8.5279707863 E 1	1.0109342800 E 2	1.1892612731 E 2	1.4080629966 E 2
7.75	7.3431070848 E 1	8.7360783716 E 1	1.0315322736 E 2	1.2096077411 E 2	1.4289403747 E 2
8.00	7.5561645066 E 1	8.9519107335 E 1	1.0529134763 E 2	1.2307181129 E 2	1.4505680304 E 2
8.25	7.7756173887 E 1	9.1754322653 E 1	1.0750848896 E 2	1.2526010679 E 2	1.4729540429 E 2
8.50	8.0011549521 E 1	9.4052380986 E 1	1.0980525570 E 2	1.2752652944 E 2	1.4961066858 E 2
8.75	8.2324531770 E 1	9.6452380986 E 1	1.1218212616 E 2	1.2987193967 E 2	1.5200344035 E 2
9.00	8.4691545310 E 1	9.8912791551 E 1	1.1463941850 E 2	1.3229717779 E 2	1.5447457795 E 2
9.25	8.7108790533 E 1	1.0144518324 E 2	1.1717725362 E 2	1.3480304934 E 2	1.5702494936 E 2
9.50	8.9572310940 E 1	1.0404734718 E 2	1.1979551608 E 2	1.3739030716 E 2	1.5965542662 E 2
9.75	9.2078064554 E 1	1.0671667662 E 2	1.2249381468 E 2	1.4005962983 E 2	1.6236687855 E 2
10.00	9.4621996070 E 1	1.0945018726 E 2	1.2527144465 E 2	1.4281159626 E 2	1.6517457795 E 2
11.00	1.0510165904 E 2	1.2095535785 E 2	1.3714850485 E 2	1.5465226145 E 2	1.7403910757 E 2
12.00	1.1590530244 E 2	1.318240052 E 2	1.5014097930 E 2	1.6781338050 E 2	1.8706693776 E 2
13.00	1.2687312283 E 2	1.4587545192 E 2	1.6402936658 E 2	1.8221215608 E 2	2.0146892677 E 2
14.00	1.3791238553 E 2	1.588598527 E 2	1.7854771719 E 2	1.9767013611 E 2	2.1720386543 E 2
15.00	1.4997734827 E 2	1.7189690618 E 2	1.9344706714 E 2	2.1393335459 E 2	2.3414112033 E 2
16.00	1.6034811666 E 2	1.8501334327 E 2	2.0854126551 E 2	2.307280492 E 2	2.5205778465 E 2
17.00	1.7111685701 E 2	1.9814023624 E 2	2.2371634894 E 2	2.4782245833 E 2	2.7067674869 E 2
18.00	1.8218086599 E 2	2.1126324777 E 2	2.3891370615 E 2	2.6505477305 E 2	2.8972897861 E 2
19.00	1.9323949397 E 2	2.2437740679 E 2	2.5410752535 E 2	2.8233340740 E 2	3.0900442689 E 2
20.00	2.0429287754 E 2	2.3748159488 E 2	2.6928824004 E 2	2.9961396028 E 2	3.2836854783 E 2

TABLE 3 - Prolate Eigenvalues A 2N

C	N = 2	N = 3	N = 4	N = 5	N = 6
0.25	6.0089209879 E 0	1.2020824568 E 1	2.0025161494 E 1	3.0027244596 E 1	4.2028410448 E 1
0.50	6.0355933697 E 0	1.2083193241 E 1	2.0100635494 E 1	3.0108990350 E 1	4.2113658031 E 1
0.75	6.0797448246 E 0	1.2186792255 E 1	2.0246347881 E 1	3.0245272223 E 1	4.2255791118 E 1
1.00	6.1409489918 E 0	1.2331101512 E 1	2.0402353049 E 1	3.0436145388 E 1	4.2454889161 E 1
1.25	6.2186032261 E 0	1.2515402315 E 1	2.0568421442 E 1	3.0681680525 E 1	4.2711060916 E 1
1.50	6.3119850839 E 0	1.2738783477 E 1	2.0804423312 E 1	3.0981957163 E 1	4.3024441925 E 1
1.75	6.4202569552 E 0	1.3007152903 E 1	2.1030109851 E 1	3.1337055002 E 1	4.3395191189 E 1
2.00	6.5424952743 E 0	1.3298250473 E 1	2.1405133037 E 1	3.1747043198 E 1	4.3823486974 E 1
2.25	6.6777170537 E 0	1.3631663634 E 1	2.2292025616 E 1	3.2311967654 E 1	4.4309521702 E 1
2.50	6.8249060950 E 0	1.3998845409 E 1	2.25501182619 E 1	3.2731835617 E 1	4.4833495807 E 1
2.75	6.9830376520 E 0	1.4398134650 E 1	2.3020846152 E 1	3.3306603441 E 1	4.5455610501 E 1
3.00	7.1511005240 E 0	1.4827778213 E 1	2.3587093331 E 1	3.3936151070 E 1	4.6116059353 E 1
3.25	7.3281158355 E 0	1.5285954627 E 1	2.4198830306 E 1	3.4620271756 E 1	4.6835018611 E 1
3.50	7.5131520603 E 0	1.5770798673 E 1	2.4854790768 E 1	3.5358649669 E 1	4.7612636237 E 1
3.75	7.7053361570 E 0	1.6280426210 E 1	2.553540393 E 1	3.6150842957 E 1	4.8449019654 E 1
4.00	7.9038609496 E 0	1.6812958507 E 1	2.6293486618 E 1	3.6996267505 E 1	4.9344222284 E 1
4.25	8.1079891009 E 0	1.7366545313 E 1	2.7072893378 E 1	3.7894183016 E 1	5.0298229021 E 1
4.50	8.3170541765 E 0	1.7939385956 E 1	2.788990127 E 1	3.8843682337 E 1	5.1310940901 E 1
4.75	8.5304593212 E 0	1.8529747847 E 1	2.8742544280 E 1	3.9843684572 E 1	5.2382159322 E 1
5.00	8.7476742515 E 0	1.9135981911 E 1	2.9648286139 E 1	4.0892932687 E 1	5.3511570265 E 1
5.25	8.9682308971 E 0	1.9756534648 E 1	3.0546555273 E 1	4.1989995843 E 1	5.4698729090 E 1
5.50	9.1917183749 E 0	2.0389956728 E 1	3.1493677350 E 1	4.3133276577 E 1	5.5943046531 E 1
5.75	9.417775634 E 0	2.1034908191 E 1	3.2468100443 E 1	4.4321022678 E 1	5.7243776560 E 1
6.00	9.6460956225 E 0	2.1697160513 E 1	3.346719932 E 1	4.5551343370 E 1	5.8600006796 E 1
6.25	9.8764006759 E 0	2.2374595095 E 1	3.4490501237 E 1	4.6822229205 E 1	6.0010652064 E 1
6.50	1.0108456805 E 1	2.3072204248 E 1	3.5534479765 E 1	4.8131574924 E 1	6.1474451655 E 1
6.75	1.0342059449 E 1	2.3797078350 E 1	3.6597777641 E 1	4.9477204419 E 1	6.2989970620 E 1
7.00	1.0577031244 E 1	2.4533407665 E 1	3.7678616972 E 1	5.0856896867 E 1	6.4555605347 E 1
7.25	1.0813218327 E 1	2.5285471303 E 1	3.8775329561 E 1	5.2268413104 E 1	6.6169593388 E 1
7.50	1.1050487587 E 1	2.5782630486 E 1	3.9886363176 E 1	5.3709521350 E 1	6.7830027350 E 1
7.75	1.1288721322 E 1	2.6484320885 E 1	4.1010284615 E 1	5.5178021446 E 1	6.95348072467 E 1
8.00	1.1527819792 E 1	2.7190045077 E 1	4.2145779910 E 1	5.6671766943 E 1	7.1281987269 E 1
8.25	1.1767694101 E 1	2.7899365312 E 1	4.3291652110 E 1	5.8188684449 E 1	7.3069146669 E 1
8.50	1.2008266893 E 1	2.8611896738 E 1	4.4446817379 E 1	5.9726789885 E 1	7.4894066665 E 1
8.75	1.2249470295 E 1	2.9327301150 E 1	4.5610297808 E 1	6.1284201399 E 1	7.6754429813 E 1
9.00	1.2491244609 E 1	3.0045281311 E 1	4.6781217661 E 1	6.2859148908 E 1	7.8647910641 E 1
9.25	1.2733537176 E 1	3.0775575848 E 1	4.7958792954 E 1	6.4449980349 E 1	8.0572200186 E 1
9.50	1.2976301423 E 1	3.1487954716 E 1	4.9142325228 E 1	6.60551644875 E 1	8.2525028937 E 1
9.75	1.3219496348 E 1	3.2212215184 E 1	5.0331193476 E 1	6.7673293307 E 1	8.4504187581 E 1
10.00	1.3463084318 E 1	3.2938178321 E 1	5.1524846557 E 1	6.9303076238 E 1	8.6507545065 E 1
11.00	1.4440768266 E 1	3.5856150602 E 1	5.6338337158 E 1	7.5916904055 E 1	9.4723836582 E 1
12.00	1.5422661901 E 1	3.8791462041 E 1	6.1197960939 E 1	8.2441589312 E 1	1.0318471184 E 2
13.00	1.6407682933 E 1	4.1739194412 E 1	6.6089022915 E 1	8.9439097664 E 1	1.1180808194 E 2
14.00	1.7395088597 E 1	4.4696104979 E 1	7.1002238220 E 1	9.6285489352 E 1	1.2053835055 E 2
15.00	1.8384353790 E 1	4.7659980468 E 1	7.5931563477 E 1	1.0316565695 E 2	1.2933955454 E 2
16.00	1.9375094117 E 1	5.0629262667 E 1	8.0872936140 E 1	1.1006988329 E 2	1.3818862443 E 2
17.00	2.0367027226 E 1	5.3672824332 E 1	8.5823539316 E 1	1.1690174631 E 2	1.4707154689 E 2
18.00	2.1359936476 E 1	5.6579830469 E 1	9.0781364160 E 1	1.2392687531 E 2	1.5597820944 E 2
19.00	2.2353655026 E 1	5.9559649677 E 1	9.5744941977 E 1	1.3087221029 E 2	1.6490246300 E 2
20.00	2.3348051954 E 1	6.2541795795 E 1	1.0071317523 E 2	1.3782555274 E 2	1.7383995280 E 2

TABLE 3a - Prolate Eigenvalues

C	N=7	N=8	N=9	N=10	N=11
0.25	5.6029130273 E 1	7.2029606437 E 1	9.0029937998 E 1	1.1003017623 E 2	1.3203035791 E 2
0.50	5.6116539825 E 1	7.2118439835 E 1	9.0119764273 E 1	1.1012072358 E 2	1.3212144090 E 2
0.75	5.6262266780 E 1	7.2266542326 E 1	9.0269515625 E 1	1.1027166797 E 2	1.3227327670 E 2
1.00	5.64666398085 E 1	7.2473983976 E 1	9.0479253274 E 1	1.1048306454 E 2	1.3248591149 E 2
1.25	5.6729039884 E 1	7.2740862335 E 1	9.0749062671 E 1	1.10759498757 E 2	1.3275940986 E 2
1.50	5.7050326388 E 1	7.3067301987 E 1	9.1079053253 E 1	1.11108753229 E 2	1.3309385469 E 2
1.75	5.7430425494 E 1	7.3453453890 E 1	9.1469358110 E 1	1.1148081478 E 2	1.3348934711 E 2
2.00	5.7869527034 E 1	7.3899444572 E 1	9.1920133580 E 1	1.1193497165 E 2	1.3394600629 E 2
2.25	5.8367845647 E 1	7.4405623151 E 1	9.24331558756 E 1	1.1245015988 E 2	1.3446396938 E 2
2.50	5.8925617232 E 1	7.4972070179 E 1	9.3003834921 E 1	1.1302655644 E 2	1.3504339128 E 2
2.75	5.9543095942 E 1	7.5599076292 E 1	9.3637184871 E 1	1.13664355797 E 2	1.3568444443 E 2
3.00	6.022050663 E 1	7.6286913635 E 1	9.4331852162 E 1	1.1436378036 E 2	1.3638731865 E 2
3.25	6.0958260928 E 1	7.703585963 E 1	9.5088100232 E 1	1.1512505833 E 2	1.3715222082 E 2
3.50	6.1756512173 E 1	7.7846224059 E 1	9.5906211417 E 1	1.1594844488 E 2	1.3797937462 E 2
3.75	6.2615590286 E 1	7.8718322360 E 1	9.6786485831 E 1	1.1683421074 E 2	1.3886902026 E 2
4.00	6.3535775343 E 1	7.9652482237 E 1	9.7729240108 E 1	1.1778264373 E 2	1.3982141405 E 2
4.25	6.4517334471 E 1	8.0649043384 E 1	9.8734805972 E 1	1.1879404807 E 2	1.4083682812 E 2
4.50	6.5560513745 E 1	8.170833863 E 1	9.9803528628 E 1	1.1986874357 E 2	1.4191554994 E 2
4.75	6.6665529077 E 1	8.2830718541 E 1	1.0093576493 E 2	1.2100708473 E 2	1.4305788185 E 2
5.00	6.783255658 E 1	8.4016519456 E 1	1.0213188135 E 2	1.2220935980 E 2	1.4426414062 E 2
5.25	6.9061718761 E 1	8.5266070534 E 1	1.0339225156 E 2	1.2347598968 E 2	1.4553465684 E 2
5.50	7.0353077567 E 1	8.6579686087 E 1	1.0471725387 E 2	1.2480732662 E 2	1.4686977429 E 2
5.75	7.1706616145 E 1	8.7957658522 E 1	1.0610726808 E 2	1.2620373289 E 2	1.4826984933 E 2
6.00	7.312222793 E 1	8.9400250701 E 1	1.0756267212 E 2	1.276565923 E 2	1.4973525006 E 2
6.25	7.4599701357 E 1	9.0907667394 E 1	1.0908383809 E 2	1.2919344299 E 2	1.5126635553 E 2
6.50	7.6138707329 E 1	9.2480145821 E 1	1.1067112774 E 2	1.3078753622 E 2	1.5286355476 E 2
6.75	7.7738784200 E 1	9.4117745274 E 1	1.1232488745 E 2	1.3244825335 E 2	1.5452724570 E 2
7.00	7.9399325974 E 1	9.5820535897 E 1	1.1404544246 E 2	1.3417308860 E 2	1.5625783407 E 2
7.25	8.1119571167 E 1	9.7588486719 E 1	1.1583399333 E 2	1.3597141303 E 2	1.5805573194 E 2
7.50	8.2896593957 E 1	9.9421473131 E 1	1.1768809374 E 2	1.3783462118 E 2	1.5992135629 E 2
7.75	8.4735298018 E 1	1.0131926405 E 2	1.1961067233 E 2	1.3976609728 E 2	1.6185512725 E 2
8.00	8.6628413529 E 1	1.0328150908 E 2	1.2160099378 E 2	1.4176621087 E 2	1.6385746614 E 2
8.25	8.8576497742 E 1	1.0530772612 E 2	1.2365916404 E 2	1.4383531189 E 2	1.6592879328 E 2
8.50	9.0577939353 E 1	1.0739728971 E 2	1.2578521678 E 2	1.4597372512 E 2	1.6806952545 E 2
8.75	9.263096673 E 1	1.0954942090 E 2	1.2797910221 E 2	1.4818174391 E 2	1.7028007295 E 2
9.00	9.4733660208 E 1	1.1176317876 E 2	1.3024067533 E 2	1.5045962320 E 2	1.7256083641 E 2
9.25	9.6883967287 E 1	1.1403745446 E 2	1.3256968397 E 2	1.5280757174 E 2	1.7491220298 E 2
9.50	9.9079721815 E 1	1.1637096796 E 2	1.3496575679 E 2	1.5522574353 E 2	1.7733454210 E 2
9.75	1.0131866509 E 2	1.1876226805 E 2	1.3742839159 E 2	1.5771422855 E 2	1.7982820073 E 2
10.00	1.0359846913 E 2	1.2120973573 E 2	1.3995694442 E 2	1.6027304266 E 2	1.8239349791 E 2
11.00	1.1307867526 E 2	1.3152352292 E 2	1.5071200156 E 2	1.7120879808 E 2	1.9337611539 E 2
12.00	1.2302471193 E 2	1.4257053709 E 2	1.6242853077 E 2	1.8324419255 E 2	2.0551846276 E 2
13.00	1.3330280180 E 2	1.549781953 E 2	1.7498656430 E 2	1.9632189834 E 2	2.1881074919 E 2
14.00	1.4380717523 E 2	1.6625589925 E 2	1.8824425462 E 2	2.1034314865 E 2	2.3321323659 E 2
15.00	1.5446186352 E 2	1.7861689575 E 2	2.0203797311 E 2	2.2517216094 E 2	2.4864753386 E 2
16.00	1.6521580428 E 2	1.9118276378 E 2	2.1622362298 E 2	2.4065118194 E 2	2.6499478917 E 2
17.00	1.7603592432 E 2	2.0388435919 E 2	2.3068195950 E 2	2.5662178188 E 2	2.8210460640 E 2
18.00	1.8690105476 E 2	2.1667556808 E 2	2.4532082066 E 2	2.7294389954 E 2	2.9981336831 E 2
19.00	1.9779755575 E 2	2.2952652970 E 2	2.6078067236 E 2	2.8950643185 E 2	3.1796528569 E 2
20.00	2.0871647933 E 2	2.4241805497 E 2	2.7491952679 E 2	3.0622855169 E 2	3.36428355945 E 2

TABLE 4 - Prolete Eigenvalues  $\lambda_{3N}$

C	N= 3	N= 4	N= 5	N= 6	N= 7
0.25	1.2006940550 E 1	2.0017040038 E 1	3.0021899785 E 1	4.2024620868 E 1	5.6026301199 E 1
0.50	1.2027715632 E 1	2.0068095247 E 1	3.0087575943 E 1	4.2098479279 E 1	5.6105208298 E 1
0.75	1.2062186687 E 1	2.012971581 E 1	3.0159580885 E 1	4.21291562180 E 1	5.6232156731556 E 1
1.00	1.2110126576 E 1	2.021347863 E 1	3.034926288 E 1	4.2393846224 E 1	5.6420887254 E 1
1.25	1.2171225091 E 1	2.0422779127 E 1	3.0546307365 E 1	4.2615295403 E 1	5.6657696470 E 1
1.50	1.2245096326 E 1	2.0682461270 E 1	3.0785870000 E 1	4.2885857765 E 1	5.6947183357 E 1
1.75	1.2331287600 E 1	2.1062436985 E 1	3.1268319064 E 1	4.3205461253 E 1	5.7289372911 E 1
2.00	1.2429289541 E 1	2.159202937 E 1	3.193289509 E 1	4.3574008714 E 1	5.7684288246 E 1
2.25	1.2538546936 E 1	2.1346118102 E 1	3.1760340253 E 1	4.3991372180 E 1	5.8131947341 E 1
2.50	1.2658469925 E 1	2.1652213189 E 1	3.2168948496 E 1	4.4457386495 E 1	5.8632359285 E 1
2.75	1.2788445120 E 1	2.1886441023 E 1	3.2618504867 E 1	4.4971842452 E 1	5.9185520008 E 1
3.00	1.2927846286 E 1	2.2347687725 E 1	3.3108309789 E 1	4.5534479602 E 1	5.9791407500 E 1
3.25	1.3076044273 E 1	2.274784534 E 1	3.3637571372 E 1	4.6144978918 E 1	6.0449976604 E 1
3.50	1.3232415925 E 1	2.3146520032 E 1	3.4205405055 E 1	4.6802955575 E 1	6.1161153241 E 1
3.75	1.3396351816 E 1	2.3581652563 E 1	3.4810835155 E 1	4.7507952066 E 1	6.1924828398 E 1
4.00	1.3567262691 E 1	2.4038922588 E 1	3.5452798361 E 1	4.8259431942 E 1	6.2740851672 E 1
4.25	1.3744584595 E 1	2.4517064730 E 1	3.6130149142 E 1	4.9056774425 E 1	6.3609024626 E 1
4.50	1.3927782717 E 1	2.5014819258 E 1	3.6811666927 E 1	4.9899270160 E 1	6.4529094029 E 1
4.75	1.4116354031 E 1	2.5530942790 E 1	3.7586064879 E 1	5.0786118322 E 1	6.550745100 E 1
5.00	1.4309828857 E 1	2.6064218016 E 1	3.8361999973 E 1	5.1716425289 E 1	6.65223594958 E 1
5.25	1.4507771484 E 1	2.6613462275 E 1	3.9168084104 E 1	5.2699204988 E 1	6.7597186419 E 1
5.50	1.4709780608 E 1	2.7177534880 E 1	4.002895874 E 1	5.3703381025 E 1	6.8720982365 E 1
5.75	1.4915485545 E 1	2.7755343131 E 1	4.084992725 E 1	5.4757790096 E 1	6.9894360875 E 1
6.00	1.5124550957 E 1	2.8345846976 E 1	4.1732923083 E 1	5.5851192036 E 1	7.1116611309 E 1
6.25	1.5336669237 E 1	2.8948062383 E 1	4.2665238194 E 1	5.6982262419 E 1	7.2386931560 E 1
6.50	1.5551561655 E 1	2.9561063470 E 1	4.3600503364 E 1	5.8149625578 E 1	7.3704426599 E 1
6.75	1.5768975777 E 1	3.0183983496 E 1	4.4557308364 E 1	5.9351842609 E 1	7.5068108492 E 1
7.00	1.5988683429 E 1	3.0816014866 E 1	4.5534276789 E 1	6.0587432378 E 1	7.6476897934 E 1
7.25	1.6210478669 E 1	3.1456408249 E 1	4.653074242 E 1	6.1854881031 E 1	7.7929627380 E 1
7.50	1.6434175818 E 1	3.2104471003 E 1	4.7533415234 E 1	6.3152653776 E 1	7.9425045741 E 1
7.75	1.6659607577 E 1	3.2759565013 E 1	4.8573068764 E 1	6.4479206695 E 1	8.0961824591 E 1
8.00	1.6886623256 E 1	3.3421104121 E 1	4.9617862580 E 1	6.5832998299 E 1	8.2536565760 E 1
8.25	1.7115087130 E 1	3.4088551234 E 1	5.0676686175 E 1	6.7212500551 E 1	8.4153810155 E 1
8.50	1.7344876920 E 1	3.4761415265 E 1	5.1748492592 E 1	6.8616209130 E 1	8.5806047594 E 1
8.75	1.7575882412 E 1	3.5439247964 E 1	5.2832299157 E 1	7.0042652754 E 1	8.7493727426 E 1
9.00	1.7808004196 E 1	3.6121640759 E 1	5.3927187247 E 1	7.1490401405 E 1	8.9215269654 E 1
9.25	1.8041152532 E 1	3.6808221630 E 1	5.5032301253 E 1	7.2958073370 E 1	9.0969076318 E 1
9.50	1.82752446331 E 1	3.7498652098 E 1	5.61464846867 E 1	7.4444341037 E 1	9.2753542843 E 1
9.75	1.8510212236 E 1	3.8192624349 E 1	5.7270088825 E 1	7.5979335455 E 1	9.4567069110 E 1
10.00	1.8745983808 E 1	3.8889858516 E 1	5.8401348244 E 1	7.7467649666 E 1	9.6408070009 E 1
11.00	1.9696001399 E 1	4.1706658109 E 1	6.2994786595 E 1	8.3685829058 E 1	1.0401616740 E 2
12.00	2.0654960136 E 1	4.458957009 E 1	6.7674748774 E 1	9.0082147241 E 1	1.1194678023 E 2
13.00	2.1620709752 E 1	4.743772177 E 1	7.241814994 E 1	9.6609282751 E 1	1.2012141990 E 2
14.00	2.2591722487 E 1	5.0336616039 E 1	7.7208789497 E 1	1.0323277749 E 2	1.2847792916 E 2
15.00	2.3566888632 E 1	5.3251117540 E 1	8.2035225090 E 1	1.0992796307 E 2	1.3696934903 E 2
16.00	2.4545385443 E 1	5.6177930660 E 1	8.6889271012 E 1	1.1667724169 E 2	1.4556122667 E 2
17.00	2.5526591440 E 1	5.9114610001 E 1	9.1764977087 E 1	1.2346798680 E 2	1.5422863768 E 2
18.00	2.6510029174 E 1	6.2059308104 E 1	9.6657943938 E 1	1.3029103463 E 2	1.6293359323 E 2
19.00	2.7495326219 E 1	6.5010606182 E 1	1.0156486361 E 2	1.3713963868 E 2	1.7172303574 E 2
20.00	2.8482188050 E 1	6.7967398226 E 1	1.0486320870 E 2	1.4400875508 E 2	1.8052738567 E 2

TABLE 4a - Prolete Eigenvalues

^3N

C	N= 8	N= 9	N=10	N=11	N=12
0.25	7.2027412815 E 1	9.0028186879 E 1	1.1002874774 E 2	1.3202916723 E 2	1.5602948925 E 2
0.50	7.2109657656 E 1	9.0112754766 E 1	1.1011499819 E 2	1.3211667579 E 2	1.5611796335 E 2
0.75	7.2246735386 E 1	9.0253725339 E 1	1.1025877301 E 2	1.3226254619 E 2	1.5626544129 E 2
1.00	7.2438731950 E 1	9.0451134498 E 1	1.1046010812 E 2	1.3246681254 E 2	1.5647195467 E 2
1.25	7.2685635736 E 1	9.0705032316 E 1	1.1071905359 E 2	1.3272952244 E 2	1.5673754762 E 2
1.50	7.2987518677 E 1	9.1015481652 E 1	1.1103567328 E 2	1.3305073681 E 2	1.5706227672 E 2
1.75	7.3344444800 E 1	9.1382557513 E 1	1.1141004452 E 2	1.3343052296 E 2	1.5744621085 E 2
2.00	7.3756483384 E 1	9.1826349272 E 1	1.1184225766 E 2	1.3386898786 E 2	1.5788943105 E 2
2.25	7.4223714434 E 1	9.2286955227 E 1	1.1233241553 E 2	1.3436621079 E 2	1.5839203028 E 2
2.50	7.4746219459 E 1	9.2824448420 E 1	1.1288063284 E 2	1.3492230998 E 2	1.5895411325 E 2
2.75	7.5324082751 E 1	9.3419053682 E 1	1.1348703542 E 2	1.3553740872 E 2	1.5957579613 E 2
3.00	7.5957348017 E 1	9.4070789553 E 1	1.1415175945 E 2	1.3621164155 E 2	1.6025720626 E 2
3.25	7.6646215415 E 1	9.4779818487 E 1	1.1487495052 E 2	1.3694515372 E 2	1.6099848183 E 2
3.50	7.7390638233 E 1	9.5546278099 E 1	1.1565676259 E 2	1.3773810062 E 2	1.6179977154 E 2
3.75	7.8190719234 E 1	9.6370352911 E 1	1.1649735686 E 2	1.3859064706 E 2	1.6264123413 E 2
4.00	7.9046506630 E 1	9.7252028087 E 1	1.1739990047 E 2	1.3950296660 E 2	1.6358303801 E 2
4.25	7.9958029703 E 1	9.8191585734 E 1	1.183556513 E 2	1.4047524068 E 2	1.6456536073 E 2
4.50	8.0925294473 E 1	9.9189102149 E 1	1.1937352554 E 2	1.4150765772 E 2	1.6560838846 E 2
4.75	8.1948276618 E 1	1.0024469481 E 2	1.2045095168 E 2	1.4260041220 E 2	1.6671231538 E 2
5.00	8.3026920062 E 1	1.0135846908 E 2	1.2158803694 E 2	1.43753370351 E 2	1.6787734310 E 2
5.25	8.4161127406 E 1	1.0253051464 E 2	1.2278493408 E 2	1.4496773483 E 2	1.6910367988 E 2
5.50	8.5350755832 E 1	1.0376090161 E 2	1.2404182296 E 2	1.4624271178 E 2	1.7039153997 E 2
5.75	8.6595610462 E 1	1.0504967638 E 2	1.2535885808 E 2	1.4757614271 E 2	1.7174114271 E 2
6.00	8.7894497155 E 1	1.0639685718 E 2	1.2673619191 E 2	1.4897632289 E 2	1.7315271164 E 2
6.25	8.9249927473 E 1	1.0780242929 E 2	1.2817396200 E 2	1.5043537934 E 2	1.7462647357 E 2
6.50	9.0658686821 E 1	1.0926634010 E 2	1.2967228981 E 2	1.5195619243 E 2	1.7616265746 E 2
6.75	9.2121256904 E 1	1.1078849383 E 2	1.3123127729 E 2	1.5353896223 E 2	1.7776149330 E 2
7.00	9.3637096082 E 1	1.1236874616 E 2	1.3285100323 E 2	1.5518387441 E 2	1.7942321079 E 2
7.25	9.5205577975 E 1	1.1400689870 E 2	1.3453151931 E 2	1.5689110489 E 2	1.8114803804 E 2
7.50	9.6825987900 E 1	1.15702269343 E 2	1.3627284594 E 2	1.5866081327 E 2	1.8293619999 E 2
7.75	9.8497520292 E 1	1.1745583718 E 2	1.3807496778 E 2	1.6049315020 E 2	1.8478791683 E 2
8.00	1.0021927725 E 2	1.1926584634 E 2	1.3993782912 E 2	1.6238824249 E 2	1.8670340218 E 2
8.25	1.0199026839 E 2	1.2113234175 E 2	1.4186132897 E 2	1.6434619183 E 2	1.8868286119 E 2
8.50	1.0380941197 E 2	1.2305474415 E 2	1.4384531610 E 2	1.6636707952 E 2	1.9072648840 E 2
8.75	1.0567553750 E 2	1.2503242011 E 2	1.4588958334 E 2	1.6845095563 E 2	1.9283446545 E 2
9.00	1.0758738978 E 2	1.2706464870 E 2	1.4799386502 E 2	1.7059783684 E 2	1.9500695863 E 2
9.25	1.0954363428 E 2	1.2915061910 E 2	1.5015782682 E 2	1.7280770228 E 2	1.9724411614 E 2
9.50	1.1154286390 E 2	1.3128942908 E 2	1.5238104585 E 2	1.7508048908 E 2	1.9954606524 E 2
9.75	1.1358362688 E 2	1.3348208473 E 2	1.5466310343 E 2	1.7744608783 E 2	2.0191290911 E 2
10.00	1.1566433580 E 2	1.3572150136 E 2	1.5700338137 E 2	1.7981437235 E 2	2.0434472350 E 2
11.00	1.2435517948 E 2	1.4517063349 E 2	1.6693275539 E 2	1.9002857593 E 2	2.1472203519 E 2
12.00	1.3355616360 E 2	1.5532300325 E 2	1.772671941 E 2	2.0121581489 E 2	2.2613519736 E 2
13.00	1.4315520672 E 2	1.6607845413 E 2	1.8930767734 E 2	2.1333145880 E 2	2.3856720317 E 2
14.00	1.539058729 E 2	1.7792967183 E 2	2.015796468 E 2	2.2630846325 E 2	2.5198328684 E 2
15.00	1.6325584226 E 2	1.889792276 E 2	2.1443485403 E 2	2.4005943725 E 2	2.632748765 E 2
16.00	1.7363081232 E 2	2.0092483825 E 2	2.277658177 E 2	2.54448027829 E 2	2.8152180170 E 2
17.00	1.8438005015 E 2	2.1310597025 E 2	2.414274760 E 2	2.6946068166 E 2	2.9746919093 E 2
18.00	1.9466005916 E 2	2.2546093726 E 2	2.554697067 E 2	2.8489283558 E 2	3.1406041150 E 2
19.00	2.0531642743 E 2	2.3794644563 E 2	2.6968514337 E 2	3.0067948056 E 2	3.3118322155 E 2
20.00	2.1603138267 E 2	2.5053049463 E 2	2.8406680450 E 2	3.1673849658 E 2	3.4873137611 E 2

TABLE 5 - Prolate Eigenvalues  $\lambda_{jN}$

C	N=4	N=5	N=6	N=7	N=8
0.25	2.0005679562 E 1	3.0014419522 E 1	4.2019316290 E 1	5.6022340832 E 1	7.2024341897 E 1
0.50	2.0022691241 E 1	3.0057635481 E 1	4.2077242338 E 1	5.6089353737 E 1	7.2097365078 E 1
0.75	2.0050954515 E 1	3.0129520445 E 1	4.2173710017 E 1	5.6201009708 E 1	7.2219061855 E 1
1.00	2.0090336830 E 1	3.0229863322 E 1	4.2308604173 E 1	5.6357259629 E 1	7.2389418914 E 1
1.25	2.0140656006 E 1	3.0358371282 E 1	4.2481762458 E 1	5.6558033131 E 1	7.2608416564 E 1
1.50	2.0201683497 E 1	3.0514672333 E 1	4.2692973324 E 1	5.6803237025 E 1	7.2876027687 E 1
1.75	2.0273148363 E 1	3.0698319200 E 1	4.2941974364 E 1	5.7092730329 E 1	7.3192216400 E 1
2.00	2.0354741969 E 1	3.0908792403 E 1	4.3228450455 E 1	5.7426436937 E 1	7.3556936428 E 1
2.25	2.0446122841 E 1	3.1145505944 E 1	4.3552031914 E 1	5.7804112985 E 1	7.3970129201 E 1
2.50	2.0546922219 E 1	3.1407812096 E 1	4.3912292843 E 1	5.8225573951 E 1	7.4431721688 E 1
2.75	2.0656749458 E 1	3.1695007284 E 1	4.4308749790 E 1	5.8690576586 E 1	7.4941623972 E 1
3.00	2.0775197547 E 1	3.2006338310 E 1	4.4740860868 E 1	5.9194838746 E 1	7.5499726607 E 1
3.25	2.0901848450 E 1	3.2341008914 E 1	4.5208025461 E 1	5.9750036181 E 1	7.6105897753 E 1
3.50	2.1036278194 E 1	3.2698186602 E 1	4.5709584595 E 1	6.0343799454 E 1	7.6779980144 E 1
3.75	2.1178061572 E 1	3.3077009606 E 1	4.6244822066 E 1	6.0979711010 E 1	7.7461787910 E 1
4.00	2.1326776414 E 1	3.3476593896 E 1	4.6812966354 E 1	6.1657302543 E 1	7.8211103301 E 1
4.25	2.1482007343 E 1	3.3896040131 E 1	4.7413193332 E 1	6.2376052577 E 1	7.9007673345 E 1
4.50	2.1643349001 E 1	3.4334444034 E 1	4.8044629760 E 1	6.3135385616 E 1	7.9851206629 E 1
4.75	2.1810408740 E 1	3.4790884899 E 1	4.8706357500 E 1	6.3934669165 E 1	8.0741369857 E 1
5.00	2.1982808765 E 1	3.52644467740 E 1	4.9397418394 E 1	6.4773215012 E 1	8.1677784947 E 1
5.25	2.2160187781 E 1	3.5754292988 E 1	5.0116819689 E 1	6.5650278523 E 1	8.2640026041 E 1
5.50	2.2342202163 E 1	3.6259479688 E 1	5.0863539915 E 1	6.6565059773 E 1	8.3647416927 E 1
5.75	2.2528526695 E 1	3.6779166525 E 1	5.1636535079 E 1	6.7516705265 E 1	8.470028815 E 1
6.00	2.2718854948 E 1	3.7312515855 E 1	5.2434745044 E 1	6.8504310432 E 1	8.5826478548 E 1
6.25	2.2912899321 E 1	3.7858717122 E 1	5.3257099969 E 1	6.9526922879 E 1	8.7036927336 E 1
6.50	2.3110390827 E 1	3.8416989632 E 1	5.4102526676 E 1	7.0583546320 E 1	8.8324080042 E 1
6.75	2.3311078452 E 1	3.8986584849 E 1	5.4969554825 E 1	7.1673145149 E 1	8.9685385223 E 1
7.00	2.3514729552 E 1	3.9566787797 E 1	5.5858322791 E 1	7.2794469356 E 1	9.0772035543 E 1
7.25	2.3721127113 E 1	4.0156918333 E 1	5.6766583150 E 1	7.3946961073 E 1	9.2099149275 E 1
7.50	2.3930070930 E 1	4.0756331617 E 1	5.7693707695 E 1	7.5128958467 E 1	9.34658072214 E 1
7.75	2.4141375724 E 1	4.1364418260 E 1	5.8638691928 E 1	7.6339503033 E 1	9.4871180397 E 1
8.00	2.4354870427 E 1	4.198064052 E 1	5.9600558986 E 1	7.7577448783 E 1	9.6314083469 E 1
8.25	2.4570397263 E 1	4.2604349370 E 1	6.0578362975 E 1	7.8841640617 E 1	9.7793528671 E 1
8.50	2.4787810831 E 1	4.3235148301 E 1	6.1571191714 E 1	8.0130928348 E 1	9.9308425372 E 1
8.75	2.5006977215 E 1	4.3872527539 E 1	6.2578168896 E 1	8.1444168491 E 1	1.0085765009 E 2
9.00	2.522773126 E 1	4.4516045114 E 1	6.3598455681 E 1	8.2780230529 E 1	1.0244005190 E 2
9.25	2.5450085081 E 1	4.5165288993 E 1	6.4631251766 E 1	8.4138001962 E 1	1.0405445811 E 2
9.50	2.5673808629 E 1	4.581975587 E 1	6.5675795967 E 1	8.5516392897 E 1	1.0569968016 E 2
9.75	2.5898847621 E 1	4.6479448216 E 1	6.6731366363 E 1	8.6914340120 E 1	1.0737451957 E 2
10.00	2.6125113532 E 1	4.7143675543 E 1	6.7797280046 E 1	8.8330810637 E 1	1.0907777386 E 2
11.00	2.704908531 E 1	4.9841305919 E 1	7.2152035080 E 1	9.4162474741 E 1	1.1615106949 E 2
12.00	2.7970843467 E 1	5.2592468576 E 1	7.6627191849 E 1	1.0021728876 E 2	1.2358547244 E 2
13.00	2.891177621 E 1	5.5385002790 E 1	8.1195434208 E 1	1.0644735637 E 2	1.3131289877 E 2
14.00	2.9861395704 E 1	5.8209904751 E 1	8.5836069392 E 1	1.1281448245 E 2	1.3927446815 E 2
15.00	3.0817966702 E 1	6.1040457525 E 1	9.0533508077 E 1	1.1928892526 E 2	1.4742143968 E 2
16.00	3.1780177666 E 1	6.3931597809 E 1	9.5275990673 E 1	1.2584785593 E 2	1.5571473762 E 2
17.00	3.2747018649 E 1	6.6819463498 E 1	1.0005459469 E 2	1.3247381232 E 2	1.6412369348 E 2
18.00	3.3717702324 E 1	6.9721072394 E 1	1.0486249186 E 2	1.3915345708 E 2	1.7262252552 E 2
19.00	3.4691607177 E 1	7.2634093630 E 1	1.0969440370 E 2	1.4587654043 E 2	1.8119887946 E 2
20.00	3.5668236839 E 1	7.5556684028 E 1	1.1454620595 E 2	1.5263512886 E 2	1.89983258151 E 2

TABLE 5a - Prolete Eigenvalues  $\lambda_{4N}$

C	N=9	N=10	N=11	N=12	N=13
0.25	9.0025735389 E 1	1.1002674509 E 2	1.3202750031 E 2	1.5602808005 E 2	1.8202853482 E 2
0.50	9.0102942687 E 1	1.1010698332 E 2	1.3211000502 E 2	1.5611232427 E 2	1.8211418341 E 2
0.75	9.0231625194 E 1	1.1024072343 E 2	1.3224075254 E 2	1.5624752489 E 2	1.8225683006 E 2
1.00	9.0411788100 E 1	1.1042797984 E 2	1.3244008012 E 2	1.5644936218 E 2	1.8245663927 E 2
1.25	9.0643438030 E 1	1.1066877232 E 2	1.3268769506 E 2	1.5670220436 E 2	1.8271357557 E 2
1.50	9.0926582392 E 1	1.1096312561 E 2	1.3299040309 E 2	1.5701130748 E 2	1.8302768353 E 2
1.75	9.1261228552 E 1	1.1131106893 E 2	1.334824372 E 2	1.5737671514 E 2	1.8339900751 E 2
2.00	9.1647382810 E 1	1.1171263530 E 2	1.3376126273 E 2	1.5779847931 E 2	1.8382759962 E 2
2.25	9.2085049200 E 1	1.1216786087 E 2	1.3422951171 E 2	1.5827465500 E 2	1.8431351940 E 2
2.50	9.2574228096 E 1	1.1267678397 E 2	1.3473304747 E 2	1.5881130991 E 2	1.8485683369 E 2
2.75	9.3114914632 E 1	1.1323944419 E 2	1.3533193149 E 2	1.5940251404 E 2	1.8545761633 E 2
3.00	9.3707096939 E 1	1.138588123 E 2	1.3596622915 E 2	1.6005034425 E 2	1.8611594786 E 2
3.25	9.4350754193 E 1	1.1452613367 E 2	1.366560900 E 2	1.6075488276 E 2	1.8683191523 E 2
3.50	9.5045854486 E 1	1.1525023758 E 2	1.3740134186 E 2	1.6151621656 E 2	1.8760561138 E 2
3.75	9.5792352514 E 1	1.1602822505 E 2	1.3820229988 E 2	1.6233443684 E 2	1.8843713492 E 2
4.00	9.6590187108 E 1	1.1686012255 E 2	1.3905895549 E 2	1.6320963833 E 2	1.8932658961 E 2
4.25	9.7439278596 E 1	1.1774594913 E 2	1.3997138025 E 2	1.6414191849 E 2	1.9027408393 E 2
4.50	9.8339526024 E 1	1.1868571452 E 2	1.4093964363 E 2	1.6513137682 E 2	1.9127973058 E 2
4.75	9.9290804253 E 1	1.1967941711 E 2	1.4196381166 E 2	1.6617811391 E 2	1.9234304586 E 2
5.00	1.0029296095 E 2	1.2072704174 E 2	1.4304394550 E 2	1.6728223054 E 2	1.9346594912 E 2
5.25	1.0134581350 E 2	1.2182855743 E 2	1.4418009988 E 2	1.6843826271 E 2	1.9464676207 E 2
5.50	1.0244914588 E 2	1.2298391489 E 2	1.4537232146 E 2	1.6963300048 E 2	1.9588620808 E 2
5.75	1.0360270553 E 2	1.2419304401 E 2	1.4662064703 E 2	1.7093984688 E 2	1.9718441145 E 2
6.00	1.0480920023 E 2	1.2545585118 E 2	1.4792510167 E 2	1.7227445663 E 2	1.9854149655 E 2
6.25	1.0605929514 E 2	1.2677221655 E 2	1.4928569675 E 2	1.7366691481 E 2	1.9995758698 E 2
6.50	1.0736160991 E 2	1.2814199119 E 2	1.5070242780 E 2	1.7511729945 E 2	2.0143280464 E 2
6.75	1.0871271603 E 2	1.2956499424 E 2	1.5217527233 E 2	1.7662568001 E 2	2.0296726868 E 2
7.00	1.1011213444 E 2	1.3104160996 E 2	1.5370418749 E 2	1.7819211575 E 2	2.0456109452 E 2
7.25	1.1155933346 E 2	1.3256978490 E 2	1.5528910767 E 2	1.7981665407 E 2	2.0621439260 E 2
7.50	1.1305327114 E 2	1.3415102501 E 2	1.5692994199 E 2	1.8149932863 E 2	2.0792726725 E 2
7.75	1.1459467405 E 2	1.3573439293 E 2	1.5862657173 E 2	1.8324015753 E 2	2.0969981536 E 2
8.00	1.1618147651 E 2	1.3746950531 E 2	1.6037884767 E 2	1.8503914122 E 2	2.1153212499 E 2
8.25	1.178138053 E 2	1.3920593045 E 2	1.6218658746 E 2	1.8689626046 E 2	2.1342427392 E 2
8.50	1.1948957618 E 2	1.4099318604 E 2	1.6404957288 E 2	1.8881147410 E 2	2.1537632811 E 2
8.75	1.2120919866 E 2	1.4283073732 E 2	1.6596754720 E 2	1.9078471677 E 2	2.1738834004 E 2
9.00	1.2297133004 E 2	1.4471799545 E 2	1.6794021253 E 2	1.9281589660 E 2	2.1946034696 E 2
9.25	1.2477500155 E 2	1.4665431646 E 2	1.6996722731 E 2	1.9490489272 E 2	2.2159236913 E 2
9.50	1.2661919655 E 2	1.4863900046 E 2	1.7204820383 E 2	1.9705155283 E 2	2.2378440783 E 2
9.75	1.2850285405 E 2	1.5067129148 E 2	1.7418270602 E 2	1.9925569066 E 2	2.2603644339 E 2
10.00	1.3042487282 E 2	1.5275037778 E 2	1.7637024743 E 2	2.0151708351 E 2	2.2834843314 E 2
11.00	1.3847339320 E 2	1.6151655544 E 2	1.8543922154 E 2	2.1112933578 E 2	2.3819415061 E 2
12.00	1.4704052903 E 2	1.7095312432 E 2	1.9570390258 E 2	2.2162873512 E 2	2.4898820703 E 2
13.00	1.5604769316 E 2	1.8098626332 E 2	2.0650718920 E 2	2.3297869458 E 2	2.6071169806 E 2
14.00	1.6541952337 E 2	1.9153640375 E 2	2.1797970823 E 2	2.4512883151 E 2	2.7333486676 E 2
15.00	1.7508788843 E 2	2.0252363358 E 2	2.3004339254 E 2	2.5801544559 E 2	2.8681347564 E 2
16.00	1.8499422259 E 2	2.1387260528 E 2	2.4261640993 E 2	2.7156392054 E 2	3.0109039244 E 2
17.00	1.9509009817 E 2	2.2551603241 E 2	2.5618366698 E 2	2.8569282560 E 2	3.1609387575 E 2
18.00	2.0533365828 E 2	2.3739645030 E 2	2.697470327 E 2	3.0031893918 E 2	3.3175084456 E 2
19.00	2.1570298384 E 2	2.4946644134 E 2	2.8261958725 E 2	3.1536214054 E 2	3.4797144253 E 2
20.00	2.2616529790 E 2	2.6168788747 E 2	2.9649717549 E 2	3.3074925120 E 2	3.6467380847 E 2



TABLE 6 -- Prolate Eigenvalues  $\lambda_{5N}$

C	N=5	N=6	N=7	N=8	N=9
0.25	3.0004806270 E 1	4.2012497549 E 1	5.6017249506 E 1	7.2020393837 E 1	9.0022583605 E 1
0.50	3.0019208054 E 1	4.2049960825 E 1	5.6068978527 E 1	7.2081564542 E 1	9.0090329265 E 1
0.75	3.0043154510 E 1	4.2112301939 E 1	5.6155128488 E 1	7.2183479580 E 1	9.0203221427 E 1
1.00	3.0076561710 E 1	4.2199375182 E 1	5.6275601535 E 1	7.2326084359 E 1	9.0361233873 E 1
1.25	3.0119313815 E 1	4.2310978167 E 1	5.6430260208 E 1	7.2509301677 E 1	9.0564329273 E 1
1.50	3.0171264695 E 1	4.2446853416 E 1	5.6618927023 E 1	7.2733030982 E 1	9.0812458577 E 1
1.75	3.0232239915 E 1	4.2606690371 E 1	5.6841384006 E 1	7.2997147432 E 1	9.1105560227 E 1
2.00	3.0302039060 E 1	4.2790127805 E 1	5.7097372231 E 1	7.3301500804 E 1	9.1443559217 E 1
2.25	3.0380438334 E 1	4.2996756605 E 1	5.7386591394 E 1	7.3645914260 E 1	9.1826365997 E 1
2.50	3.0467193356 E 1	4.3226122898 E 1	5.7708699508 E 1	7.4030180315 E 1	9.2253875239 E 1
2.75	3.0562042096 E 1	4.3477731480 E 1	5.8063312749 E 1	7.4454072923 E 1	9.2725944465 E 1
3.00	3.0664707889 E 1	4.3751049512 E 1	5.8450005519 E 1	7.4917319051 E 1	9.3242492574 E 1
3.25	3.0774902446 E 1	4.4045510425 E 1	5.8868310775 E 1	7.5419624245 E 1	9.3803298261 E 1
3.50	3.0892328818 E 1	4.4360518002 E 1	5.9317720660 E 1	7.5960657772 E 1	9.4408198359 E 1
3.75	3.101668248 E 1	4.4695450374 E 1	5.9797687470 E 1	7.6540054046 E 1	9.5056986134 E 1
4.00	3.1147662875 E 1	4.5049665279 E 1	6.0307624981 E 1	7.7157411519 E 1	9.5749229540 E 1
4.25	3.1284958239 E 1	4.5422502339 E 1	6.0846910145 E 1	7.7812291759 E 1	9.6485269473 E 1
4.50	3.1428265571 E 1	4.5813289288 E 1	6.1414885152 E 1	7.8504218767 E 1	9.7264218059 E 1
4.75	3.1577283843 E 1	4.6213451116 E 1	6.2010859849 E 1	7.9232678573 E 1	9.8085956988 E 1
5.00	3.1731717558 E 1	4.6645984264 E 1	6.2634114489 E 1	7.9997119141 E 1	9.8950135952 E 1
5.25	3.1891278295 E 1	4.7086520443 E 1	6.3283902775 E 1	8.0796950621 E 1	9.9856371202 E 1
5.50	3.2055689989 E 1	4.7542270230 E 1	6.3959455166 E 1	8.1631545955 E 1	1.0080424427 E 2
5.75	3.2224669974 E 1	4.8012556397 E 1	6.4659982385 E 1	8.2500241865 E 1	1.0179330089 E 2
6.00	3.2397469796 E 1	4.8496710974 E 1	6.5384679078 E 1	8.3402340214 E 1	1.0282305015 E 2
6.25	3.2575335805 E 1	4.8994077992 E 1	6.6137272757 E 1	8.4337109743 E 1	1.0389296388 E 2
6.50	3.2758229558 E 1	4.9504015922 E 1	6.6903301685 E 1	8.530780167 E 1	1.0500247637 E 2
6.75	3.2941324050 E 1	5.0025899787 E 1	6.7695570475 E 1	8.6301584607 E 1	1.0615098441 E 2
7.00	3.3129503789 E 1	5.0559122948 E 1	6.8508701971 E 1	8.7329682329 E 1	1.0735784756 E 2
7.25	3.3320864747 E 1	5.1103098859 E 1	6.9341864743 E 1	8.8367241750 E 1	1.0864238892 E 2
7.50	3.3515218195 E 1	5.1694260834 E 1	7.0194241308 E 1	8.9417403667 E 1	1.09982389612 E 2
7.75	3.3712370851 E 1	5.2221065722 E 1	7.1065011337 E 1	9.0587292659 E 1	1.1121622275 E 2
8.00	3.3912162560 E 1	5.2793991717 E 1	7.1953374610 E 1	9.1728020621 E 1	1.1245479007 E 2
8.25	3.4114429916 E 1	5.3375540114 E 1	7.2858543706 E 1	9.2894690354 E 1	1.1382238911 E 2
8.50	3.4319021836 E 1	5.3965235163 E 1	7.3779748404 E 1	9.4066399188 E 1	1.1522418303 E 2
8.75	3.4525797118 E 1	5.4562624005 E 1	7.4716237795 E 1	9.5302242557 E 1	1.1665870975 E 2
9.00	3.4734623574 E 1	5.5167276425 E 1	7.5687282078 E 1	9.6541317503 E 1	1.1812528490 E 2
9.25	3.4945377554 E 1	5.578784468 E 1	7.6632174067 E 1	9.7802726037 E 1	1.1962500490 E 2
9.50	3.5157943472 E 1	5.6396741921 E 1	7.7610230395 E 1	9.9085578348 E 1	1.2115095023 E 2
9.75	3.5372215335 E 1	5.7020843688 E 1	7.8600792441 E 1	1.0038899579 E 2	1.2270818879 E 2
10.00	3.5598086285 E 1	5.7650685097 E 1	7.9603226990 E 1	1.0171211367 E 2	1.2429377943 E 2
11.00	3.6465816443 E 1	6.0221424445 E 1	8.3719931954 E 1	1.0718491643 E 2	1.3090071444 E 2
12.00	3.7362695164 E 1	6.2861505490 E 1	8.7982645349 E 1	1.1208844480 E 2	1.3786593413 E 2
13.00	3.8274825864 E 1	6.5556897573 E 1	9.2362922327 E 1	1.1839222097 E 2	1.4519185975 E 2
14.00	3.9199231649 E 1	6.8296710796 E 1	9.6837923702 E 1	1.2493813765 E 2	1.5276589461 E 2
15.00	4.0133619627 E 1	7.1072491066 E 1	1.0138952295 E 2	1.3117424759 E 2	1.6056329333 E 2
16.00	4.1076207995 E 1	7.38707650358 E 1	1.0600341257 E 2	1.3752208603 E 2	1.6854050529 E 2
17.00	4.2025598417 E 1	7.6707023328 E 1	1.1064683086 E 2	1.4396119427 E 2	1.7664857059 E 2
18.00	4.2980683500 E 1	7.956529331 E 1	1.1537529117 E 2	1.507522683 E 2	1.8491981052 E 2
19.00	4.3940575977 E 1	8.2422918591 E 1	1.2011727241 E 2	1.5705114195 E 2	1.9327229485 E 2
20.00	4.4904559783 E 1	8.5303580280 E 1	1.2488858816 E 2	1.6367851570 E 2	2.0170950427 E 2

TABLE 6a - Prolate Eigenvalues  $\lambda_{5N}$

C	N=10	N=11	N=12	N=13	N=14
0.25	1.1022417033 E 2	1.3202535716 E 2	1.5602624823 E 2	1.8202698293 E 2	2.1002755396 E 2
0.50	1.1009667962 E 2	1.3210142897 E 2	1.5610507442 E 2	1.8210793386 E 2	2.1011021633 E 2
0.75	1.1021752261 E 2	1.322821626 E 2	1.5623842293 E 2	1.8224285913 E 2	2.1024800046 E 2
1.00	1.1038669036 E 2	1.3240572032 E 2	1.5642032097 E 2	1.8243176925 E 2	2.1044091259 E 2
1.25	1.1065416992 E 2	1.3263394265 E 2	1.5665677842 E 2	1.8267467881 E 2	2.1066897176 E 2
1.50	1.1086994386 E 2	1.3291288468 E 2	1.5694580766 E 2	1.8297169631 E 2	2.1099219971 E 2
1.75	1.1118398979 E 2	1.3324254735 E 2	1.5728742327 E 2	1.8332257404 E 2	2.1135062276 E 2
2.00	1.1154627958 E 2	1.3362293071 E 2	1.5768164176 E 2	1.8372760781 E 2	2.1176427168 E 2
2.25	1.1195677866 E 2	1.3405403333 E 2	1.5812848115 E 2	1.8418673673 E 2	2.1223331819 E 2
2.50	1.1241544503 E 2	1.3453585165 E 2	1.5862796060 E 2	1.8469999288 E 2	2.1275739128 E 2
2.75	1.1292222827 E 2	1.3506837930 E 2	1.5918009984 E 2	1.8526741101 E 2	2.1333694394 E 2
3.00	1.1347706839 E 2	1.3565160627 E 2	1.5978491869 E 2	1.8588902815 E 2	2.1397188594 E 2
3.25	1.1407989458 E 2	1.3628551805 E 2	1.6044243639 E 2	1.8656488319 E 2	2.1466226700 E 2
3.50	1.1473062388 E 2	1.3697009460 E 2	1.6115267098 E 2	1.8729501637 E 2	2.1540813981 E 2
3.75	1.1542915971 E 2	1.3770530937 E 2	1.6191563849 E 2	1.8807946886 E 2	2.1620955964 E 2
4.00	1.1617539039 E 2	1.3849112813 E 2	1.6273135224 E 2	1.8891828212 E 2	2.1706658397 E 2
4.25	1.1696918751 E 2	1.3932750773 E 2	1.6359982187 E 2	1.8981149735 E 2	2.1797927207 E 2
4.50	1.1781040428 E 2	1.4021439489 E 2	1.6452105251 E 2	1.9075915484 E 2	2.1894768455 E 2
4.75	1.1869887383 E 2	1.4115172474 E 2	1.65489504373 E 2	1.9176129324 E 2	2.1997188289 E 2
5.00	1.1963440743 E 2	1.4213941948 E 2	1.6652178853 E 2	1.9281794888 E 2	2.2105192887 E 2
5.25	1.2061679277 E 2	1.4317738682 E 2	1.6760127218 E 2	1.9392915490 E 2	2.2218788410 E 2
5.50	1.2164579217 E 2	1.4426551848 E 2	1.6873347109 E 2	1.9509494046 E 2	2.2337980933 E 2
5.75	1.2272114085 E 2	1.4540368856 E 2	1.6991835155 E 2	1.9631532985 E 2	2.2462776388 E 2
6.00	1.2384254523 E 2	1.4659175192 E 2	1.7115586844 E 2	1.9759034151 E 2	2.2593180495 E 2
6.25	1.2500968133 E 2	1.47829594249 E 2	1.7244596389 E 2	1.9891998703 E 2	2.2729198492 E 2
6.50	1.2622219322 E 2	1.4911687162 E 2	1.7378856586 E 2	2.0030427015 E 2	2.2870836054 E 2
6.75	1.2747969166 E 2	1.5045352638 E 2	1.7518358666 E 2	2.0174318559 E 2	2.3018097223 E 2
7.00	1.2878175280 E 2	1.5183926789 E 2	1.7663692162 E 2	2.0323671797 E 2	2.3170986314 E 2
7.25	1.3012791719 E 2	1.5327382965 E 2	1.7813044726 E 2	2.0478484052 E 2	2.3329506834 E 2
7.50	1.3151768889 E 2	1.5475691601 E 2	1.7968202002 E 2	2.0638751389 E 2	2.3493661582 E 2
7.75	1.3295053485 E 2	1.5628820062 E 2	1.8128347453 E 2	2.0804468484 E 2	2.3663452558 E 2
8.00	1.3442588459 E 2	1.5786732499 E 2	1.8294062208 E 2	2.0975028487 E 2	2.3838880856 E 2
8.25	1.3594313010 E 2	1.5949389724 E 2	1.8464724903 E 2	2.1152222886 E 2	2.4019946560 E 2
8.50	1.3750162608 E 2	1.6116749086 E 2	1.8640511521 E 2	2.1334241362 E 2	2.4206648631 E 2
8.75	1.3910069049 E 2	1.6288764379 E 2	1.8821395245 E 2	2.1521671650 E 2	2.439854790 E 2
9.00	1.4073960540 E 2	1.6465385756 E 2	1.9007346306 E 2	2.1714499385 E 2	2.4596951401 E 2
9.25	1.4241761817 E 2	1.6646559672 E 2	1.9198331844 E 2	2.1912707958 E 2	2.4800543344 E 2
9.50	1.4413394298 E 2	1.6832228848 E 2	1.9394315773 E 2	2.2116278368 E 2	2.5009753888 E 2
9.75	1.458876264 E 2	1.7022322258 E 2	1.9595258662 E 2	2.2325189067 E 2	2.5224574558 E 2
10.00	1.4767823066 E 2	1.7216805149 E 2	1.9801117626 E 2	2.2539415822 E 2	2.5444995003 E 2
11.00	1.5518677332 E 2	1.8036969246 E 2	2.0672730895 E 2	2.3446896745 E 2	2.6382394035 E 2
12.00	1.6321217638 E 2	1.8920951080 E 2	2.1618625331 E 2	2.4440704895 E 2	2.7407978773 E 2
13.00	1.7168637257 E 2	1.9863067135 E 2	2.2634304770 E 2	2.5511730740 E 2	2.8519887150 E 2
14.00	1.8054958209 E 2	2.0857127580 E 2	2.3714418886 E 2	2.6657932804 E 2	2.9715439042 E 2
15.00	1.8974324107 E 2	2.1892746665 E 2	2.4852949613 E 2	2.7874341622 E 2	3.0991049153 E 2
16.00	1.9921413451 E 2	2.2975657065 E 2	2.6043480701 E 2	2.9155282829 E 2	3.2342205353 E 2
17.00	2.0891558159 E 2	2.4087975911 E 2	2.7279506256 E 2	3.0494393929 E 2	3.3763534126 E 2
18.00	2.1880776320 E 2	2.5228389666 E 2	2.8554725896 E 2	3.1885105825 E 2	3.5248960301 E 2
19.00	2.2885741962 E 2	2.6392249703 E 2	2.9863282559 E 2	3.3320843851 E 2	3.6791947194 E 2
20.00	2.3903717514 E 2	2.7575590481 E 2	3.1199918970 E 2	3.4795320686 E 2	3.8385783336 E 2

TABLE 7 - Prolate Eigenvalues

C	N = 6	N = 7	N = 8	N = 9	N = 10
0.25	4.2004165713 E 1	5.6011027654 E 1	7.2015568831 E 1	9.0018731625 E 1	1.1002102351 E 2
0.50	4.2016651439 E 1	5.6044089551 E 1	7.2062259195 E 1	9.0074916077 E 1	1.1008408794 E 2
0.75	4.2037423057 E 1	5.6095122633 E 1	7.2140022690 E 1	9.0148522037 E 1	1.1018917485 E 2
1.00	4.2066424132 E 1	5.6176022280 E 1	7.2248077861 E 1	9.0299797127 E 1	1.1033622335 E 2
1.25	4.2103576546 E 1	5.6274643014 E 1	7.2388413915 E 1	9.0467767660 E 1	1.1052227984 E 2
1.50	4.2148781364 E 1	5.6394799485 E 1	7.2558783153 E 1	9.0673238283 E 1	1.1075619744 E 2
1.75	4.2201919919 E 1	5.6536267706 E 1	7.2759708466 E 1	9.0915791542 E 1	1.1102893655 E 2
2.00	4.2262855080 E 1	5.6698786548 E 1	7.2990979572 E 1	9.1195287377 E 1	1.1134341231 E 2
2.25	4.2331432690 E 1	5.6882059465 E 1	7.3252353824 E 1	9.1511562553 E 1	1.1169952596 E 2
2.50	4.2407483134 E 1	5.7085756429 E 1	7.3543556340 E 1	9.1864430049 E 1	1.12097716313 E 2
2.75	4.2490823013 E 1	5.7309516065 E 1	7.3864280236 E 1	9.2253678431 E 1	1.1253619331 E 2
3.00	4.2581256884 E 1	5.7552947955 E 1	7.4214186969 E 1	9.2679071208 E 1	1.1301646897 E 2
3.25	4.2678579041 E 1	5.7815635079 E 1	7.4529066834 E 1	9.3140346217 E 1	1.1353782470 E 2
3.50	4.2782575305 E 1	5.8097136388 E 1	7.5000039604 E 1	9.3637215042 E 1	1.1410007652 E 2
3.75	4.2893024790 E 1	5.8396989459 E 1	7.5435155354 E 1	9.4169362494 E 1	1.1470301989 E 2
4.00	4.3009701623 E 1	5.8714713211 E 1	7.5897795461 E 1	9.4736446178 E 1	1.1534643084 E 2
4.25	4.3132376598 E 1	5.9048781066 E 1	7.6387473794 E 1	9.5338096166 E 1	1.1603006295 E 2
4.50	4.3260818730 E 1	5.9401771679 E 1	7.6903678095 E 1	9.5973914794 E 1	1.1675364749 E 2
4.75	4.3394796715 E 1	5.9770075714 E 1	7.7445871544 E 1	9.6643476613 E 1	1.1751689237 E 2
5.00	4.3534080264 E 1	6.0154194482 E 1	7.8013494498 E 1	9.7346328498 E 1	1.1831948126 E 2
5.25	4.3678441311 E 1	6.0532594568 E 1	7.8605966401 E 1	9.8081989934 E 1	1.1916107291 E 2
5.50	4.3827655094 E 1	6.0967739929 E 1	7.9222687834 E 1	9.8849534496 E 1	1.2004133004 E 2
5.75	4.3981501098 E 1	6.1396094276 E 1	7.9863042691 E 1	9.9649685523 E 1	1.2095977108 E 2
6.00	4.4139763864 E 1	6.183123322 E 1	8.0524800464 E 1	1.0048062699 E 2	1.2191460525 E 2
6.25	4.4302233677 E 1	6.229296869 E 1	8.1212118595 E 1	1.0134219459 E 2	1.2290973681 E 2
6.50	4.4468707122 E 1	6.2761090734 E 1	8.1919344882 E 1	1.0223378201 E 2	1.2394031274 E 2
6.75	4.4638987528 E 1	6.3240988496 E 1	8.2648019907 E 1	1.0315476137 E 2	1.2500729322 E 2
7.00	4.48124885304 E 1	6.3732483073 E 1	8.3398679452 E 1	1.0410448486 E 2	1.2611015194 E 2
7.25	4.4990218175 E 1	6.4235078088 E 1	8.4165456885 E 1	1.0508228658 E 2	1.27244033649 E 2
7.50	4.5170811330 E 1	6.4748289094 E 1	8.4953085482 E 1	1.0608748439 E 2	1.2842126905 E 2
7.75	4.5354497493 E 1	6.5271644582 E 1	8.5759100675 E 1	1.0711938206 E 2	1.2962834717 E 2
8.00	4.554116919 E 1	6.5804686834 E 1	8.6582842178 E 1	1.081727136 E 2	1.3086894482 E 2
8.25	4.5733517340 E 1	6.6346972601 E 1	8.7426056010 E 1	1.0926043431 E 2	1.3214241357 E 2
8.50	4.5922553849 E 1	6.6895073632 E 1	8.8280996361 E 1	1.1036814542 E 2	1.3344808403 E 2
8.75	4.6117088750 E 1	6.7457577040 E 1	8.9153927320 E 1	1.1149967402 E 2	1.3478526733 E 2
9.00	4.6313991372 E 1	6.8025085550 E 1	9.0042124434 E 1	1.1265428650 E 2	1.3615325685 E 2
9.25	4.6513137854 E 1	6.8600217605 E 1	9.0944876106 E 1	1.1383124859 E 2	1.3755133010 E 2
9.50	4.6714410910 E 1	6.9182607377 E 1	9.1861584822 E 1	1.1502982752 E 2	1.3897875060 E 2
9.75	4.6917699579 E 1	6.9771904665 E 1	9.2791668210 E 1	1.1624929418 E 2	1.4043476596 E 2
10.00	4.7122898964 E 1	7.0367774713 E 1	9.3734559928 E 1	1.1748892508 E 2	1.4191863004 E 2
11.00	4.7960902986 E 1	7.2810811787 E 1	9.7623480890 E 1	1.2263492254 E 2	1.4811709343 E 2
12.00	4.8822481869 E 1	7.5336025125 E 1	1.0167656353 E 2	1.2804831650 E 2	1.5469928804 E 2
13.00	4.9703265212 E 1	7.7929595036 E 1	1.0586604778 E 2	1.336887956 E 2	1.6161660706 E 2
14.00	5.0599797066 E 1	8.0576547778 E 1	1.1016877079 E 2	1.3952094174 E 2	1.6882303090 E 2
15.00	5.1509338212 E 1	8.3270252930 E 1	1.1456533824 E 2	1.4551366020 E 2	1.7627645215 E 2
16.00	5.2429707684 E 1	8.6001971715 E 1	1.1903998364 E 2	1.5144087307 E 2	1.8393942324 E 2
17.00	5.3359158710 E 1	8.8765474349 E 1	1.2357981005 E 2	1.5788069297 E 2	1.9177942712 E 2
18.00	5.4296282852 E 1	9.1555727444 E 1	1.2817431285 E 2	1.6421497501 E 2	1.9976867014 E 2
19.00	5.5239936375 E 1	9.4366644287 E 1	1.3281492928 E 2	1.7062875575 E 2	2.0788374878 E 2
20.00	5.6189183760 E 1	9.7200887920 E 1	1.3749466132 E 2	1.7710972227 E 2	2.1610510327 E 2

TABLE 7a - Prolate Eigenvalues  $\lambda_{gh}$

C	N=11	N=12	N=13	N=14	N=15
0.25	1.3202273782 E 2	1.5602405383 E 2	1.8202508620 E 2	2.1002591105 E 2	2.4002658056 E 2
0.50	1.3229094811 E 2	1.5609621408 E 2	1.8210034479 E 2	2.1010364498 E 2	2.4010632352 E 2
0.75	1.3220462123 E 2	1.5621647688 E 2	1.8222577565 E 2	2.1023320407 E 2	2.4023923263 E 2
1.00	1.3236374097 E 2	1.5638483573 E 2	1.8240137855 E 2	2.1044781920 E 2	2.4042531416 E 2
1.25	1.3256828438 E 2	1.5660128129 E 2	1.8260715297 E 2	2.1064781812 E 2	2.4066457676 E 2
1.50	1.3281822143 E 2	1.5686580119 E 2	1.8290309801 E 2	2.1093287662 E 2	2.4095703144 E 2
1.75	1.3311351471 E 2	1.5717837975 E 2	1.8322921215 E 2	2.1126979714 E 2	2.4130269144 E 2
2.00	1.3345411891 E 2	1.5753899748 E 2	1.8360549304 E 2	2.1165855418 E 2	2.4170157209 E 2
2.25	1.3383926036 E 2	1.5794763163 E 2	1.8403193716 E 2	2.1209918699 E 2	2.4215369071 E 2
2.50	1.3427103642 E 2	1.5840425378 E 2	1.8450853956 E 2	2.1259169535 E 2	2.4265906637 E 2
2.75	1.3474721480 E 2	1.5890883133 E 2	1.8503529342 E 2	2.1313608926 E 2	2.4321771974 E 2
3.00	1.3526843288 E 2	1.5946132590 E 2	1.8561218969 E 2	2.1373237868 E 2	2.4382967285 E 2
3.25	1.3583459686 E 2	1.6003616297 E 2	1.8623921657 E 2	2.1438057313 E 2	2.4449494884 E 2
3.50	1.3644560094 E 2	1.6070988115 E 2	1.8691635907 E 2	2.1508068138 E 2	2.4521357171 E 2
3.75	1.3710132646 E 2	1.6140583149 E 2	1.8764359838 E 2	2.1583271102 E 2	2.4598556599 E 2
4.00	1.3780164088 E 2	1.6214947669 E 2	1.8842091136 E 2	2.1663666801 E 2	2.4681095645 E 2
4.25	1.3854639686 E 2	1.6294074029 E 2	1.8924826986 E 2	2.1749255622 E 2	2.4768976773 E 2
4.50	1.3933543124 E 2	1.6377953578 E 2	1.9012564006 E 2	2.1840037695 E 2	2.4862202400 E 2
4.75	1.4016856400 E 2	1.6466576573 E 2	1.9105298176 E 2	2.1936012835 E 2	2.4960774851 E 2
5.00	1.4104559721 E 2	1.6559932082 E 2	1.9203024760 E 2	2.2037180488 E 2	2.5064496323 E 2
5.25	1.4196631402 E 2	1.6658007887 E 2	1.9305738231 E 2	2.2143359667 E 2	2.5173968833 E 2
5.50	1.4293047759 E 2	1.6760790385 E 2	1.9413432185 E 2	2.2255088893 E 2	2.5288594176 E 2
5.75	1.4393783014 E 2	1.6868264486 E 2	1.9526099257 E 2	2.2371826123 E 2	2.5408573870 E 2
6.00	1.4498809195 E 2	1.6980413509 E 2	1.9643731031 E 2	2.2493748683 E 2	2.5533909106 E 2
6.25	1.4608096042 E 2	1.7097219075 E 2	1.9766317947 E 2	2.2620853195 E 2	2.5664600691 E 2
6.50	1.4721610929 E 2	1.7218661011 E 2	1.9893849206 E 2	2.2753135494 E 2	2.5800648985 E 2
6.75	1.4839318779 E 2	1.734471237 E 2	2.0026312678 E 2	2.2890590557 E 2	2.5942053847 E 2
7.00	1.4961182302 E 2	1.7475369479 E 2	2.0163694796 E 2	2.3033212417 E 2	2.6088814563 E 2
7.25	1.5087160436 E 2	1.7610574133 E 2	2.0305980463 E 2	2.3180994073 E 2	2.6240929784 E 2
7.50	1.5217211302 E 2	1.7750320244 E 2	2.0453152948 E 2	2.3333927412 E 2	2.6398397454 E 2
7.75	1.5351289172 E 2	1.7894571342 E 2	2.0605193786 E 2	2.3492003112 E 2	2.6561214736 E 2
8.00	1.5489345956 E 2	1.8043294402 E 2	2.0762082680 E 2	2.3655210553 E 2	2.6729377939 E 2
8.25	1.5631330895 E 2	1.8196453954 E 2	2.0923977402 E 2	2.3823537722 E 2	2.6902882441 E 2
8.50	1.5777190584 E 2	1.8354012023 E 2	2.1093013695 E 2	2.3996971121 E 2	2.7081722606 E 2
8.75	1.5926868998 E 2	1.8515928074 E 2	2.1261605183 E 2	2.4175495672 E 2	2.7265891703 E 2
9.00	1.6080307550 E 2	1.8682158963 E 2	2.1437643281 E 2	2.4359094618 E 2	2.7455381821 E 2
9.25	1.6237445151 E 2	1.8852658905 E 2	2.1618397110 E 2	2.45477449430 E 2	2.7650183787 E 2
9.50	1.6398218307 E 2	1.9027379461 E 2	2.1803833422 E 2	2.4741439713 E 2	2.7850287071 E 2
9.75	1.6562561214 E 2	1.9206269526 E 2	2.1993916526 E 2	2.4940143114 E 2	2.8055679703 E 2
10.00	1.6730405885 E 2	1.9399275346 E 2	2.2188608229 E 2	2.5143835228 E 2	2.8266348179 E 2
11.00	1.7435374162 E 2	2.0161290203 E 2	2.3012606827 E 2	2.6007926210 E 2	2.9161451787 E 2
12.00	1.8190469524 E 2	2.0994199608 E 2	2.3906609989 E 2	2.6949291118 E 2	3.0139429118 E 2
13.00	1.8990656278 E 2	2.1883434749 E 2	2.4866919564 E 2	2.79652338363 E 2	3.1198489689 E 2
14.00	1.9830814961 E 2	2.2824008011 E 2	2.5889215044 E 2	2.9052379477 E 2	3.236240008 E 2
15.00	2.0705945340 E 2	2.3810701583 E 2	2.6968620808 E 2	3.0206690960 E 2	3.354932892 E 2
16.00	2.1611335552 E 2	2.4838271460 E 2	2.8100065178 E 2	3.1423560856 E 2	3.4834955558 E 2
17.00	2.2542681792 E 2	2.5901638030 E 2	2.9278071492 E 2	3.2697919015 E 2	3.6187867286 E 2
18.00	2.3496154174 E 2	2.6996040281 E 2	3.0497355022 E 2	3.4024405631 E 2	3.7603490943 E 2
19.00	2.4468415548 E 2	2.8117141257 E 2	3.1752800144 E 2	3.5397561873 E 2	3.9074553382 E 2
20.00	2.5456604942 E 2	2.9261083459 E 2	3.3039638929 E 2	3.6812017842 E 2	4.0601560086 E 2

TABLE 8 - Prolate Eigenvalues

λ<sub>7N</sub>

C	N=7	N=8	N=9	N=10	N=11
0.25	5.6003675801 E 1	7.2009867119 E 1	9.0014179569 E 1	1.1001730470 E 2	1.3201964233 E 2
0.50	5.6014695182 E 1	7.2088710534 E 1	9.0056705649 E 1	1.1006920932 E 2	1.3207856306 E 2
0.75	5.6033034152 E 1	7.2088710534 E 1	9.0127536759 E 1	1.1015568841 E 2	1.3217674332 E 2
1.00	5.6058657968 E 1	7.2157562534 E 1	9.0226608596 E 1	1.1027668543 E 2	1.3231415159 E 2
1.25	5.6091496504 E 1	7.2255900907 E 1	9.0353828084 E 1	1.1043214270 E 2	1.3249074352 E 2
1.50	5.6131494745 E 1	7.2353587926 E 1	9.0509076446 E 1	1.1072197120 E 2	1.3270646174 E 2
1.75	5.6178563420 E 1	7.2480456893 E 1	9.0692208712 E 1	1.1084606537 E 2	1.3296123560 E 2
2.00	5.6232604737 E 1	7.2626313101 E 1	9.0903053868 E 1	1.1110429994 E 2	1.3325498084 E 2
2.25	5.6293508231 E 1	7.2790934941 E 1	9.1141415051 E 1	1.1139652963 E 2	1.3358759928 E 2
2.50	5.6361151691 E 1	7.2974075156 E 1	9.1407069799 E 1	1.1172258890 E 2	1.3395897837 E 2
2.75	5.6435402169 E 1	7.3175462214 E 1	9.1699770377 E 1	1.1208229172 E 2	1.3436899079 E 2
3.00	5.6516117034 E 1	7.3394801806 E 1	9.2019244172 E 1	1.1247543127 E 2	1.3481749397 E 2
3.25	5.6603145070 E 1	7.3631778441 E 1	9.2365194175 E 1	1.1290177972 E 2	1.3530432961 E 2
3.50	5.6696327596 E 1	7.3886057122 E 1	9.2737299556 E 1	1.1336108804 E 2	1.3582932318 E 2
3.75	5.6795499591 E 1	7.4157285096 E 1	9.3135216335 E 1	1.1385308579 E 2	1.3639228336 E 2
4.00	5.6900490817 E 1	7.4444509365 E 1	9.3558578165 E 1	1.1437748102 E 2	1.3699300161 E 2
4.25	5.7011126907 E 1	7.4749099979 E 1	9.4006997205 E 1	1.1493396023 E 2	1.3763125161 E 2
4.50	5.7127230434 E 1	7.5068090874 E 1	9.4486006511 E 1	1.1552218834 E 2	1.3830678878 E 2
4.75	5.7248621921 E 1	7.5404115151 E 1	9.4977354154 E 1	1.1614180887 E 2	1.3901934984 E 2
5.00	5.7375120806 E 1	7.5754304454 E 1	9.5498418358 E 1	1.1679244407 E 2	1.3976865241 E 2
5.25	5.7506546740 E 1	7.6119056082 E 1	9.6042794844 E 1	1.1747369523 E 2	1.4055439460 E 2
5.50	5.7642714418 E 1	7.6497979426 E 1	9.6610005181 E 1	1.1818514310 E 2	1.4137625476 E 2
5.75	5.7783495834 E 1	7.6890539947 E 1	9.7199556842 E 1	1.1892634040 E 2	1.4223389117 E 2
6.00	5.7928589507 E 1	7.7296412487 E 1	9.7810944725 E 1	1.1969685242 E 2	1.4312694194 E 2
6.25	5.8077938005 E 1	7.7715131170 E 1	9.8443652722 E 1	1.2049617782 E 2	1.4405502488 E 2
6.50	5.8231333173 E 1	7.8146266708 E 1	9.9097155335 E 1	1.2132382939 E 2	1.4501773756 E 2
6.75	5.8388608044 E 1	7.8599392616 E 1	9.9770919307 E 1	1.2217929512 E 2	1.4601465738 E 2
7.00	5.8549599757 E 1	7.9044086486 E 1	1.0044440527 E 2	1.2306204717 E 2	1.4704534183 E 2
7.25	5.8714149859 E 1	7.9509931158 E 1	1.0117706939 E 2	1.2397154312 E 2	1.4810932878 E 2
7.50	5.8882104588 E 1	7.9986515782 E 1	1.0190836500 E 2	1.2490722715 E 2	1.4920613692 E 2
7.75	5.9053315065 E 1	8.0473436766 E 1	1.0265774416 E 2	1.2586853143 E 2	1.5033526636 E 2
8.00	5.9227637445 E 1	8.0970298615 E 1	1.0342465922 E 2	1.2685487748 E 2	1.5149619923 E 2
8.25	5.9404933019 E 1	8.1476714666 E 1	1.0420856432 E 2	1.2786567764 E 2	1.5268840049 E 2
8.50	5.9585068265 E 1	8.1992307706 E 1	1.0500891679 E 2	1.2890033658 E 2	1.5391131881 E 2
8.75	5.9767914869 E 1	8.2516710501 E 1	1.0582517850 E 2	1.2995825280 E 2	1.5516438753 E 2
9.00	5.9953349699 E 1	8.3049566218 E 1	1.0665681710 E 2	1.3103882016 E 2	1.5644702579 E 2
9.25	6.0141254761 E 1	8.3590528758 E 1	1.0750330719 E 2	1.3214142948 E 2	1.5775863963 E 2
9.50	6.0331517120 E 1	8.4139263001 E 1	1.0836413141 E 2	1.3326546996 E 2	1.5909862331 E 2
9.75	6.0524028807 E 1	8.4695444976 E 1	1.0923878136 E 2	1.3441033079 E 2	1.6046636054 E 2
10.00	6.0718686700 E 1	8.5258761949 E 1	1.1012675850 E 2	1.3557540251 E 2	1.6186122593 E 2
11.00	6.1516880037 E 1	8.7577518347 E 1	1.1380235289 E 2	1.4042573535 E 2	1.6769922143 E 2
12.00	6.2342327293 E 1	8.9988308834 E 1	1.1765429297 E 2	1.4555194802 E 2	1.7391984107 E 2
13.00	6.3190435810 E 1	9.2476306784 E 1	1.2165653745 E 2	1.5091835874 E 2	1.8048179005 E 2
14.00	6.4057459661 E 1	9.5029118315 E 1	1.2578642330 E 2	1.5649288999 E 2	1.8734501016 E 2
15.00	6.4940348396 E 1	9.7636461602 E 1	1.3002453760 E 2	1.6224451751 E 2	1.9447178376 E 2
16.00	6.5836615613 E 1	1.002984220 E 2	1.3435444108 E 2	1.6814940149 E 2	2.0182750373 E 2
17.00	6.6744229154 E 1	1.0298225228 E 2	1.3876231945 E 2	1.7418477890 E 2	2.0938110054 E 2
18.00	6.7641521400 E 1	1.0570790674 E 2	1.4323661755 E 2	1.8033170159 E 2	2.1710517061 E 2
19.00	6.8587118340 E 1	1.0846201951 E 2	1.4776769004 E 2	1.8657409306 E 2	2.2497587701 E 2
20.00	6.9519880272 E 1	1.1124061821 E 2	1.5234748703 E 2	1.9289837842 E 2	2.3297270008 E 2

TABLE 7.6 - Prolete Eigenvalues

λ<sub>7N</sub>

C	N=12	N=13	N=14	N=15	N=16
0.25	1.5602143687 E 2	1.8202284464 E 2	2.1002396945 E 2	2.4002488243 E 2	2.7202563367 E 2
0.50	1.5608574362 E 2	1.8209137641 E 2	2.1009587682 E 2	2.4009529556 E 2	2.7210253509 E 2
0.75	1.5619290657 E 2	1.8220558876 E 2	2.1021571917 E 2	2.4022394091 E 2	2.7223070545 E 2
1.00	1.5634291219 E 2	1.8236547074 E 2	2.1038349149 E 2	2.4039811561 E 2	2.7241014670 E 2
1.25	1.5653572696 E 2	1.8257100682 E 2	2.1059918669 E 2	2.4062205236 E 2	2.7264086151 E 2
1.50	1.5677131716 E 2	1.8282217692 E 2	2.1086279545 E 2	2.4089574935 E 2	2.7292285319 E 2
1.75	1.5704963865 E 2	1.8311895558 E 2	2.1117430607 E 2	2.4121920413 E 2	2.7325612561 E 2
2.00	1.5737063858 E 2	1.8346131319 E 2	2.1153370428 E 2	2.4159241347 E 2	2.7364068311 E 2
2.25	1.5773425507 E 2	1.8384921379 E 2	2.1194097306 E 2	2.4201537321 E 2	2.7407653034 E 2
2.50	1.5814041681 E 2	1.8428261620 E 2	2.1239609235 E 2	2.4248807805 E 2	2.7456367210 E 2
2.75	1.5858904264 E 2	1.8476147308 E 2	2.1289903880 E 2	2.4301052138 E 2	2.7510211348 E 2
3.00	1.5908004111 E 2	1.8528573063 E 2	2.1344978545 E 2	2.4358269497 E 2	2.7569185897 E 2
3.25	1.5961330994 E 2	1.8585532820 E 2	2.1404830139 E 2	2.4420458878 E 2	2.7633291303 E 2
3.50	1.6018873551 E 2	1.8647019777 E 2	2.1469455139 E 2	2.4487619061 E 2	2.7702527942 E 2
3.75	1.6080619233 E 2	1.8713026351 E 2	2.1538849548 E 2	2.4559748584 E 2	2.7776896113 E 2
4.00	1.6146554237 E 2	1.8783544120 E 2	2.1613008856 E 2	2.4636845705 E 2	2.7856396003 E 2
4.25	1.6216663454 E 2	1.8858563771 E 2	2.1691927989 E 2	2.4718908368 E 2	2.7941027666 E 2
4.50	1.6290930402 E 2	1.893875041 E 2	2.1775601264 E 2	2.4803934164 E 2	2.8030790987 E 2
4.75	1.636937166 E 2	1.9022066657 E 2	2.1864022337 E 2	2.4897920287 E 2	2.8125685650 E 2
5.00	1.6451864332 E 2	1.9110526270 E 2	2.1957184144 E 2	2.4994866349 E 2	2.8225711134 E 2
5.25	1.6538490928 E 2	1.9203440396 E 2	2.2055078868 E 2	2.5094760073 E 2	2.8330866606 E 2
5.50	1.6629194359 E 2	1.9300794349 E 2	2.2157697834 E 2	2.5203605755 E 2	2.8441150960 E 2
5.75	1.6723950354 E 2	1.9402572171 E 2	2.2265031498 E 2	2.5315395710 E 2	2.8556562735 E 2
6.00	1.6822732901 E 2	1.9508756571 E 2	2.2377069359 E 2	2.5433212446 E 2	2.8677100086 E 2
6.25	1.6925514203 E 2	1.9619322885 E 2	2.2493799901 E 2	2.5559378587 E 2	2.8802760735 E 2
6.50	1.7032264621 E 2	1.9734268859 E 2	2.2615210528 E 2	2.5680373033 E 2	2.8933541932 E 2
6.75	1.7142952639 E 2	1.9853554890 E 2	2.2741287501 E 2	2.5811878244 E 2	2.9069440403 E 2
7.00	1.7257544819 E 2	1.9977163657 E 2	2.2872015868 E 2	2.5948292951 E 2	2.9210452302 E 2
7.25	1.7376005775 E 2	2.0105070213 E 2	2.3007379400 E 2	2.6089607677 E 2	2.9356573161 E 2
7.50	1.7498298149 E 2	2.0237247897 E 2	2.3147360525 E 2	2.6235811966 E 2	2.9507797839 E 2
7.75	1.7624382593 E 2	2.0373668282 E 2	2.3291940262 E 2	2.6388894314 E 2	2.9664120465 E 2
8.00	1.7754217767 E 2	2.0514301122 E 2	2.3441098153 E 2	2.6542842113 E 2	2.9825534385 E 2
8.25	1.7887760339 E 2	2.0659114313 E 2	2.3594812205 E 2	2.6703641580 E 2	2.9992032105 E 2
8.50	1.8024965000 E 2	2.0808073848 E 2	2.3753058826 E 2	2.6869277698 E 2	3.0163605231 E 2
8.75	1.8165784485 E 2	2.0961143790 E 2	2.3915812765 E 2	2.7039734147 E 2	3.0340244411 E 2
9.00	1.8310169607 E 2	2.1118286243 E 2	2.4083047059 E 2	2.7214993245 E 2	3.0521935278 E 2
9.25	1.8458069306 E 2	2.1279461338 E 2	2.4245473298 E 2	2.7394935880 E 2	3.0708678384 E 2
9.50	1.8609430698 E 2	2.1444462722 E 2	2.4430839987 E 2	2.7579841451 E 2	3.0900449142 E 2
9.75	1.8764199142 E 2	2.1613740355 E 2	2.4611335680 E 2	2.7769387807 E 2	3.1097237762 E 2
10.00	1.8922318322 E 2	2.1786754023 E 2	2.4796185768 E 2	2.7963651186 E 2	3.1299029193 E 2
11.00	1.9587122335 E 2	2.2516837047 E 2	2.5578376342 E 2	2.8787340370 E 2	3.2155874316 E 2
12.00	2.0300662400 E 2	2.3305180601 E 2	2.6426985903 E 2	2.9684147611 E 2	3.3091190531 E 2
13.00	2.1058758272 E 2	2.4147993512 E 2	2.7338881244 E 2	3.065179241 E 2	3.4103280893 E 2
14.00	2.1857106432 E 2	2.5041145718 E 2	2.8310458452 E 2	3.1687040767 E 2	3.5189987101 E 2
15.00	2.2691421489 E 2	2.5980283095 E 2	2.9337709632 E 2	3.2786846383 E 2	3.6348658234 E 2
16.00	2.3557564382 E 2	2.6960966683 E 2	3.0416322969 E 2	3.3947262804 E 2	3.7576144078 E 2
17.00	2.4451645120 E 2	2.7978807561 E 2	3.1541806503 E 2	3.5164087395 E 2	3.8868818869 E 2
18.00	2.5370093471 E 2	2.9022958687 E 2	3.2709621907 E 2	3.6432855041 E 2	4.0222638045 E 2
19.00	2.6309697718 E 2	3.0139300337 E 2	3.3915313442 E 2	3.7748963395 E 2	4.1633226055 E 2
20.00	2.7267615590 E 2	3.1214470387 E 2	3.5154619345 E 2	3.9107803130 E 2	4.3095988830 E 2

TABLE 9 - Prolate Eigenvalues  $\lambda_{8n}$

C	N=8	N=9	N=10	N=11	N=12
0.25	7.2003288985 E 1	9.0008927581 E 1	1.1001301396 E 2	1.3201607072 E 2	1.5601841737 E 2
0.50	7.2013150092 E 1	9.0035698451 E 1	1.1005204500 E 2	1.3206427450 E 2	1.5607346345 E 2
0.75	7.2029565613 E 1	9.0080277050 E 1	1.1011706049 E 2	1.3214458609 E 2	1.5616572011 E 2
1.00	7.2052507122 E 1	9.0142604713 E 1	1.1020800617 E 2	1.3225696341 E 2	1.5629455710 E 2
1.25	7.2081933687 E 1	9.022597437 E 1	1.1032480613 E 2	1.3240134747 E 2	1.5646013193 E 2
1.50	7.2117794181 E 1	9.0320152951 E 1	1.1046736293 E 2	1.3257766233 E 2	1.5666238978 E 2
1.75	7.2160026661 E 1	9.0435181942 E 1	1.1063555788 E 2	1.3278581501 E 2	1.5690126335 E 2
2.00	7.2206559022 E 1	9.0567415991 E 1	1.1082925092 E 2	1.3302569540 E 2	1.5717667267 E 2
2.25	7.2263309522 E 1	9.0716805262 E 1	1.1104828113 E 2	1.3329717621 E 2	1.5748852492 E 2
2.50	7.2324187358 E 1	9.0883119866 E 1	1.1129246685 E 2	1.3360011282 E 2	1.5783671420 E 2
2.75	7.2391093294 E 1	9.1066150780 E 1	1.1156160601 E 2	1.33933434326 E 2	1.5822112129 E 2
3.00	7.2463920334 E 1	9.1265670453 E 1	1.1185547651 E 2	1.3429968809 E 2	1.5864161340 E 2
3.25	7.2542554423 E 1	9.1481435877 E 1	1.1217383663 E 2	1.3469595035 E 2	1.5909804308 E 2
3.50	7.2626875173 E 1	9.1713185722 E 1	1.1251642551 E 2	1.3512291555 E 2	1.5959025198 E 2
3.75	7.2716756596 E 1	9.1960645523 E 1	1.1288293371 E 2	1.3558035162 E 2	1.6011806255 E 2
4.00	7.2812067858 E 1	9.2223526913 E 1	1.1327315380 E 2	1.3606800897 E 2	1.6068128577 E 2
4.25	7.2912674009 E 1	9.2501529285 E 1	1.1368668102 E 2	1.3658562955 E 2	1.6127971692 E 2
4.50	7.3018436721 E 1	9.2794341071 E 1	1.1412321405 E 2	1.3713290194 E 2	1.6191313608 E 2
4.75	7.3129214994 E 1	9.3101641045 E 1	1.1458240580 E 2	1.3770955156 E 2	1.6258130794 E 2
5.00	7.3244865849 E 1	9.34230399615 E 1	1.1506389423 E 2	1.3831525804 E 2	1.6328398162 E 2
5.25	7.3365244978 E 1	9.3758380118 E 1	1.1556730334 E 2	1.3894966455 E 2	1.6402089044 E 2
5.50	7.3490207377 E 1	9.4107140087 E 1	1.1609224409 E 2	1.3961244109 E 2	1.6479175184 E 2
5.75	7.3619607923 E 1	9.4469032502 E 1	1.1663831544 E 2	1.4030321297 E 2	1.6559426726 E 2
6.00	7.3753301924 E 1	9.4843707002 E 1	1.1720510542 E 2	1.4102159723 E 2	1.6643412214 E 2
6.25	7.3891145620 E 1	9.5230811054 E 1	1.1779219223 E 2	1.4177921960 E 2	1.6730498590 E 2
6.50	7.4032996638 E 1	9.5629991077 E 1	1.1839914538 E 2	1.4253959720 E 2	1.6820851249 E 2
6.75	7.4178214405 E 1	9.6040893513 E 1	1.1902552680 E 2	1.4333837505 E 2	1.6914433811 E 2
7.00	7.4328160519 E 1	9.6463165837 E 1	1.1967089200 E 2	1.44141309097 E 2	1.7011208648 E 2
7.25	7.4481190072 E 1	9.6896457505 E 1	1.2033479157 E 2	1.4501324433 E 2	1.7111343320 E 2
7.50	7.4637694929 E 1	9.73402420834 E 1	1.2101677159 E 2	1.4588852334 E 2	1.7214176094 E 2
7.75	7.4797523973 E 1	9.7794711821 E 1	1.2171637556 E 2	1.4678830591 E 2	1.7320285536 E 2
8.00	7.4960553302 E 1	9.8258990883 E 1	1.2243314513 E 2	1.4771216070 E 2	1.7429421053 E 2
8.25	7.5126661396 E 1	9.8732923533 E 1	1.2316662133 E 2	1.4865959802 E 2	1.7541537533 E 2
8.50	7.5295728248 E 1	9.9216180987 E 1	1.2391634559 E 2	1.4963012097 E 2	1.7656588601 E 2
8.75	7.5467637459 E 1	9.9708440696 E 1	1.2468186080 E 2	1.5062322641 E 2	1.7774524648 E 2
9.00	7.5642276310 E 1	1.0020938681 E 2	1.2546271229 E 2	1.5163840609 E 2	1.7895302905 E 2
9.25	7.5819535804 E 1	1.0071871060 E 2	1.2625844875 E 2	1.5267514771 E 2	1.8018867518 E 2
9.50	7.5999310684 E 1	1.0123611078 E 2	1.2706862314 E 2	1.5373293603 E 2	1.8145169637 E 2
9.75	7.6181499431 E 1	1.0176129378 E 2	1.2789279347 E 2	1.5481125391 E 2	1.8274157502 E 2
10.00	7.6366004242 E 1	1.0229397398 E 2	1.2873052359 E 2	1.5590958341 E 2	1.8405778537 E 2
11.00	7.7125355607 E 1	1.0444244090 E 2	1.3220855949 E 2	1.6049268803 E 2	1.8957519770 E 2
12.00	7.7914869247 E 1	1.0679375562 E 2	1.3587058832 E 2	1.6535501283 E 2	1.9547041049 E 2
13.00	7.8729928768 E 1	1.0917819017 E 2	1.3969264775 E 2	1.7046507427 E 2	2.0178803055 E 2
14.00	7.9566626697 E 1	1.116521705 E 2	1.4365328653 E 2	1.757933242 E 2	2.0825313506 E 2
15.00	8.0421838868 E 1	1.1415433067 E 2	1.4773360940 E 2	1.8131267454 E 2	2.1507215500 E 2
16.00	8.1292763910 E 1	1.1672663473 E 2	1.5191717940 E 2	1.8699867076 E 2	2.2213355333 E 2
17.00	8.2177193185 E 1	1.1934462385 E 2	1.5618982980 E 2	1.9282963707 E 2	2.2940831202 E 2
18.00	8.3073253100 E 1	1.2200197648 E 2	1.6053942917 E 2	1.9878653330 E 2	2.3687016435 E 2
19.00	8.3977375684 E 1	1.2469336833 E 2	1.6495563156 E 2	2.0485288487 E 2	2.44495567371 E 2
20.00	8.4894244352 E 1	1.2744430955 E 2	1.6942943305 E 2	2.11101435041 E 2	2.5226415950 E 2

TABLE 9a - Prolate Eigenvalues  $\lambda_{lm}$

C	N=13	N=14	N=15	N=16	N=17
0.25	1.8202025827 E 2	2.1002172916 E 2	2.4002292306 E 2	2.7202390546 E 2	3.0602472356 E 2
0.50	1.8208102899 E 2	2.1008691402 E 2	2.4009169049 E 2	2.7209562107 E 2	3.0609889404 E 2
0.75	1.8218229980 E 2	2.1019554660 E 2	2.4020629817 E 2	2.7221514449 E 2	3.0622251085 E 2
1.00	1.8232405004 E 2	2.1034761358 E 2	2.4036673758 E 2	2.7238247175 E 2	3.0639557285 E 2
1.25	1.8250625069 E 2	2.1054309617 E 2	2.4052997778 E 2	2.725979727 E 2	3.0661007846 E 2
1.50	1.8272886420 E 2	2.1078197009 E 2	2.4082506427 E 2	2.7286051371 E 2	3.0689002557 E 2
1.75	1.8299184438 E 2	2.1112291910 E 2	2.4112291910 E 2	2.7317121197 E 2	3.0721411144 E 2
2.00	1.8329513623 E 2	2.1138976607 E 2	2.4146654077 E 2	2.7352968100 E 2	3.0758223244 E 2
2.25	1.8363867565 E 2	2.1175861047 E 2	2.4185590401 E 2	2.7393359072 E 2	3.0800248493 E 2
2.50	1.8402238928 E 2	2.1217069041 E 2	2.4229097965 E 2	2.7438987687 E 2	3.0847216315 E 2
2.75	1.8444619420 E 2	2.1262595129 E 2	2.4277173436 E 2	2.7489157083 E 2	3.0899126112 E 2
3.00	1.8490999762 E 2	2.1312433175 E 2	2.4329813050 E 2	2.7544094944 E 2	3.0955977144 E 2
3.25	1.8541369657 E 2	2.1366576338 E 2	2.4387012580 E 2	2.7603804981 E 2	3.1017768537 E 2
3.50	1.8595717760 E 2	2.1425017036 E 2	2.4448767310 E 2	2.7668278607 E 2	3.1084499263 E 2
3.75	1.8654031637 E 2	2.1487746919 E 2	2.4515072010 E 2	2.7737514916 E 2	3.1156168123 E 2
4.00	1.8716297735 E 2	2.1548756828 E 2	2.4585920901 E 2	2.7811510656 E 2	3.1232773723 E 2
4.25	1.8782501339 E 2	2.1626036759 E 2	2.4661307621 E 2	2.7890262200 E 2	3.1314314456 E 2
4.50	1.8852626534 E 2	2.1701575825 E 2	2.4741225193 E 2	2.7973765520 E 2	3.1400788473 E 2
4.75	1.8926656173 E 2	2.1781362213 E 2	2.4825665988 E 2	2.8062016153 E 2	3.1492193664 E 2
5.00	1.9004571831 E 2	2.1865383145 E 2	2.4914621685 E 2	2.8155509171 E 2	3.1588527627 E 2
5.25	1.9086353771 E 2	2.1953624832 E 2	2.5009083231 E 2	2.8252739143 E 2	3.1689787639 E 2
5.50	1.9171980908 E 2	2.2046072436 E 2	2.510640802 E 2	2.8355200105 E 2	3.1795970633 E 2
5.75	1.926143073 E 2	2.2142710020 E 2	2.5208483759 E 2	2.8463828159 E 2	3.1907073159 E 2
6.00	1.9354679480 E 2	2.2243252051 E 2	2.5315400607 E 2	2.8574288233 E 2	3.2023091359 E 2
6.25	1.9451701694 E 2	2.2348485650 E 2	2.5426778949 E 2	2.8690900448 E 2	3.2144020927 E 2
6.50	1.9552470606 E 2	2.2457585959 E 2	2.5542605441 E 2	2.8812213672 E 2	3.2269857090 E 2
6.75	1.9656957908 E 2	2.2570800692 E 2	2.5662865749 E 2	2.89382218678 E 2	3.2400594520 E 2
7.00	1.9765133772 E 2	2.2688107796 E 2	2.5787544502 E 2	2.9068905466 E 2	3.2536227394 E 2
7.25	1.9876966834 E 2	2.2809483876 E 2	2.5916625250 E 2	2.9204263214 E 2	3.2676749261 E 2
7.50	1.9992424184 E 2	2.2934904156 E 2	2.6050090415 E 2	2.9344280237 E 2	3.2822153048 E 2
7.75	2.0111471357 E 2	2.30644342450 E 2	2.6187921251 E 2	2.9488943943 E 2	3.2972431013 E 2
8.00	2.0234072337 E 2	2.3197771126 E 2	2.6330097799 E 2	2.9638240787 E 2	3.3127574704 E 2
8.25	2.0360189560 E 2	2.3335161086 E 2	2.6476598846 E 2	2.9792156226 E 2	3.3287574914 E 2
8.50	2.0489783926 E 2	2.3476481736 E 2	2.6627401885 E 2	2.9950674675 E 2	3.3452421041 E 2
8.75	2.0622814816 E 2	2.3621700972 E 2	2.6782483076 E 2	3.0113779462 E 2	3.3622104048 E 2
9.00	2.0759240117 E 2	2.3770785168 E 2	2.6941817211 E 2	3.0281452784 E 2	3.3796610413 E 2
9.25	2.0899016258 E 2	2.3923699158 E 2	2.7105377679 E 2	3.0453675667 E 2	3.3975928069 E 2
9.50	2.1042098238 E 2	2.4080406242 E 2	2.7273156439 E 2	3.0630427918 E 2	3.4160043463 E 2
9.75	2.1188439682 E 2	2.4240868182 E 2	2.7445063989 E 2	3.0811688090 E 2	3.4348941904 E 2
10.00	2.1337992886 E 2	2.4405045211 E 2	2.7621129347 E 2	3.0997433440 E 2	3.4542607735 E 2
11.00	2.1967326127 E 2	2.5098056293 E 2	2.8366096337 E 2	3.1784764424 E 2	3.5364591908 E 2
12.00	2.2643930350 E 2	2.5846944545 E 2	2.9174394959 E 2	3.2641679039 E 2	3.6261296587 E 2
13.00	2.3364269407 E 2	2.6648493605 E 2	3.0043314473 E 2	3.3566034546 E 2	3.7231123972 E 2
14.00	2.4124675002 E 2	2.7499205556 E 2	3.098776965 E 2	3.4555299732 E 2	3.8272112634 E 2
15.00	2.4921446884 E 2	2.8395382092 E 2	3.1981471140 E 2	3.56050581615 E 2	3.9381917460 E 2
16.00	2.5750949155 E 2	2.9333218441 E 2	3.2981471140 E 2	3.6716554487 E 2	4.0557805984 E 2
17.00	2.6609693566 E 2	3.030890723 E 2	3.4059215396 E 2	3.7881717810 E 2	4.1796674474 E 2
18.00	2.7494404225 E 2	3.118697501 E 2	3.5179704595 E 2	3.9098251103 E 2	4.3095085400 E 2
19.00	2.8402061393 E 2	3.2359037931 E 2	3.6339043401 E 2	4.0362217424 E 2	4.4449325442 E 2
20.00	2.9329925147 E 2	3.3426571767 E 2	3.7533437593 E 2	4.1669625707 E 2	4.5855480545 E 2



TABLE 10 - Prolate Eigenvalues

C	N=9	N=10	N=11	N=12	N=13
0.25	9.0002975823 E 1	1.1000815140 E 2	1.3201202306 E 2	1.5601499535 E 2	1.8201732711 E 2
0.50	9.001189898 E 1	1.1003259637 E 2	1.3204808325 E 2	1.5605997406 E 2	1.8206930284 E 2
0.75	9.0026756062 E 1	1.1007330723 E 2	1.3210815363 E 2	1.5613491398 E 2	1.8215591030 E 2
1.00	9.0047523474 E 1	1.1013023799 E 2	1.3219218932 E 2	1.5623977822 E 2	1.8227712134 E 2
1.25	9.0074176752 E 1	1.1020033245 E 2	1.3230012762 E 2	1.5637451514 E 2	1.8243289644 E 2
1.50	9.0106677166 E 1	1.1029248497 E 2	1.3243188807 E 2	1.5653905827 E 2	1.8262314474 E 2
1.75	9.0144961883 E 1	1.1039761987 E 2	1.3258737260 E 2	1.5673332638 E 2	1.8284792386 E 2
2.00	9.0188994260 E 1	1.1051861282 E 2	1.3276646569 E 2	1.5695722339 E 2	1.8310703980 E 2
2.25	9.0238706175 E 1	1.1065533087 E 2	1.3296903459 E 2	1.5721063842 E 2	1.8340044720 E 2
2.50	9.0294028404 E 1	1.1080762511 E 2	1.3319492951 E 2	1.5749344573 E 2	1.8372804840 E 2
2.75	9.0354885032 E 1	1.1097533132 E 2	1.3344398395 E 2	1.5780550475 E 2	1.8408973417 E 2
3.00	9.0421193891 E 1	1.1115827065 E 2	1.3371601495 E 2	1.5814666009 E 2	1.8448538312 E 2
3.25	9.0492867023 E 1	1.1135625036 E 2	1.3401082350 E 2	1.5851674156 E 2	1.8491486165 E 2
3.50	9.0569811166 E 1	1.1156906462 E 2	1.3432819489 E 2	1.5891556422 E 2	1.8537802385 E 2
3.75	9.0651928251 E 1	1.1179649534 E 2	1.3466789914 E 2	1.5934292842 E 2	1.8587471131 E 2
4.00	9.0739115910 E 1	1.1203831300 E 2	1.3502969152 E 2	1.5979861994 E 2	1.8640475299 E 2
4.25	9.0831267984 E 1	1.1229427759 E 2	1.3541331302 E 2	1.6028241004 E 2	1.8696796515 E 2
4.50	9.0928275033 E 1	1.1256413948 E 2	1.3581849094 E 2	1.6079405568 E 2	1.8756415116 E 2
4.75	9.1030024844 E 1	1.1284764036 E 2	1.3624493949 E 2	1.6133329963 E 2	1.8819310145 E 2
5.00	9.1136402919 E 1	1.1314451418 E 2	1.3669236042 E 2	1.6189998707 E 2	1.8885459341 E 2
5.25	9.1247292962 E 1	1.1345448606 E 2	1.3716044372 E 2	1.6249348424 E 2	1.8954839134 E 2
5.50	9.136257737 E 1	1.1377720325 E 2	1.3764886832 E 2	1.6311384184 E 2	1.9027424641 E 2
5.75	9.1482147516 E 1	1.1411261602 E 2	1.3815730285 E 2	1.6376063232 E 2	1.9103189664 E 2
6.00	9.1605854498 E 1	1.1446019858 E 2	1.3868540639 E 2	1.6443353176 E 2	1.9182106697 E 2
6.25	9.1733609209 E 1	1.1481973996 E 2	1.3923282934 E 2	1.6513220399 E 2	1.9264146925 E 2
6.50	9.1865282870 E 1	1.1519094687 E 2	1.3979921415 E 2	1.6585630109 E 2	1.9349280242 E 2
6.75	9.2000757343 E 1	1.1557352450 E 2	1.4038419626 E 2	1.6660546387 E 2	1.9437475259 E 2
7.00	9.2139915449 E 1	1.1596717336 E 2	1.4098740486 E 2	1.6737932242 E 2	1.9528699320 E 2
7.25	9.2282641253 E 1	1.1637160997 E 2	1.4160846382 E 2	1.6817749673 E 2	1.9622918531 E 2
7.50	9.2428820329 E 1	1.1678652770 E 2	1.4224699253 E 2	1.6899959730 E 2	1.9720097781 E 2
7.75	9.2578339991 E 1	1.1721163724 E 2	1.4292606673 E 2	1.6984522578 E 2	1.9820200772 E 2
8.00	9.2731089498 E 1	1.176464743 E 2	1.4357491939 E 2	1.7071397573 E 2	1.99233190058 E 2
8.25	9.2886960236 E 1	1.1809126975 E 2	1.4426354154 E 2	1.7160543325 E 2	2.0029027083 E 2
8.50	9.3045845672 E 1	1.1854521885 E 2	1.4496808309 E 2	1.7251917781 E 2	2.0137672223 E 2
8.75	9.3207642485 E 1	1.1900821310 E 2	1.4568815362 E 2	1.7345470297 E 2	2.0249084838 E 2
9.00	9.3372246676 E 1	1.1947997497 E 2	1.4642336316 E 2	1.7441181717 E 2	2.0363223321 E 2
9.25	9.3539565650 E 1	1.1996023148 E 2	1.4717332292 E 2	1.7538984452 E 2	2.0480045156 E 2
9.50	9.3709497292 E 1	1.2044871455 E 2	1.4793764601 E 2	1.7638842558 E 2	2.0599506978 E 2
9.75	9.3881950208 E 1	1.2094516128 E 2	1.4871594811 E 2	1.7740711820 E 2	2.0721564634 E 2
10.00	9.4056833764 E 1	1.2144931426 E 2	1.4950784811 E 2	1.7844547827 E 2	2.0846173251 E 2
11.00	9.4778958811 E 1	1.2353804379 E 2	1.5280394904 E 2	1.8278668627 E 2	2.1369198583 E 2
12.00	9.5533441438 E 1	1.2573102800 E 2	1.5628832856 E 2	1.8740705796 E 2	2.1929310572 E 2
13.00	9.6315782147 E 1	1.2801473117 E 2	1.5993919458 E 2	1.9227882754 E 2	2.2523448178 E 2
14.00	9.7122112896 E 1	1.3037721824 E 2	1.6373658812 E 2	1.9737545408 E 2	2.3148553653 E 2
15.00	9.7949150475 E 1	1.3280807788 E 2	1.6766251932 E 2	2.0267207732 E 2	2.3801642033 E 2
16.00	9.8794025348 E 1	1.3529829885 E 2	1.7170098111 E 2	2.0814581467 E 2	2.4479859494 E 2
17.00	9.9654412573 E 1	1.3784012365 E 2	1.7583787396 E 2	2.1377591138 E 2	2.5180327593 E 2
18.00	1.0026826841 E 2	1.4052828950 E 2	1.8006087306 E 2	2.1934376877 E 2	2.5901172607 E 2
19.00	1.0141387421 E 2	1.4305291678 E 2	1.8435926391 E 2	2.2543288034 E 2	2.6639540923 E 2
20.00	1.0230976792 E 2	1.4571330397 E 2	1.8872376607 E 2	2.3142870514 E 2	2.7393602643 E 2

TABLE 10a - P-value Eigenvalues  $\lambda_{gh}$

C	N=14	N=15	N=16	N=17	N=18
0.25	2.1001919022 E 2	2.4020702047 E 2	2.7202194684 E 2	3.0602298311 E 2	3.4202365525 E 2
0.50	2.1007675678 E 2	2.4008280704 E 2	2.7208778546 E 2	3.0609193126 E 2	3.4209542039 E 2
0.75	2.1017268738 E 2	2.4018630508 E 2	2.7219751011 E 2	3.0620684088 E 2	3.4221469350 E 2
1.00	2.1030696149 E 2	2.4033118219 E 2	2.7235111117 E 2	3.0636770601 E 2	3.4238167136 E 2
1.25	2.1047955026 E 2	2.4051741816 E 2	2.7254857511 E 2	3.0657451824 E 2	3.4259634944 E 2
1.50	2.1069041649 E 2	2.4074498865 E 2	2.7278988445 E 2	3.0682726666 E 2	3.4285872182 E 2
1.75	2.1093951152 E 2	2.4101385613 E 2	2.7307501762 E 2	3.0712593783 E 2	3.4316878117 E 2
2.00	2.1127679009 E 2	2.4132398778 E 2	2.7340394892 E 2	3.0747051564 E 2	3.4352651866 E 2
2.25	2.1155218022 E 2	2.4167553732 E 2	2.7377664837 E 2	3.0786098124 E 2	3.4393192388 E 2
2.50	2.1191561307 E 2	2.4206785386 E 2	2.7419308160 E 2	3.0829731293 E 2	3.4438498475 E 2
3.00	2.1231700775 E 2	2.4250147999 E 2	2.7465320968 E 2	3.0877948603 E 2	3.4488568744 E 2
3.25	2.1275627414 E 2	2.4297615153 E 2	2.7515698894 E 2	3.0930747274 E 2	3.4543401621 E 2
3.50	2.1323331270 E 2	2.4349179734 E 2	2.7570437085 E 2	3.0988124198 E 2	3.4602995330 E 2
3.75	2.1374801425 E 2	2.4404833913 E 2	2.7629530174 E 2	3.1050075923 E 2	3.4667347881 E 2
4.00	2.143025974 E 2	2.4464569122 E 2	2.7692972266 E 2	3.1116598633 E 2	3.4736457053 E 2
4.25	2.1488992007 E 2	2.4528376028 E 2	2.7760756909 E 2	3.1187688131 E 2	3.4810320377 E 2
4.50	2.1551685581 E 2	2.4596244507 E 2	2.7832877078 E 2	3.1263339816 E 2	3.4888935119 E 2
4.75	2.1618091697 E 2	2.4668163623 E 2	2.7909325141 E 2	3.1343548862 E 2	3.4972298263 E 2
5.00	2.1688194281 E 2	2.4744121594 E 2	2.7990092284 E 2	3.1428309194 E 2	3.5060406490 E 2
	2.1761976155 E 2	2.4824105767 E 2	2.807171260 E 2	3.1517615465 E 2	3.5153256155 E 2
5.25	2.1839419021 E 2	2.4908102591 E 2	2.8164555080 E 2	3.1611461029 E 2	3.5250843270 E 2
5.50	2.1921503433 E 2	2.4996097586 E 2	2.8258221149 E 2	3.1709838915 E 2	3.5353163478 E 2
5.75	2.2005208760 E 2	2.5088075317 E 2	2.8356171249 E 2	3.1812741602 E 2	3.5460212029 E 2
6.00	2.2093513267 E 2	2.518419364 E 2	2.8458389271 E 2	3.1920160985 E 2	3.5571983757 E 2
6.25	2.2185393897 E 2	2.5281912292 E 2	2.8564482581 E 2	3.2032088351 E 2	3.5688473053 E 2
6.50	2.2280826457 E 2	2.5387735627 E 2	2.8675577709 E 2	3.2148514349 E 2	3.5809673638 E 2
6.75	2.2379785502 E 2	2.5495469829 E 2	2.8790520321 E 2	3.2269428957 E 2	3.5935579538 E 2
7.00	2.2482244348 E 2	2.5607094264 E 2	2.8909675184 E 2	3.2394821451 E 2	3.6066183054 E 2
7.25	2.2588175064 E 2	2.5722587183 E 2	2.9033026137 E 2	3.2524680376 E 2	3.6201476731 E 2
7.50	2.2697548466 E 2	2.5841925696 E 2	2.9160556061 E 2	3.2658993513 E 2	3.6341452335 E 2
7.75	2.2810334120 E 2	2.5965085756 E 2	2.9292246848 E 2	3.2797747849 E 2	3.6476101017 E 2
8.00	2.2926500340 E 2	2.6092042137 E 2	2.9428079374 E 2	3.2940929540 E 2	3.6615413283 E 2
8.25	2.3046014199 E 2	2.6222768419 E 2	2.9568033470 E 2	3.3088523885 E 2	3.6759378967 E 2
8.50	2.3168841538 E 2	2.6357236976 E 2	2.9712087893 E 2	3.3240515293 E 2	3.6917987195 E 2
8.75	2.3294946982 E 2	2.6495418962 E 2	2.9860220308 E 2	3.3396887249 E 2	3.7111226359 E 2
9.00	2.3424293957 E 2	2.6637284309 E 2	3.0012407254 E 2	3.3556822287 E 2	3.7279084077 E 2
9.25	2.3556844715 E 2	2.6782801715 E 2	3.0168624132 E 2	3.3722701959 E 2	3.7451547171 E 2
9.50	2.3692560365 E 2	2.6931938654 E 2	3.0328845180 E 2	3.3892106804 E 2	3.7628601628 E 2
9.75	2.3831400900 E 2	2.7084661369 E 2	3.0493043457 E 2	3.4065816324 E 2	3.7810232573 E 2
10.00	2.3973325237 E 2	2.7240934885 E 2	3.0661140831 E 2	3.4243808954 E 2	3.7996424235 E 2
11.00	2.4571003681 E 2	2.7900795495 E 2	3.1372666281 E 2	3.4998140643 E 2	3.8786449645 E 2
12.00	2.5214467785 E 2	2.8614364452 E 2	3.2144761046 E 2	3.5818984454 E 2	3.9647932202 E 2
13.00	2.5900740296 E 2	2.936844937 E 2	3.2975093681 E 2	3.6704405245 E 2	4.0579371996 E 2
14.00	2.6626595196 E 2	3.0191283678 E 2	3.3860988794 E 2	3.7652158050 E 2	4.1578975416 E 2
15.00	2.7388830664 E 2	3.1044431811 E 2	3.4799508049 E 2	3.8659693756 E 2	4.2644641963 E 2
16.00	2.8184241660 E 2	3.1947059706 E 2	3.5787496350 E 2	3.9724179695 E 2	4.3773962410 E 2
17.00	2.9009706233 E 2	3.2883678605 E 2	3.6821640474 E 2	4.0842535396 E 2	4.4964230385 E 2
18.00	2.9862241047 E 2	3.3855130396 E 2	3.7998535796 E 2	4.2011482064 E 2	4.6212468382 E 2
19.00	3.0739043527 E 2	3.4858150660 E 2	3.9301475579 E 2	4.3227602701 E 2	4.7515467885 E 2
20.00	3.1637519936 E 2	3.5889671056 E 2	4.066919099 E 2	4.4487408491 E 2	4.8869841677 E 2

TABLE 11 - Oblate Eigenvalues

C	N=0	N=1	N=2	N=3	N=4
0.25	-2.0891318316 E -2	1.9624732292 E 0	5.9673016695 E 0	1.1968068408 E 1	1.9968351088 E 1
0.50	-8.426652419 E -2	1.8493723909 E 0	5.806893810 E 0	1.1872127166 E 1	1.9873487482 E 1
0.75	-1.9226970680 E -1	1.6603414596 E 0	5.706518760 E 0	1.1713531429 E 1	1.9715658145 E 1
1.00	-3.4860239947 E -1	1.3932063104 E 0	5.4868000538 E 0	1.1492120902 E 1	1.9495276746 E 1
1.25	-5.5869225786 E -1	1.0460060463 E 0	5.2080368371 E 0	1.1209188986 E 1	1.9212920366 E 1
1.50	-8.2986516631 E -1	6.1604117329 E -1	4.8777301813 E 0	1.0865935159 E 1	1.8869328923 E 1
1.75	-1.1714254224 E 0	1.0574156184 E -1	4.5021918253 E 0	1.0463697551 E 1	1.8465406764 E 1
2.00	-1.5944932131 E 0	-5.0524398088 E -1	4.091501021 E 0	1.0003863804 E 1	1.800228462 E 1
2.25	-2.114282215 E 0	-1.2039370870 E 0	3.6525557926 E 0	9.4877607741 E 0	1.7481051583 E 1
2.50	-2.7347598255 E 0	-1.9999021560 E 0	3.1958978375 E 0	8.9165271060 E 0	1.6903340004 E 1
2.75	-3.4757829933 E 0	-2.8971094906 E 0	2.7273555675 E 0	8.2909767965 E 0	1.6270802136 E 1
3.00	-4.3432927052 E 0	-3.8994002906 E 0	2.2512692105 E 0	7.6114652113 E 0	1.5585486994 E 1
3.25	-5.3429251482 E 0	-5.0103659204 E 0	1.7677657660 E 0	6.877707300 E 0	1.4849677130 E 1
3.50	-6.4773313029 E 0	-6.2332526579 E 0	1.2732136712 E 0	6.0890043286 E 0	1.40666380370 E 1
3.75	-7.7469256119 E 0	-7.5709994133 E 0	7.6082789323 E -1	5.2435561066 E 0	1.3239091100 E 1
4.00	-9.1507935808 E 0	-9.0257166732 E 0	2.2140790999 E -1	4.3390829296 E 0	1.2372144801 E 1
4.25	-1.0687440848 E 1	-1.05998661660 E 1	-3.5608771113 E -1	3.3725364164 E 0	1.1470848397 E 1
4.50	-1.235279316 E 1	-1.2294328785 E 1	-9.849868986 E -1	2.340256932 E 0	1.0541611398 E 1
4.75	-1.4152875017 E 1	-1.4110936603 E 1	-1.6767511402 E 0	1.2379152734 E 0	9.5919690060 E 0
5.00	-1.6079042745 E 1	-1.6050412678 E 1	-2.4485989033 E 0	6.092982157 E -2	8.6303959352 E 0
5.25	-1.8132853675 E 1	-1.813443262 E 1	-3.3151397601 E 0	-1.1957055526 E 0	7.668008079 E 0
5.50	-2.0313604622 E 1	-2.0313604930 E 1	-4.2915003288 E 0	-2.5371323892 E 0	6.7066393512 E 0
5.75	-2.2620775361 E 1	-2.2612009414 E 1	-5.3914364686 E 0	-3.9685162877 E 0	5.7597165213 E 0
6.00	-2.5053986904 E 1	-2.5048140615 E 1	-6.6261917763 E 0	-5.4949108549 E 0	4.8289294144 E 0
6.25	-2.7612965874 E 1	-2.7609083956 E 1	-8.0030776225 E 0	-7.1211328413 E 0	3.9143160717 E 0
6.50	-3.0297516180 E 1	-3.0294948904 E 1	-9.5282616318 E 0	-8.8516559711 E 0	3.0116959841 E 0
6.75	-3.3107497438 E 1	-3.3105805789 E 1	-1.1201195021 E 1	-1.0690529355 E 0	2.1129328689 E 0
7.00	-3.6042309006 E 1	-3.6041698066 E 1	-1.3021451097 E 1	-1.2641324353 E 1	1.2065976598 E 0
7.25	-3.9103378406 E 1	-3.9102651078 E 1	-1.4986654758 E 1	-1.4707110914 E 1	2.787274187 E -1
7.50	-4.2289153034 E 1	-4.2288678211 E 1	-1.7093862905 E 1	-1.6890461403 E 1	-6.8652268802 E -1
7.75	-4.5600094299 E 1	-4.5599785138 E 1	-1.9340098854 E 1	-1.9193477365 E 1	-1.7063854391 E 0
8.00	-4.9036173505 E 1	-4.9035972702 E 1	-2.1722653495 E 1	-2.1617833094 E 1	-2.7990336507 E 0
8.25	-5.2597368970 E 1	-5.2597238845 E 1	-2.423214405 E 1	-2.4164829358 E 1	-3.983038776 E 0
8.50	-5.6283664714 E 1	-5.6283579871 E 1	-2.6887888373 E 1	-2.6855451183 E 1	-5.2766309372 E 0
8.75	-6.0095045564 E 1	-6.0094991262 E 1	-2.9667167984 E 1	-2.9630424729 E 1	-6.6966304163 E 0
9.00	-6.4031503170 E 1	-6.4031468193 E 1	-3.2575875082 E 1	-3.2550269798 E 1	-8.2573627437 E 0
9.25	-6.8093028326 E 1	-6.8093005837 E 1	-3.563309748 E 1	-3.5593545929 E 1	-9.9966586513 E 0
9.50	-7.2279613985 E 1	-7.2279599548 E 1	-3.8778143999 E 1	-3.8765891229 E 1	-1.1840351979 E 1
9.75	-7.6591254212 E 1	-7.6591244959 E 1	-4.2070473864 E 1	-4.2062053986 E 1	-1.3872801468 E 1
10.00	-8.1027943944 E 1	-8.1027938023 E 1	-4.5489680497 E 1	-4.5483917646 E 1	-1.6065564650 E 1
11.00	-1.0002511821 E 2	-1.0002511723 E 2	-6.0429952659 E 1	-6.0428731648 E 1	-2.6385536020 E 1
12.00	-1.2102281507 E 2	-1.2102281491 E 2	-7.7384440820 E 1	-7.7384193967 E 1	-3.9000789803 E 1
13.00	-1.4402090346 E 2	-1.4402090304 E 2	-9.6348026073 E 1	-9.6347978012 E 1	-5.3751702854 E 1
14.00	-1.6901928328 E 2	-1.6901928327 E 2	-1.1731805661 E 2	-1.1731804754 E 2	-7.0569039188 E 1
15.00	-1.9601789899 E 2	-1.9601789899 E 2	-1.4029290832 E 2	-1.4029290665 E 2	-8.9424827485 E 1
16.00	-2.2501670056 E 2	-2.2501670056 E 2	-1.6527148562 E 2	-1.6527148532 E 2	-1.1030637026 E 2
17.00	-2.5631565284 E 2	-2.5631565284 E 2	-1.9225300902 E 2	-1.9225300897 E 2	-1.3320375693 E 2
18.00	-2.8931472902 E 2	-2.8931472902 E 2	-2.2123690499 E 2	-2.2123690498 E 2	-1.5812161774 E 2
19.00	-3.2401390833 E 2	-3.2401390833 E 2	-2.522274102 E 2	-2.522274102 E 2	-1.8504792550 E 2
20.00	-3.6101317439 E 2	-3.6101317439 E 2	-2.8521018442 E 2	-2.8521018442 E 2	-2.1398347256 E 2

TABLE 11c - Oblate Eigenvalues  $\lambda_{0N}$

C	N=5	N=6	N=7	N=8	N=9
0.25	2.9968487319 E 1	4.1968563681 E 1	5.5968610870 E 1	7.1968642101 E 1	8.9968663856 E 1
0.50	2.9874002224 E 1	4.1874029163 E 1	5.5874470756 E 1	7.1874589419 E 1	8.987467124 E 1
0.75	2.9716703458 E 1	4.1717294542 E 1	5.5717661471 E 1	7.1717904980 E 1	8.9718074897 E 1
1.00	2.9496855283 E 1	4.1497756789 E 1	5.5498319332 E 1	7.1498693818 E 1	8.9498955653 E 1
1.25	2.9214827070 E 1	4.1215936314 E 1	5.5216635109 E 1	7.1217102942 E 1	8.9217431249 E 1
1.50	2.8871092833 E 1	4.0872164465 E 1	5.4872853959 E 1	7.0873321315 E 1	8.8873651899 E 1
1.75	2.8466230771 E 1	4.0466845851 E 1	5.4467275373 E 1	7.0467579820 E 1	8.8467801168 E 1
2.00	2.8000922891 E 1	4.0000458243 E 1	5.4000253125 E 1	7.0000151246 E 1	8.8000095954 E 1
2.25	2.7475954714 E 1	3.9473552573 E 1	5.3472195263 E 1	6.9471350273 E 1	8.7470786490 E 1
2.50	2.6892214972 E 1	3.8886755083 E 1	5.2883564148 E 1	6.8881533492 E 1	8.6880156345 E 1
2.75	2.6250695039 E 1	3.8240757708 E 1	5.2234876567 E 1	6.8231099447 E 1	8.6228522447 E 1
3.00	2.5552487636 E 1	3.7536338790 E 1	5.1526703940 E 1	6.7520488727 E 1	8.5516235125 E 1
3.25	2.4798784017 E 1	3.6774344270 E 1	5.0759672662 E 1	6.6750184110 E 1	8.4743678178 E 1
3.50	2.3990868497 E 1	3.5955699569 E 1	4.9934464578 E 1	6.5920710779 E 1	8.3911268979 E 1
3.75	2.3130108774 E 1	3.5081410466 E 1	4.9051817650 E 1	6.5032636619 E 1	8.3019458616 E 1
4.00	2.2217940087 E 1	3.4152567410 E 1	4.8112526803 E 1	6.4086572621 E 1	8.2068732085 E 1
4.25	2.1255843956 E 1	3.3170351943 E 1	4.7117444991 E 1	6.3083173406 E 1	8.1059608543 E 1
4.50	2.0245298150 E 1	3.2136046116 E 1	4.6067484450 E 1	6.2023137898 E 1	7.9992641621 E 1
4.75	1.9187758760 E 1	3.1051046189 E 1	4.4963618110 E 1	6.0967210170 E 1	7.8868419824 E 1
5.00	1.8084568015 E 1	2.9916882304 E 1	4.3806881081 E 1	5.9736180508 E 1	7.7687567014 E 1
5.25	1.6936892755 E 1	2.8735246309 E 1	4.2598372050 E 1	5.8510886734 E 1	7.6450742999 E 1
5.50	1.5745632354 E 1	2.7508030487 E 1	4.1339254321 E 1	5.7232215856 E 1	7.5158644236 E 1
5.75	1.4511321135 E 1	2.6237370382 E 1	4.0030756119 E 1	5.5901106143 E 1	7.3812004663 E 1
6.00	1.3234029453 E 1	2.4925765230 E 1	3.8674169568 E 1	5.4518549746 E 1	7.2411596673 E 1
6.25	1.1913265116 E 1	2.3576069261 E 1	3.7270847560 E 1	5.3085596056 E 1	7.0958232250 E 1
6.50	1.0547903242 E 1	2.2191705887 E 1	3.5822197479 E 1	5.1603356055 E 1	6.9452764266 E 1
6.75	9.1361208149 E 0	2.0776753707 E 1	3.4329670479 E 1	5.0073008021 E 1	6.7896087952 E 1
7.00	7.6753746274 E 0	1.9336106995 E 1	3.2794744760 E 1	4.8495805109 E 1	6.6289142538 E 1
7.25	6.1624070893 E 0	1.7875622357 E 1	3.1218901286 E 1	4.6873085485 E 1	6.4632913037 E 1
7.50	4.5932869936 E 0	1.64022225913 E 1	2.9603589818 E 1	4.5206285963 E 1	6.2928432141 E 1
7.75	2.9634820413 E 0	1.4923922041 E 1	2.7950184401 E 1	4.3496960377 E 1	6.1176782137 E 1
8.00	1.2679585983 E 0	1.3449620454 E 1	2.6259926825 E 1	4.1746804278 E 1	5.9379096725 E 1
8.25	-4.9869731139 E -1	1.1988687478 E 1	2.4533858145 E 1	3.9957687958 E 1	5.7536562525 E 1
8.50	-2.3421445851 E 0	1.0550154344 E 1	2.2727273966 E 1	3.8131700201 E 1	5.5650419998 E 1
8.75	-4.2681443929 E 0	9.1416034863 E 0	2.0976966114 E 1	3.6271205526 E 1	5.3721963357 E 1
9.00	-6.2824176625 E 0	7.7678965299 E 0	1.9146475607 E 1	3.4378917804 E 1	5.1752538902 E 1
9.25	-8.3905100267 E 0	6.4300395019 E 0	1.7280662567 E 1	3.2457992838 E 1	4.9743541052 E 1
9.50	-1.0597671209 E 1	5.1244986621 E 0	1.5378300659 E 1	3.0512141250 E 1	4.7696405134 E 1
9.75	-1.2908754971 E 1	3.8431332134 E 0	1.3437483114 E 1	2.8545760255 E 1	4.5612595800 E 1
10.00	-1.5328144254 E 1	2.5736749173 E 0	1.1455587008 E 1	2.6564077472 E 1	4.34935589762 E 1
11.00	-2.6158058677 E 1	-2.7307263363 E 0	3.0401855245 E 0	1.8624373312 E 1	3.4693942403 E 1
12.00	-3.8938679469 E 1	-9.3781284604 E 0	-6.4069911453 E 0	1.1091972537 E 1	2.5427764843 E 1
13.00	-5.3736112660 E 1	-1.8466117432 E 1	-1.726749804 E 1	4.2173683728 E 0	1.5693889673 E 1
14.00	-7.0565366175 E 1	-3.0273414451 E 1	-2.9872647621 E 1	-2.2786299102 E 0	5.344390716 E 0
15.00	-8.9424004599 E 1	-4.4424895230 E 1	-4.4426343976 E 1	-1.0056836303 E 0	-5.9352246795 E 0
16.00	-1.1030619336 E 2	-6.1049249329 E 1	-6.1017033618 E 1	-2.0319285538 E 1	-1.8550162279 E 1
17.00	-1.3320672020 E 2	-7.9674609490 E 1	-7.9666400482 E 1	-3.3499347800 E 1	-3.2868579465 E 1
18.00	-1.5812161034 E 2	-1.0037252123 E 2	-1.0037053467 E 2	-4.9331418830 E 1	-4.9132754815 E 1
19.00	-1.8504792404 E 2	-1.2312010997 E 2	-1.2311964939 E 2	-6.7512580983 E 1	-6.7455136080 E 1
20.00	-2.1598347228 E 2	-1.4790470087 E 2	-1.4790459791 E 2	-8.7881968830 E 1	-8.7866399820 E 1

TABLE 12 - Oblate Eigenvalues  $\lambda_{11}$

C	N=1	N=2	N=3	N=4	N=5
0.25	1.9874821130 E 0	5.9731990975 E 0	1.1970386693 E 1	1.9969972185 E 1	2.99699554757 E 1
0.50	1.9497123727 E 0	5.8926139653 E 0	1.1883420486 E 1	1.9879944723 E 1	2.9870260768 E 1
0.75	1.8860316656 E 0	5.7576961053 E 0	1.1737953076 E 1	1.9730086675 E 1	2.9726243520 E 1
1.00	1.7953045872 E 0	5.5675274538 E 0	1.1534818451 E 1	1.9520683337 E 1	2.9513713058 E 1
1.25	1.6758619611 E 0	5.3208151714 E 0	1.1274428818 E 1	1.9252140890 E 1	2.9240965295 E 1
1.50	1.5254163140 E 0	5.0158856652 E 0	1.0958308981 E 1	1.8924991602 E 1	2.8908383823 E 1
1.75	1.3409470956 E 0	4.6506792491 E 0	1.0587208393 E 1	1.8539898156 E 1	2.8516442197 E 1
2.00	1.1185533907 E 0	4.2227473333 E 0	1.0163245057 E 1	1.8097655230 E 1	2.8065706775 E 1
2.25	8.532757748 E -1	3.7292545373 E 0	9.6890796641 E 0	1.7599185905 E 1	2.7556840252 E 1
2.50	5.3889619112 E -1	3.1669885590 E 0	9.1683093679 E 0	1.7045530081 E 1	2.6990606224 E 1
2.75	1.6774727170 E -1	2.5323808951 E 0	8.6056533361 E 0	1.6437821771 E 1	2.6367875351 E 1
3.00	-2.6942080483 E -1	1.8215414358 E 0	8.0070741525 E 0	1.5777252264 E 1	2.5689634022 E 1
3.25	-7.8341833754 E -1	1.0503093678 E 0	7.3797430352 E 0	1.5065016746 E 1	2.4956996857 E 1
3.50	-1.3863251847 E 0	1.5432156541 E -1	6.7317289981 E 0	1.4302243244 E 1	2.4171224920 E 1
3.75	-2.0908293051 E 0	-8.10920231123 E -1	6.0713092073 E 0	1.3489904818 E 1	2.3333752118 E 1
4.00	-2.9092007591 E 0	-1.8698612984 E 0	5.4059031445 E 0	1.2628718521 E 1	2.2446222926 E 1
4.25	-3.8520979673 E 0	-3.026971304 E 0	4.7408235827 E 0	1.1719037438 E 1	2.1510545154 E 1
4.50	-4.9275719788 E 0	-4.284388074 E 0	4.0782059952 E 0	1.0760744524 E 1	2.0528967613 E 1
4.75	-6.1406187400 E 0	-5.6522072788 E 0	3.4164625408 E 0	9.7531581803 E 0	1.9504144772 E 1
5.00	-7.4933388284 E 0	-7.1278375187 E 0	2.7503672147 E 0	8.6949592544 E 0	1.8439715766 E 1
5.25	-8.9858649006 E 0	-8.7147876833 E 0	2.0715876890 E 0	7.5841472037 E 0	1.7334386608 E 1
5.50	-1.06169496375 E 0	-1.0420827018 E 0	1.3693509878 E 0	6.4180300025 E 0	1.6206115604 E 1
5.75	-1.2383913460 E 1	-1.2233150186 E 1	5.3100450505 E -1	5.1932488347 E 0	1.5048253007 E 1
6.00	-1.4285427851 E 1	-1.4185268006 E 1	-1.0758262304 E -1	3.9058354012 E 0	1.3871633152 E 1
6.25	-1.6319314019 E 1	-1.6298704063 E 1	-1.0117457047 E 0	2.5512973837 E 0	1.2684142969 E 1
6.50	-1.8433932048 E 1	-1.8434533159 E 1	-1.07476594159 E 0	1.1247263194 E 0	1.1494473448 E 1
6.75	-2.077953440 E 1	-2.073634551 E 1	-2.9817983644 E 0	-3.7907839145 E -1	1.0311560698 E 1
7.00	-2.3200337057 E 1	-2.3176643815 E 1	-4.1300962635 E 0	-1.9654758052 E 0	9.1436760166 E 0
7.25	-2.5750285006 E 1	-2.574020074 E 1	-5.4068723044 E 0	-3.639846956 E 0	7.9972463305 E 0
7.50	-2.8427194883 E 1	-2.8416086807 E 1	-6.8237474712 E 0	-5.4074605678 E 0	6.8756428098 E 0
7.75	-3.1230616166 E 1	-3.123065671 E 1	-8.3888753037 E 0	-7.2733533254 E 0	5.7782671437 E 0
8.00	-3.4160213645 E 1	-3.4155103563 E 1	-1.0106743708 E 1	-9.2422221514 E 0	4.7001934559 E 0
8.25	-3.7215738265 E 1	-3.7212293644 E 1	-1.1978583083 E 1	-1.1316343128 E 1	3.6324033183 E 0
8.50	-4.0397004634 E 1	-4.0394691268 E 1	-1.4003185102 E 1	-1.3505515300 E 1	2.5624255732 E 0
8.75	-4.3703874063 E 1	-4.3702325782 E 1	-1.6177839234 E 1	-1.5807032468 E 1	1.4751057940 E 0
9.00	-4.7136241984 E 1	-4.7135209080 E 1	-1.8499150053 E 1	-1.8225881375 E 1	3.5330244564 E -1
9.25	-5.0694028721 E 1	-5.0693341707 E 1	-2.0963623713 E 1	-2.0763762656 E 1	-8.2154476087 E -1
9.50	-5.4377172784 E 1	-5.4376717116 E 1	-2.3548019256 E 1	-2.3423129293 E 1	-2.0689055048 E 0
9.75	-5.8185626017 E 1	-5.8185324589 E 1	-2.6309515776 E 1	-2.6205236629 E 1	-3.4085653619 E 0
10.00	-6.2119350104 E 1	-6.2119151202 E 1	-2.9185758366 E 1	-2.9111198172 E 1	-4.8598343424 E 0
11.00	-7.9106410384 E 1	-7.9106373502 E 1	-4.2005408457 E 1	-4.1986964658 E 1	-1.2092443018 E 1
12.00	-9.6096064402 E 1	-9.6096059967 E 1	-5.6883518286 E 1	-5.6879267204 E 1	-2.1930931230 E 1
13.00	-1.1908757888 E 2	-1.1908757772 E 2	-7.3791681438 E 1	-7.3790753383 E 1	-3.4259915836 E 1
14.00	-1.4208048038 E 2	-1.4208048018 E 2	-9.2716359209 E 1	-9.2716165262 E 1	-4.8839856111 E 1
15.00	-1.670745284 E 2	-1.670745282 E 2	-1.1345792522 E 2	-1.1365788613 E 2	-6.5541108354 E 1
16.00	-1.9406926954 E 2	-1.9406926953 E 2	-1.3460708441 E 2	-1.3460707677 E 2	-8.4308811051 E 1
17.00	-2.2306476387 E 2	-2.2306476387 E 2	-1.6156365911 E 2	-1.6156365765 E 2	-1.0511903781 E 2
18.00	-2.5406081063 E 2	-2.5406081063 E 2	-1.8852610982 E 2	-1.8852610955 E 2	-1.2795964373 E 2
19.00	-2.8705731374 E 2	-2.8705731374 E 2	-2.1749330458 E 2	-2.1749330453 E 2	-1.5282336248 E 2
20.00	-3.2205419827 E 2	-3.2205419827 E 2	-2.4846438850 E 2	-2.4846438849 E 2	-1.7970552942 E 2

TABLE 12a - Oblate Eigenvalues  $\lambda_{1n}$

C	N=6	N=7	N=8	N=9	N=10
0.25	4.1969320798 E 1	5.5969176229 E 1	7.1969080548 E 1	8.9969013901 E 1	1.09968996560 E 2
0.50	4.1877314610 E 1	5.5876229180 E 1	7.1876341413 E 1	8.99876071171 E 1	1.09875867524 E 2
0.75	4.1724075770 E 1	5.57240731676 E 1	7.1721840266 E 1	8.9721216599 E 1	1.0972076748 E 2
1.00	4.1509761799 E 1	5.5507305204 E 1	7.1505673279 E 1	8.9504533774 E 1	1.0950370654 E 2
1.25	4.1234593848 E 1	5.5230620098 E 1	7.1227975208 E 1	8.9226126026 E 1	1.0922478239 E 2
1.50	4.0898857310 E 1	5.4892895782 E 1	7.0888919504 E 1	8.8886135584 E 1	1.0888411078 E 2
1.75	4.0502902611 E 1	5.4494401102 E 1	7.0488718465 E 1	8.8484734098 E 1	1.0848183322 E 2
2.00	4.0047146171 E 1	5.4035454724 E 1	7.0027623425 E 1	8.8022124650 E 1	1.0801811709 E 2
2.25	3.9532971544 E 1	5.3516425621 E 1	6.9505924960 E 1	8.7498541669 E 1	1.0749315571 E 2
2.50	3.8958230739 E 1	5.2937733655 E 1	6.8923953266 E 1	8.6914252068 E 1	1.0690716835 E 2
2.75	3.8326245723 E 1	5.2299850247 E 1	6.8282078281 E 1	8.6269553420 E 1	1.0626040039 E 2
3.00	3.7636810102 E 1	5.1603299176 E 1	6.7580710263 E 1	8.5564776150 E 1	1.0555312341 E 2
3.25	3.6890690944 E 1	5.0848637506 E 1	6.6820300137 E 1	8.4800282165 E 1	1.0478563530 E 2
3.50	3.6088730681 E 1	5.0036556671 E 1	6.6001340028 E 1	8.3976468328 E 1	1.0395826044 E 2
3.75	3.5231848922 E 1	4.9167663770 E 1	6.5124363864 E 1	8.3093760170 E 1	1.0307134985 E 2
4.00	3.4321043956 E 1	4.8242783106 E 1	6.4189948065 E 1	8.2152621248 E 1	1.0212528139 E 2
4.25	3.3357393511 E 1	4.7262658667 E 1	6.3198712351 E 1	8.1153544573 E 1	1.0112046002 E 2
4.50	3.2342054182 E 1	4.6228173456 E 1	6.2151320669 E 1	8.0097059887 E 1	1.0005731803 E 2
4.75	3.1276258651 E 1	4.5140225842 E 1	6.1048482259 E 1	7.8983730228 E 1	9.8936315404 E 1
5.00	3.0161369555 E 1	4.3999910387 E 1	5.9890952877 E 1	7.7814155173 E 1	9.7757940102 E 1
5.25	2.8998568528 E 1	4.2808199902 E 1	5.8679536179 E 1	7.6588969581 E 1	9.6522708523 E 1
5.50	2.7789438683 E 1	4.1566277653 E 1	5.7415085275 E 1	7.5308845455 E 1	9.5231165943 E 1
5.75	2.6535338616 E 1	4.0273538637 E 1	5.6098504441 E 1	7.3974492731 E 1	9.3885887043 E 1
6.00	2.5237666016 E 1	3.8936859898 E 1	5.4730750944 E 1	7.2586660437 E 1	9.2481476512 E 1
6.25	2.3897749318 E 1	3.7552168019 E 1	5.332836930 E 1	7.1146138027 E 1	9.1024569731 E 1
6.50	2.2516786513 E 1	3.6122913077 E 1	5.1845831236 E 1	6.9653759563 E 1	8.9513833542 E 1
6.75	2.1095771412 E 1	3.4650876247 E 1	5.0330860931 E 1	6.8110392570 E 1	8.7949967134 E 1
7.00	1.9635409256 E 1	3.3136912291 E 1	4.8774448371 E 1	6.6516966268 E 1	8.6333703028 E 1
7.25	1.8136025441 E 1	3.1586739370 E 1	4.7161830779 E 1	6.4874448371 E 1	8.4665808199 E 1
7.50	1.6597472952 E 1	3.00999550963 E 1	4.5510319422 E 1	6.3183860909 E 1	8.2947085328 E 1
7.75	1.5019045633 E 1	2.8379574731 E 1	4.3815934797 E 1	6.1446282780 E 1	8.1178374207 E 1
8.00	1.3399405061 E 1	2.6730457322 E 1	4.2080079615 E 1	5.9662854024 E 1	7.9360553288 E 1
8.25	1.1736528517 E 1	2.5056546198 E 1	4.0304190669 E 1	5.7834783117 E 1	7.7494541387 E 1
8.50	1.0027684117 E 1	2.3363035350 E 1	3.8489720716 E 1	5.5963355127 E 1	7.5581299527 E 1
8.75	8.2694369041 E 0	2.1656101628 E 1	3.6638112769 E 1	5.4049946370 E 1	7.3621832879 E 1
9.00	6.4576870277 E 0	1.9942095312 E 1	3.4750765272 E 1	5.2096033819 E 1	7.1617192764 E 1
9.25	4.5977384997 E 0	1.8232026852 E 1	3.2828986906 E 1	5.0103221534 E 1	6.9568478601 E 1
9.50	2.6543947675 E 0	1.6532370026 E 1	3.0873940263 E 1	4.8073264704 E 1	6.7476839677 E 1
9.75	6.5207576230 E -1	1.4853593611 E 1	2.8886574518 E 1	4.6008105855 E 1	6.5343476494 E 1
10.00	-1.4250469728 E 0	1.3204860829 E 1	2.6867548364 E 1	4.3909921358 E 1	6.3169641413 E 1
11.00	-1.0599227358 E 1	7.0150906103 E 0	1.8473110034 E 1	3.5242470199 E 1	5.4096362210 E 1
12.00	-2.1411383257 E 1	1.2414247174 E 0	9.4944452477 E 0	2.6337078747 E 1	4.44866724543 E 1
13.00	-3.4104170918 E 1	-5.166842190 E 0	-3.0765800225 E -1	1.7642236978 E 1	3.4427165897 E 1
14.00	-4.8797562569 E 1	-1.3557352852 E 1	-1.1302117270 E 1	9.7107633499 E 0	2.3960201012 E 1
15.00	-6.5530422356 E 1	-2.4715573918 E 1	-2.3871882429 E 1	2.4966412117 E 0	1.3015000711 E 1
16.00	-8.4306259250 E 1	-3.8573836446 E 1	-3.8302176389 E 1	-5.0877671569 E 0	1.3527157055 E 0
17.00	-1.0511845585 E 2	-5.4824144809 E 1	-5.4744992414 E 1	-1.4564381199 E 1	-1.1408237523 E 1
18.00	-1.2795951803 E 2	-7.3275455295 E 1	-7.3254011784 E 1	-2.6935038439 E 1	-2.5681706738 E 1
19.00	-1.5282333556 E 2	-9.3840575464 E 1	-9.3835089055 E 1	-4.2220298116 E 1	-4.1792981105 E 1
20.00	-1.7970528853 E 2	-1.1647987075 E 2	-1.1647853147 E 2	-6.0059071450 E 1	-5.9927221208 E 1

TABLE 13 - Olden Eigenvalues

C	N= 2	N= 3	N= 4	N= 5	N= 6
0.25	5.9910638274 E 0	1.1979157895 E 1	1.9974836834 E 1	2.9972757422 E 1	4.1971592268 E 1
0.50	5.9481636714 E 0	1.1916526175 E 1	1.9899337761 E 1	2.9891041960 E 1	4.1886385427 E 1
0.75	5.9190214024 E 0	1.1811787502 E 1	1.9773476826 E 1	2.9754891340 E 1	4.1744428885 E 1
1.00	5.8551625745 E 0	1.1664409270 E 1	1.959420186 E 1	2.9564371483 E 1	4.1545806132 E 1
1.25	5.7718994313 E 0	1.1473638110 E 1	1.9370540910 E 1	2.9319590995 E 1	4.1290634433 E 1
1.50	5.6683057861 E 0	1.1238923362 E 1	1.9093441074 E 1	2.9020837311 E 1	4.0979077154 E 1
1.75	5.5431823732 E 0	1.0957752713 E 1	1.8667982592 E 1	2.866778315 E 1	4.0611326405 E 1
2.00	5.3950107834 E 0	1.0429951287 E 1	1.8388328740 E 1	2.8261201129 E 1	4.0187427917 E 1
2.25	5.2218935883 E 0	1.0253359662 E 1	1.7960798792 E 1	2.7801211668 E 1	3.9708272208 E 1
2.50	5.0214778005 E 0	9.825974203 E 0	1.7483938701 E 1	2.7288194328 E 1	3.9173603632 E 1
2.75	4.7908585848 E 0	9.3455151295 E 0	1.6958610905 E 1	2.6722610955 E 1	3.8584024853 E 1
3.00	4.5244604621 E 0	8.8093939207 E 0	1.6386106019 E 1	2.6105013938 E 1	3.7940000479 E 1
3.25	4.2238947968 E 0	8.2147281524 E 0	1.5768277530 E 1	2.5436049947 E 1	3.7242084959 E 1
3.50	3.8777962203 E 0	7.5583280030 E 0	1.5107966662 E 1	2.4710458501 E 1	3.6490828227 E 1
3.75	3.4814484811 E 0	6.8367031176 E 0	1.4407816579 E 1	2.3947063232 E 1	3.5686983617 E 1
4.00	3.0276240060 E 0	6.0460766102 E 0	1.3673121100 E 1	2.3128753584 E 1	3.4831317192 E 1
4.25	2.504823825 E 0	5.1824106723 E 0	1.2909211892 E 1	2.2262454708 E 1	3.3924719511 E 1
4.50	1.9075984191 E 0	4.2414456404 E 0	1.212272312 E 1	2.1349003748 E 1	3.2968200963 E 1
4.75	1.2192091073 E 0	3.218735419 E 0	1.1321246979 E 1	2.0389491591 E 1	3.1962912277 E 1
5.00	4.2895710850 E -1	2.1098058160 E 0	1.0512367333 E 1	1.9384390525 E 1	3.0910172248 E 1
5.25	4.7526188394 E -1	9.1003317379 E -1	9.7031632319 E 0	1.8234270040 E 1	2.9811505231 E 1
5.50	-1.5042728563 E 0	-3.8498636645 E -1	8.8989323892 E 0	1.7339925236 E 1	2.8668691593 E 1
5.75	-2.6666776884 E 0	-1.7796376932 E 0	8.1022156966 E 0	1.6099263639 E 1	2.7463833984 E 1
6.00	-3.9682888583 E 0	-3.2779790384 E 0	7.3121401284 E 0	1.4913418708 E 1	2.6259443237 E 1
6.25	-5.421044857 E 0	-6.863743670 E 0	6.5242808728 E 0	1.368047299 E 1	2.4998545120 E 1
6.50	-6.9987640929 E 0	-8.400492320 E 0	5.7309825492 E 0	1.2398326490 E 1	2.3704807732 E 1
6.75	-8.7272590931 E 0	-8.4303585412 E 0	4.9219194864 E 0	1.1065828418 E 1	2.2382682635 E 1
7.00	-1.0595652571 E 1	-1.037767274 E 1	4.084652908 E 0	9.6767637778 E 0	2.1037543788 E 1
7.25	-1.2601651947 E 1	-1.2442984235 E 1	3.2051462488 E 0	8.2299492004 E 0	1.9475792212 E 1
7.50	-1.4742986528 E 1	-1.4628542551 E 1	2.2679822870 E 0	6.7203037327 E 0	1.8304873726 E 1
7.75	-1.7017613154 E 1	-1.6933733192 E 1	1.2568122735 E 0	5.1430062326 E 0	1.6933134469 E 1
8.00	-1.9423799613 E 1	-1.9365642995 E 1	1.5473737589 E -1	3.4929369183 E 0	1.5569428152 E 1
8.25	-2.1960134029 E 1	-2.1919098322 E 1	-1.055041736 E 0	1.7447531093 E 0	1.4222409988 E 1
8.50	-2.4625496082 E 1	-2.4596713888 E 1	-2.3881155841 E 0	-4.6992164389 E -2	1.2894527632 E 1
8.75	-2.7419012961 E 1	-2.7399935646 E 1	-3.858172733 E 0	-1.9477164569 E 0	1.1405045794 E 1
9.00	-3.0340012944 E 1	-3.0326078245 E 1	-5.475723923 E 0	-3.9424684926 E 0	1.0342944262 E 1
9.25	-3.3387982924 E 1	-3.3378356483 E 1	-7.2475897009 E 0	-6.0368991611 E 0	9.1003192801 E 0
9.50	-3.6562532379 E 1	-3.6555910483 E 1	-9.1771452545 E 0	-8.2350324254 E 0	7.6950387318 E 0
9.75	-3.9863364157 E 1	-3.9858827898 E 1	-1.1244629484 E 1	-1.0541287933 E 1	6.6923161214 E 0
10.00	-4.3290251527 E 1	-4.3287155490 E 1	-1.350811681 E 1	-1.2959251049 E 1	5.4840009738 E 0
11.00	-5.8255411089 E 1	-5.8254761213 E 1	-2.3972553775 E 1	-2.3887189247 E 1	2.7845844178 E -1
12.00	-7.5228697849 E 1	-7.522867396 E 1	-3.6644184209 E 1	-3.6621709226 E 1	-6.8122452443 E 0
13.00	-9.4207245894 E 1	-9.4207220639 E 1	-5.1444170820 E 1	-5.1453116387 E 1	-1.5812139292 E 1
14.00	-1.1518954829 E 2	-1.1518954355 E 2	-6.8314151158 E 1	-6.8311545579 E 1	-2.7773345222 E 1
15.00	-1.3817467142 E 2	-1.3817467055 E 2	-8.7194909381 E 1	-8.7194333372 E 1	-4.2133747548 E 1
16.00	-1.6316198090 E 2	-1.6316198075 E 2	-1.0809659714 E 2	-1.080947387 E 2	-5.8692405048 E 1
17.00	-1.9015102322 E 2	-1.9015102319 E 2	-1.3101372818 E 2	-1.3101370268 E 2	-7.735553422 E 1
18.00	-2.1914146359 E 2	-2.1914146359 E 2	-1.5594277841 E 2	-1.5594277329 E 2	-9.8082493648 E 1
19.00	-2.5013304889 E 2	-2.5013304889 E 2	-1.8288128440 E 2	-1.8288128340 E 2	-1.2085367181 E 2
20.00	-2.8312558398 E 2	-2.8312558398 E 2	-2.1182744011 E 2	-2.1182743992 E 2	-1.4565803652 E 2

TABLE 13a -- Obitone Eigenvalues  $\lambda_{2N}$

C	N = 7	N = 8	N = 9	N = 10	N = 11
0.25	5.5970872355 E 1	7.1970395911 E 1	8.9970064049 E 1	1.0996982354 E 2	1.3196964362 E 2
0.50	5.5883505215 E 1	7.1881597744 E 1	8.9880268487 E 1	1.0987930482 E 2	1.3187858376 E 2
0.75	5.5737946110 E 1	7.1733647871 E 1	8.9730650223 E 1	1.0972847582 E 2	1.3172684817 E 2
1.00	5.5534274743 E 1	7.1526617137 E 1	8.9521270891 E 1	1.0951738993 E 2	1.3151448317 E 2
1.25	5.5272603717 E 1	7.1260605213 E 1	8.9252217823 E 1	1.0924612198 E 2	1.3124155369 E 2
1.50	5.4953079533 E 1	7.0935741064 E 1	8.89233600300 E 1	1.0891476847 E 2	1.3090814333 E 2
1.75	5.4575883859 E 1	7.0552183556 E 1	8.8535557861 E 1	1.0852344766 E 2	1.3051435448 E 2
2.00	5.4141235035 E 1	7.0110122189 E 1	8.8088252685 E 1	1.0807229983 E 2	1.3006030843 E 2
2.25	5.3649388826 E 1	6.9609777935 E 1	8.7581874031 E 1	1.0756148749 E 2	1.2954614554 E 2
2.50	5.3100645376 E 1	6.9051404203 E 1	8.7016637944 E 1	1.0699119571 E 2	1.2897202537 E 2
2.75	5.2495341367 E 1	6.8435287902 E 1	8.6392787819 E 1	1.0636163238 E 2	1.2833812690 E 2
3.00	5.1833862357 E 1	6.7761750603 E 1	8.5710595023 E 1	1.0567302861 E 2	1.2764464870 E 2
3.25	5.1116640288 E 1	6.7031149809 E 1	8.4970359575 E 1	1.0492563909 E 2	1.2689180920 E 2
3.50	5.0344157144 E 1	6.6243880308 E 1	8.4172410881 E 1	1.0411974251 E 2	1.2607984692 E 2
3.75	4.9516947759 E 1	6.5400375632 E 1	8.3317108521 E 1	1.0325564204 E 2	1.2520902076 E 2
4.00	4.8635602733 E 1	6.4501109611 E 1	8.2404843108 E 1	1.0233366577 E 2	1.2427961025 E 2
4.25	4.7700771456 E 1	6.3546598031 E 1	8.1436037180 E 1	1.0135416730 E 2	1.2329191592 E 2
4.50	4.6713165156 E 1	6.2537400419 E 1	8.0411146178 E 1	1.0031752622 E 2	1.2224625963 E 2
4.75	4.5673559902 E 1	6.1474121965 E 1	7.9330659482 E 1	9.9224148820 E 1	1.2114298490 E 2
5.00	4.4582799426 E 1	6.0357415627 E 1	7.8195101516 E 1	9.8074468614 E 1	1.1998245734 E 2
5.25	4.3441797424 E 1	5.9187984453 E 1	7.7005032941 E 1	9.6868947127 E 1	1.1876506508 E 2
5.50	4.2251539165 E 1	5.7966584214 E 1	7.5761051936 E 1	9.5608074593 E 1	1.1749121915 E 2
5.75	4.1013081691 E 1	5.6694026437 E 1	7.4463795576 E 1	9.4292370764 E 1	1.1616135406 E 2
6.00	3.9727552004 E 1	5.5371182015 E 1	7.3113941333 E 1	9.2922385778 E 1	1.1477592825 E 2
6.25	3.8396142254 E 1	5.3998981597 E 1	7.1712208682 E 1	9.1498701094 E 1	1.1333542469 E 2
6.50	3.7020100734 E 1	5.2578441402 E 1	7.0259360848 E 1	9.0021930522 E 1	1.1184035144 E 2
6.75	3.5600717259 E 1	5.1110628789 E 1	6.8756206674 E 1	8.8492721346 E 1	1.1029124239 E 2
7.00	3.4139301327 E 1	4.9596714504 E 1	6.7203602603 E 1	8.6911755561 E 1	1.0868865788 E 2
7.25	3.2637151424 E 1	4.8037961943 E 1	6.5602454745 E 1	8.5279751256 E 1	1.0703318554 E 2
7.50	3.1095514018 E 1	4.6435749043 E 1	6.3953720965 E 1	8.3597464161 E 1	1.0532544110 E 2
7.75	2.9515531225 E 1	4.4791589923 E 1	6.2258412884 E 1	8.1865689396 E 1	1.0356606936 E 2
8.00	2.7898176942 E 1	4.3107164210 E 1	6.0517129744 E 1	8.0085263486 E 1	1.0175574516 E 2
8.25	2.6244182437 E 1	4.1384355945 E 1	5.8732399160 E 1	7.8257066688 E 1	9.9895174519 E 1
8.50	2.4553953836 E 1	3.9625304640 E 1	5.6903998544 E 1	7.6382025753 E 1	9.7985095862 E 1
8.75	2.2827485552 E 1	3.7832471269 E 1	5.5033633174 E 1	7.4461117229 E 1	9.6026281358 E 1
9.00	2.1064275218 E 1	3.600821811 E 1	5.3122593788 E 1	7.2495371500 E 1	9.4019538391 E 1
9.25	1.9263246690 E 1	3.4147430116 E 1	5.1172218750 E 1	7.0485871800 E 1	9.1965711162 E 1
9.50	1.7422688050 E 1	3.2282599723 E 1	4.9183884468 E 1	6.8433790546 E 1	8.9865682424 E 1
9.75	1.5540210989 E 1	3.0388999943 E 1	4.7158990753 E 1	6.6340337439 E 1	8.7720375345 E 1
10.00	1.3612736527 E 1	2.8482304111 E 1	4.5098939769 E 1	6.4206829941 E 1	8.5530755458 E 1
11.00	5.3687697760 E 0	2.0873840197 E 1	3.55334411914 E 1	5.5302311273 E 1	7.6350052460 E 1
12.00	-3.9871715185 E 0	1.3716436578 E 1	2.7490244623 E 1	4.5897764566 E 1	6.6549831073 E 1
13.00	-1.5366478 E 1	7.2472430004 E 0	1.7950136078 E 0	3.6184632484 E 1	5.6214553716 E 1
14.00	-2.1657066 E 1	7.5454359450 E 0	7.433147200 E 0	2.6519696916 E 1	4.5433520468 E 1
15.00	-4.2039111660 E 1	-7.1277556533 E 0	-3.4575143347 E 0	1.7468827421 E 1	3.4273438609 E 1
16.00	-5.8666892468 E 1	-1.7588314980 E 1	-1.6052230486 E 0	9.3759558005 E 0	2.2720338736 E 1
17.00	-7.7349090893 E 1	-3.0928148696 E 1	-3.0389307271 E 1	1.5940841506 E 0	1.0611114621 E 1
18.00	-9.8080936691 E 1	-4.6857323389 E 1	-4.6689291413 E 1	-7.3563203074 E 0	-2.3841955315 E 0
19.00	-1.2085331226 E 2	-6.5098455913 E 1	-6.5050196935 E 1	-1.8891787014 E 1	-1.6687907269 E 0
20.00	-1.4565795839 E 2	-8.5509486762 E 1	-8.5496472545 E 1	-3.3505408177 E 1	-3.2687717138 E 0



TABLE 14 - On-Line Eigenvalues  $\lambda_{3N}$

C	N=3	N=4	N=5	N=6	N=7
0.25	1.1993051655 E 1	1.998299125 E 1	2.9978096370 E 1	4.1975378446 E 1	5.5973699390 E 1
0.50	1.1972159662 E 1	1.9931731372 E 1	2.9912362557 E 1	4.1901509753 E 1	5.5894801145 E 1
0.75	1.1937181965 E 1	1.9846150679 E 1	2.9802730602 E 1	4.1778382301 E 1	5.5763316255 E 1
1.00	1.1887877822 E 1	1.9725878034 E 1	2.9649090053 E 1	4.1605978329 E 1	5.5579263851 E 1
1.25	1.1823901640 E 1	1.9570488104 E 1	2.94511292357 E 1	4.1384276344 E 1	5.5342672416 E 1
1.50	1.1744793954 E 1	1.9379224498 E 1	2.9209157430 E 1	4.1113254525 E 1	5.5053581481 E 1
1.75	1.1649969134 E 1	1.915193676 E 1	2.8922482814 E 1	4.0792695115 E 1	5.4712043786 E 1
2.00	1.1538699239 E 1	1.8886407489 E 1	2.8591056023 E 1	4.0423189820 E 1	5.4318127900 E 1
2.25	1.1410093253 E 1	1.8582774396 E 1	2.8214670857 E 1	4.0004146192 E 1	5.3871921287 E 1
2.50	1.1263070712 E 1	1.8239399393 E 1	2.7793148716 E 1	3.9535794951 E 1	5.3373533795 E 1
2.75	1.1096328448 E 1	1.7854852786 E 1	2.7326366196 E 1	3.9011198168 E 1	5.2823101554 E 1
3.00	1.0908298879 E 1	1.7427507966 E 1	2.6814299582 E 1	3.8451458123 E 1	5.2220791255 E 1
3.25	1.0697097923 E 1	1.6955528477 E 1	2.6257025183 E 1	3.7835726595 E 1	5.1566804786 E 1
3.50	1.0460460289 E 1	1.6436854775 E 1	2.5654866771 E 1	3.7171214186 E 1	5.0841384229 E 1
3.75	1.0195659709 E 1	1.5869191264 E 1	2.5008377586 E 1	3.6458199118 E 1	5.0104817201 E 1
4.00	9.8994117187 E 0	1.5249994381 E 1	2.4318474243 E 1	3.5697034741 E 1	4.9297442573 E 1
4.25	9.567573997 E 0	1.4576462742 E 1	2.3586535094 E 1	3.4888154745 E 1	4.839656646 E 1
4.50	9.195284784 E 0	1.3845530644 E 1	2.2814525905 E 1	3.4032074824 E 1	4.7531919913 E 1
4.75	8.7781983970 E 0	1.3053864416 E 1	2.2005136190 E 1	3.3129389271 E 1	4.6574761440 E 1
5.00	8.3077316994 E 0	1.2197817375 E 1	2.1161921895 E 1	3.2180760789 E 1	4.5568801692 E 1
5.25	7.7764565173 E 0	1.1273732300 E 1	2.0289415098 E 1	3.1186901132 E 1	4.4514740973 E 1
5.50	7.1750023063 E 0	1.0277339456 E 1	1.9393171767 E 1	3.0146545048 E 1	4.3413384570 E 1
5.75	6.4927439594 E 0	9.2044726836 E 0	1.8479686925 E 1	2.9066403604 E 1	4.2265663387 E 1
6.00	5.718441759 E 0	8.050727305 E 0	1.7556108850 E 1	2.7941117277 E 1	4.1072648863 E 1
6.25	4.8391701264 E 0	6.811627093 E 0	1.6629679608 E 1	2.6773188254 E 1	3.9835583565 E 1
6.50	3.8440606007 E 0	5.4826802877 E 0	1.5706945966 E 1	2.5562906433 E 1	3.855918904 E 1
6.75	2.7223351853 E 0	4.0594610707 E 0	1.4792775990 E 1	2.4310268352 E 1	3.7235364582 E 1
7.00	1.465539056 E -2	2.537484609 E 0	1.3889460225 E 1	2.3014894605 E 1	3.5875952567 E 1
7.25	6.7867844844 E -2	9.1329378500 E -1	1.2996092117 E 1	2.1675951831 E 1	3.4480118184 E 1
7.50	-1.4739046472 E 0	-8.1749131456 E -1	1.2108385257 E 1	2.0292085811 E 1	3.3050799925 E 1
7.75	-3.1606298188 E 0	-2.6581000445 E 0	1.1218899570 E 1	1.8861371852 E 1	3.1591557191 E 1
8.00	-4.9914698513 E 0	-4.6115832874 E 0	1.0317512844 E 1	1.7381287422 E 1	3.0106700552 E 1
8.25	-6.9645470743 E 0	-6.6805934320 E 0	9.3919439910 E 0	1.5848710182 E 1	2.8601420944 E 1
8.50	-9.0775095849 E 0	-8.8673445974 E 0	8.4282020622 E 0	1.4259942484 E 1	2.7081891546 E 1
8.75	-1.1327933465 E 1	-1.1173831566 E 1	7.4109389228 E 0	1.2610761380 E 1	2.5555298607 E 1
9.00	-1.3713564451 E 1	-1.3601455887 E 1	6.3237702780 E 0	1.0896491561 E 1	2.4029738044 E 1
9.25	-1.6232434898 E 1	-1.6151468049 E 1	5.1496752280 E 0	9.1120974329 E 0	2.2513901806 E 1
9.50	-1.8882898199 E 1	-1.8824808358 E 1	3.8715860295 E 0	7.2522897266 E 0	2.1016488360 E 1
9.75	-2.1663615745 E 1	-2.1622190756 E 1	2.4731777696 E 0	5.3116415446 E 0	1.9545320903 E 1
10.00	-2.4573520979 E 1	-2.4544444190 E 1	9.3990925921 E -1	3.2847083076 E 0	1.8106260083 E 1
11.00	-3.7490010203 E 1	-3.7483729087 E 1	-6.726542040 E 0	-5.7690322760 E 0	1.2667001297 E 1
12.00	-5.2433417046 E 1	-5.2431814599 E 1	-1.6922958765 E 1	-1.6613714140 E 1	7.2654609184 E 0
13.00	-6.936491536 E 1	-6.9369146568 E 1	-2.9369235195 E 1	-2.9369387093 E 1	7.6484142449 E -1
14.00	-8.8354120157 E 1	-8.8354048857 E 1	-4.4159502820 E 1	-4.4135596219 E 1	-6.0092526449 E 0
15.00	-1.0932481522 E 2	-1.093280098 E 2	-6.0940502230 E 1	-6.0934550128 E 1	-1.9334899348 E 1
16.00	-1.3230007377 E 2	-1.3230007101 E 2	-7.9767574210 E 1	-7.9767574210 E 1	-3.3623650327 E 1
17.00	-1.5727888332 E 2	-1.5727888280 E 2	-1.0062513394 E 2	-1.0062481632 E 2	-5.0010896359 E 1
18.00	-1.8426051994 E 2	-1.8426051984 E 2	-1.2350491143 E 2	-1.2350484224 E 2	-6.8552855358 E 1
19.00	-2.1324444736 E 2	-2.1324444735 E 2	-1.4840177435 E 2	-1.4840177435 E 2	-8.9185293210 E 1
20.00	-2.4423025840 E 2	-2.4423025840 E 2	-1.7531219331 E 2	-1.7531219031 E 2	-1.1117637732 E 2

TABLE 14a - Omega Eigenvalues

C	N=8	N=9	N=10	N=11	N=12
0.25	7.1972588254 E 1	8.9971614330 E 1	1.0997125346 E 2	1.3197083390 E 2	1.5597051180 E 2
0.50	7.1890359456 E 1	8.9887244594 E 1	1.0988502109 E 2	1.3188334247 E 2	1.5588205354 E 2
0.75	7.1753333047 E 1	8.9746327677 E 1	1.0974132465 E 2	1.3173754628 E 2	1.5573464425 E 2
1.00	7.1561541854 E 1	8.9549175282 E 1	1.0954020055 E 2	1.3153347974 E 2	1.5552831570 E 2
1.25	7.1315032713 E 1	8.929724275 E 1	1.0928170002 E 2	1.3127119113 E 2	1.5524311247 E 2
1.50	7.1013867348 E 1	8.8986087156 E 1	1.0896588940 E 2	1.3095074286 E 2	1.5493909205 E 2
1.75	7.0658123487 E 1	8.8620387669 E 1	1.0859285050 E 2	1.3057221159 E 2	1.5455632495 E 2
2.00	7.0247896206 E 1	8.8198664537 E 1	1.0816268097 E 2	1.3013568853 E 2	1.5411489489 E 2
2.25	6.9783299507 E 1	8.7720982312 E 1	1.0767549484 E 2	1.2964127971 E 2	1.5361489896 E 2
2.50	6.9264468098 E 1	8.7187612354 E 1	1.0713142306 E 2	1.2908910635 E 2	1.5305644782 E 2
2.75	6.8691559388 E 1	8.6598653914 E 1	1.0653061414 E 2	1.2847930519 E 2	1.5243966657 E 2
3.00	6.8064755666 E 1	8.5954285329 E 1	1.0587323478 E 2	1.2781202893 E 2	1.5176469197 E 2
3.25	6.7384266455 E 1	8.5254707312 E 1	1.0515947072 E 2	1.2708744668 E 2	1.5103167875 E 2
3.50	6.6650331041 E 1	8.4500144340 E 1	1.0438952743 E 2	1.2630574445 E 2	1.5024079391 E 2
3.75	6.5863221151 E 1	8.3690846132 E 1	1.0356363107 E 2	1.2546712567 E 2	1.4939222004 E 2
4.00	6.5023243768 E 1	8.2827089207 E 1	1.0268202934 E 2	1.2457101174 E 2	1.4848615508 E 2
4.25	6.4130744083 E 1	8.1909178530 E 1	1.0174499245 E 2	1.2362200424 E 2	1.4752281271 E 2
4.50	6.3186108568 E 1	8.0937449222 E 1	1.0075281416 E 2	1.2261207748 E 2	1.4650242272 E 2
4.75	6.2189768154 E 1	7.9912248365 E 1	9.9705012810 E 1	1.2154819330 E 2	1.4542523145 E 2
5.00	6.1142201503 E 1	7.8834036869 E 1	9.8604332420 E 1	1.20428669560 E 2	1.4429150218 E 2
5.25	6.0043938354 E 1	7.7703191432 E 1	9.7448743869 E 1	1.1925389913 E 2	1.4310151565 E 2
5.50	5.8895562905 E 1	7.652026589 E 1	9.6239446075 E 1	1.1802414861 E 2	1.4185557052 E 2
5.75	5.7697717164 E 1	7.5285596867 E 1	9.4976867251 E 1	1.1673980951 E 2	1.4055398382 E 2
6.00	5.6451104180 E 1	7.3999919080 E 1	9.3661466220 E 1	1.1540127088 E 2	1.3919709154 E 2
6.25	5.5156490995 E 1	7.2663774776 E 1	9.2293733780 E 1	1.1400894616 E 2	1.3778524914 E 2
6.50	5.3814711076 E 1	7.1277812918 E 1	9.0874194149 E 1	1.1256327410 E 2	1.3631883212 E 2
6.75	5.2426665908 E 1	6.9842732843 E 1	8.9403406475 E 1	1.1106471970 E 2	1.3479823664 E 2
7.00	5.0993325249 E 1	6.8359327636 E 1	8.7881968440 E 1	1.0951377514 E 2	1.3322388010 E 2
7.25	4.9515725419 E 1	6.6828288038 E 1	8.6310507957 E 1	1.0791096887 E 2	1.3159620186 E 2
7.50	4.7994964779 E 1	6.5250607143 E 1	8.4689704956 E 1	1.0625682670 E 2	1.2991566386 E 2
7.75	4.6432195378 E 1	6.3627186139 E 1	8.3020273290 E 1	1.0455195297 E 2	1.2818275143 E 2
8.00	4.4828609513 E 1	6.1959041549 E 1	8.1302972734 E 1	1.0279695184 E 2	1.2639797401 E 2
8.25	4.3185419857 E 1	6.0247274494 E 1	7.9538609068 E 1	1.0099246681 E 2	1.2456186599 E 2
8.50	4.1503831709 E 1	5.8493862763 E 1	7.7728036223 E 1	9.9139183322 E 1	1.2267498761 E 2
8.75	3.9785006079 E 1	5.6697776639 E 1	7.5872158421 E 1	9.7237812598 E 1	1.2073792588 E 2
9.00	3.8030012646 E 1	5.4862799791 E 1	7.3971932221 E 1	9.5289110071 E 1	1.1875129563 E 2
9.25	3.6239772235 E 1	5.2989756781 E 1	7.2028936815 E 1	9.3293871435 E 1	1.1671574055 E 2
9.50	3.4414989409 E 1	5.1080449172 E 1	7.0042532871 E 1	9.1252933831 E 1	1.1463193443 E 2
9.75	3.2556076955 E 1	4.9136922461 E 1	6.8015548099 E 1	8.9167180132 E 1	1.1250058242 E 2
10.00	3.0663075388 E 1	4.7161526361 E 1	6.5948591626 E 1	8.7037541921 E 1	1.1032242238 E 2
11.00	2.2733614446 E 1	3.9003641353 E 1	5.7306330956 E 1	7.8100729767 E 1	1.0115769303 E 2
12.00	1.4119053713 E 1	3.0667990894 E 1	4.8128612499 E 1	6.8552712414 E 1	9.1312696870 E 1
13.00	4.5429002827 E 0	2.2643181414 E 1	3.8489765719 E 1	5.8494013814 E 1	8.0854095517 E 1
14.00	-6.3634222277 E 0	1.5279478119 E 0	2.8406741670 E 1	4.8081391544 E 1	6.9640602194 E 1
15.00	-1.8945494621 E 1	8.5515366269 E 0	1.7770199875 E 1	3.7598755550 E 1	5.8420576421 E 1
16.00	-3.3438766503 E 1	9.377151311 E -1	6.3071314576 E 0	2.7548227205 E 1	4.6612252730 E 1
17.00	-4.9957934888 E 1	8.87831851365 E 0	-6.3713449904 E 1	1.8471137708 E 1	3.4460650037 E 1
18.00	-6.8538662307 E 1	-2.1611477308 E 1	-2.0654164484 E 1	1.0185955999 E 1	2.1888199959 E 1
19.00	-8.9181701172 E 1	-3.7145245586 E 1	-3.682951493 E 1	1.4499422756 E 0	8.568589218 E 0
20.00	-1.1187750713 E 2	-5.5134324982 E 1	-5.5037318156 E 1	-9.3478276921 E 0	-5.8393866226 E 0

TABLE 15 - Other Eigenvalues

C	N= 4	N= 5	N= 6	N= 7	N= 8
0.25	1.9994315922 E 1	2.9985573366 E 1	4.1980679928 E 1	5.5977657575 E 1	7.1975657687 E 1
0.50	1.9977236516 E 1	2.9942250727 E 1	4.1922697073 E 1	5.5910620788 E 1	7.1902628289 E 1
0.75	1.9948679748 E 1	2.9869903482 E 1	4.1825993772 E 1	5.582861332 E 1	7.1780904571 E 1
1.00	1.9908507184 E 1	2.9768315989 E 1	4.1690428129 E 1	5.5642332815 E 1	7.1610474980 E 1
1.25	1.9856521359 E 1	2.9637183594 E 1	4.1515875400 E 1	5.540971951 E 1	7.1391324402 E 1
1.50	1.9792461955 E 1	2.9476109845 E 1	4.1302130054 E 1	5.5194700255 E 1	7.1123435225 E 1
1.75	1.971600664 E 1	2.9284602874 E 1	4.1048958658 E 1	5.4903426269 E 1	7.0806788715 E 1
2.00	1.9626734527 E 1	2.9062070908 E 1	4.0756093780 E 1	5.4670436697 E 1	7.0441366697 E 1
2.25	1.9524177509 E 1	2.8807816804 E 1	4.0423239150 E 1	5.44185456010 E 1	7.0027153559 E 1
2.50	1.9407749965 E 1	2.8521032195 E 1	4.0050076427 E 1	5.4158543997 E 1	6.9564138565 E 1
2.75	1.9276765596 E 1	2.8200789338 E 1	3.9636273987 E 1	5.386196881 E 1	6.9052318494 E 1
3.00	1.9130415344 E 1	2.7846033799 E 1	3.9181498272 E 1	5.352768314444 E 1	6.8491700592 E 1
3.25	1.8967747556 E 1	2.7455574813 E 1	3.8685428384 E 1	5.3204807705 E 1	6.7882305839 E 1
3.50	1.8787643577 E 1	2.7028075250 E 1	3.8147774769 E 1	5.2895607634 E 1	6.7224172531 E 1
3.75	1.8588787731 E 1	2.6562040637 E 1	3.7566303067 E 1	5.259995619 E 1	6.6517360164 E 1
4.00	1.8369630396 E 1	2.605807343 E 1	3.694664390 E 1	5.2333613701 E 1	6.576193421 E 1
4.25	1.8128342647 E 1	2.5507530313 E 1	3.6283433608 E 1	4.9493613701 E 1	6.4958087651 E 1
4.50	1.7862760676 E 1	2.4915170438 E 1	3.5578157407 E 1	4.8701614888 E 1	6.4105851648 E 1
4.75	1.7570318016 E 1	2.4276482091 E 1	3.4831414108 E 1	4.786146707 E 1	6.3205494737 E 1
5.00	1.7247963590 E 1	2.358901360 E 1	3.4043887183 E 1	4.6981423013 E 1	6.2257231204 E 1
5.25	1.6892064020 E 1	2.2850035718 E 1	3.3216653987 E 1	4.6053729311 E 1	6.1261346320 E 1
5.50	1.6498289776 E 1	2.2056656068 E 1	3.2351290004 E 1	4.5081425514 E 1	6.0218182688 E 1
5.75	1.6061487318 E 1	2.1205692313 E 1	3.1449966303 E 1	4.4044944998 E 1	5.9128147270 E 1
6.00	1.5575544060 E 1	2.0293733769 E 1	3.0515673080 E 1	4.3004788646 E 1	5.7991719373 E 1
6.25	1.5033260882 E 1	1.9317135895 E 1	2.9552134160 E 1	4.1901512418 E 1	5.6809460008 E 1
6.50	1.4426258610 E 1	1.8272034833 E 1	2.8544085477 E 1	4.0755707001 E 1	5.5582023160 E 1
6.75	1.3744959635 E 1	1.7154371103 E 1	2.7537175550 E 1	3.956968193 E 1	5.4310169780 E 1
7.00	1.2978699550 E 1	1.5959233501 E 1	2.6537852022 E 1	3.8338857089 E 1	5.2994785534 E 1
7.25	1.2116026677 E 1	1.4684353581 E 1	2.5513034803 E 1	3.7068849743 E 1	5.1634903647 E 1
7.50	1.1145227303 E 1	1.3323260283 E 1	2.4489557669 E 1	3.5758276924 E 1	5.0237734561 E 1
7.75	1.0055050859 E 1	1.1872243157 E 1	2.3473397802 E 1	3.4407255747 E 1	4.8798704404 E 1
8.00	8.8355335947 E 0	1.0326971456 E 1	2.2468799307 E 1	3.3015616194 E 1	4.7321504416 E 1
8.25	7.4787286181 E 0	8.6832553287 E 0	2.1477473313 E 1	3.1582826784 E 1	4.5808153117 E 1
8.50	5.9791513019 E 0	6.9371145406 E 0	2.0498067586 E 1	3.0107924507 E 1	4.4261083160 E 1
8.75	4.338272346 E 0	5.084839975 E 0	1.9524015489 E 1	2.8589454529 E 1	4.2683219004 E 1
9.00	2.5419703760 E -1	3.1230437313 E 0	1.853739032 E 1	2.7023424926 E 1	4.1078187322 E 1
9.25	6.0443217718 E -1	1.0486941153 E 0	1.7571066023 E 1	2.5413280777 E 1	3.9450028935 E 1
9.50	-1.4769049393 E 0	-1.1408653971 E 0	1.6565706935 E 1	2.3749900545 E 1	3.7804128343 E 1
9.75	-3.6996574024 E 0	-3.4479139895 E 0	1.5523675189 E 1	2.2031615989 E 1	3.6146467382 E 1
10.00	-6.0613308618 E 0	-5.8743660360 E 0	1.4429630221 E 1	2.0254255202 E 1	3.4484133748 E 1
11.00	-1.6854256692 E 1	-1.6801314579 E 1	9.1942390106 E 0	1.2457061134 E 1	2.7952633123 E 1
12.00	-2.9732267474 E 1	-2.9718563624 E 1	1.8769948353 E 0	3.3062217461 E 0	2.1919319270 E 1
13.00	-4.4648426882 E 1	-4.4645112865 E 1	-8.0262217102 E 0	-7.5111791733 E 0	1.6207199033 E 1
14.00	-6.158498280 E 1	-6.158373900 E 1	-2.0374841120 E 1	-2.0214269629 E 1	9.8275449026 E 0
15.00	-8.0532956060 E 1	-8.0532789635 E 1	-3.4959723855 E 1	-3.4942555531 E 1	1.5106449079 E 0
16.00	-1.014901493 E 2	-1.014900978 E 2	-5.1661440866 E 1	-5.1649455801 E 1	-9.5300003600 E 0
17.00	-1.2445381192 E 2	-1.2445380473 E 2	-7.0427872298 E 1	-7.0424892637 E 1	-2.330308310 E 1
18.00	-1.4942260925 E 2	-1.4942260781 E 2	-9.1235917366 E 1	-9.1235928079 E 1	-3.9487390231 E 1
19.00	-1.7639548174 E 2	-1.7639548146 E 2	-1.1807380051 E 2	-1.1407363848 E 2	-5.7890672364 E 1
20.00	-2.0537168869 E 2	-2.053716884 E 2	-1.3893449908 E 2	-1.3893446330 E 2	-7.8417663024 E 1

TABLE 15a - Oblate Eigenvalues  $\lambda_{4n}$

C	N=9	N=10	N=11	N=12	N=13
0.25	8.9974264801 E 1	1.0997325539 E 2	1.3197250031 E 2	1.5597192063 E 2	1.8197146585 E 2
0.50	8.9897060367 E 1	1.0993024553 E 2	1.3199000503 E 2	1.5588768640 E 2	1.8188586755 E 2
0.75	8.9768390272 E 1	1.0975931634 E 2	1.3175252554 E 2	1.5574731020 E 2	1.8174321743 E 2
1.00	8.9588260782 E 1	1.0957214588 E 2	1.3156008091 E 2	1.5555081196 E 2	1.8154353615 E 2
1.25	8.9356681310 E 1	1.0933153464 E 2	1.3131269810 E 2	1.5529822080 E 2	1.8128685271 E 2
1.50	8.9073665061 E 1	1.0903375108 E 2	1.3101041216 E 2	1.5498957415 E 2	1.8097320457 E 2
1.75	8.8739229854 E 1	1.0869011024 E 2	1.3065326661 E 2	1.5462491817 E 2	1.8060263778 E 2
2.00	8.835339129 E 1	1.0828937619 E 2	1.3024131374 E 2	1.5420430800 E 2	1.8017520716 E 2
2.25	8.7916203125 E 1	1.0783536090 E 2	1.2977461512 E 2	1.5372780801 E 2	1.7969097646 E 2
2.50	8.7427680241 E 1	1.0732812594 E 2	1.2925324206 E 2	1.5319549217 E 2	1.7915001855 E 2
2.75	8.6887878568 E 1	1.0676774330 E 2	1.2867727621 E 2	1.5260744439 E 2	1.7855241574 E 2
3.00	8.6296857587 E 1	1.0615429632 E 2	1.2804681019 E 2	1.5196375890 E 2	1.7789825995 E 2
3.25	8.5654690036 E 1	1.0548788086 E 2	1.2736194827 E 2	1.5126454074 E 2	1.7718765308 E 2
3.50	8.4961463936 E 1	1.0476860648 E 2	1.2662280712 E 2	1.5050990622 E 2	1.7642070729 E 2
3.75	8.4217284767 E 1	1.0399659775 E 2	1.2582951660 E 2	1.4969998342 E 2	1.7559754531 E 2
4.00	8.3422777791 E 1	1.0317199562 E 2	1.2498222064 E 2	1.4883491275 E 2	1.7471830088 E 2
4.25	8.2576590526 E 1	1.0229495887 E 2	1.2408107813 E 2	1.4791484753 E 2	1.7378311905 E 2
4.50	8.1680395337 E 1	1.0136566567 E 2	1.231262388 E 2	1.4693995460 E 2	1.7279215665 E 2
4.75	8.0733892166 E 1	1.0038831514 E 2	1.2211796957 E 2	1.4591041497 E 2	1.7174558267 E 2
5.00	7.9737311381 E 1	9.9351129109 E 1	1.2105644447 E 2	1.4482644447 E 2	1.7064357874 E 2
5.25	7.8690916728 E 1	9.8266353753 E 1	1.199479845 E 2	1.4368819446 E 2	1.6948633956 E 2
5.50	7.7595008402 E 1	9.7130261498 E 1	1.1877439914 E 2	1.4249595256 E 2	1.6827407343 E 2
5.75	7.6449262205 E 1	9.5943152851 E 1	1.1755447709 E 2	1.4124994340 E 2	1.6700700270 E 2
6.00	7.5256052799 E 1	9.4705205853 E 1	1.1628232495 E 2	1.3995042938 E 2	1.6568536432 E 2
6.25	7.4013817027 E 1	9.3417240596 E 1	1.1495825913 E 2	1.3859769150 E 2	1.6430941037 E 2
6.50	7.2723697274 E 1	9.2079196310 E 1	1.1358262108 E 2	1.3719203017 E 2	1.6287940864 E 2
6.75	7.1386224833 E 1	9.0691658554 E 1	1.1215377863 E 2	1.3573376606 E 2	1.6139564314 E 2
7.00	7.0001987210 E 1	8.925098999 E 1	1.1067812732 E 2	1.3422324102 E 2	1.5985841476 E 2
7.25	6.8571631240 E 1	8.7770030358 E 1	1.0915009188 E 2	1.3266081895 E 2	1.5826804184 E 2
7.50	6.7095865880 E 1	8.6237008980 E 1	1.0757212765 E 2	1.3104488679 E 2	1.5662486081 E 2
7.75	6.5575464432 E 1	8.4656637670 E 1	1.0594472218 E 2	1.2938185547 E 2	1.5492922687 E 2
8.00	6.4011265859 E 1	8.3029568819 E 1	1.0426839681 E 2	1.2766616096 E 2	1.5318151463 E 2
8.25	6.2404174754 E 1	8.1356507936 E 1	1.0254370835 E 2	1.2590026531 E 2	1.5138211881 E 2
8.50	6.0755159354 E 1	7.9638217749 E 1	1.0077125087 E 2	1.2408465782 E 2	1.4953145503 E 2
8.75	5.9065246840 E 1	7.7875523077 E 1	9.8951657575 E 1	1.2221985619 E 2	1.4762996051 E 2
9.00	5.7335514987 E 1	7.6069316774 E 1	9.7085602703 E 1	1.2030640777 E 2	1.4567809491 E 2
9.25	5.5567079067 E 1	7.4220567116 E 1	9.5173303618 E 1	1.1834489093 E 2	1.4367634115 E 2
9.50	5.3761072798 E 1	7.2330327184 E 1	9.3217222885 E 1	1.1633591648 E 2	1.4162520631 E 2
9.75	5.1918622076 E 1	7.0399746931 E 1	9.1216070415 E 1	1.1428012924 E 2	1.3952522255 E 2
10.00	5.0040810361 E 1	6.8430088831 E 1	8.9171805585 E 1	1.1217820973 E 2	1.3737694814 E 2
11.00	4.2193419753 E 1	6.0191196537 E 1	8.0580445327 E 1	1.0332418260 E 2	1.2831308366 E 2
12.00	3.3818652003 E 1	5.1478047914 E 1	7.1379046969 E 1	9.3797313435 E 1	1.1852880315 E 2
13.00	2.4835818811 E 1	4.2519354090 E 1	6.1645810851 E 1	8.3664515612 E 1	1.0807510405 E 2
14.00	1.5013960614 E 1	3.3738437163 E 1	5.148981571 E 1	7.3014802532 E 1	9.7013436709 E 1
15.00	4.0028306712 E 0	2.5670680335 E 1	4.0858919380 E 1	6.1980848636 E 1	8.5417288074 E 1
16.00	-8.5661132354 E 0	1.8334353506 E 1	2.9784401061 E 1	5.0793006248 E 1	7.3370876147 E 1
17.00	-2.2976696054 E 1	1.0759205560 E 1	1.8019983259 E 1	3.9874322921 E 1	6.0958127543 E 1
18.00	-3.9388390116 E 1	1.4737425998 E 0	5.205226958 E 0	2.9818666012 E 1	4.8228886548 E 1
19.00	-5.7862797327 E 1	-1.0623854646 E 1	-9.0663831510 E 0	2.082382560 E 1	3.5137770074 E 1
20.00	-7.8410249358 E 1	-2.5687829122 E 1	-2.5132017049 E 1	1.2007021435 E 1	2.1482998626 E 1

TABLE 16 -- Oblate Eigenvalues

A5H

C	N= 5	N= 6	N= 7	N= 8	N= 9
0.25	2.9995190884 E 1	4.1987497548 E 1	5.5982747244 E 1	7.1979604364 E 1	8.9977415538 E 1
0.50	2.9980746428 E 1	4.1949960743 E 1	5.5930669503 E 1	7.1918406687 E 1	8.9909657028 E 1
0.75	2.9956615056 E 1	4.1884430099 E 1	5.5844608422 E 1	7.1816374772 E 1	8.9796709185 E 1
1.00	2.9922709979 E 1	4.1799369899 E 1	5.5723566999 E 1	7.1673455337 E 1	8.9638546832 E 1
1.25	2.987907923 E 1	4.1685958011 E 1	5.5567709992 E 1	7.1489574589 E 1	8.9435135355 E 1
1.50	2.9825047307 E 1	4.1546793231 E 1	5.5376864530 E 1	7.1264639054 E 1	8.9186431335 E 1
1.75	2.9760925798 E 1	4.1381538609 E 1	5.5150820990 E 1	7.0998556663 E 1	8.8892383377 E 1
2.00	2.9686297187 E 1	4.1189789657 E 1	5.4889334193 E 1	7.0691138128 E 1	8.852933131 E 1
2.25	2.9600867490 E 1	4.0971071099 E 1	5.4592125021 E 1	7.0342298830 E 1	8.8168016513 E 1
2.50	2.9504290140 E 1	4.0724883304 E 1	5.4258882565 E 1	6.9951859852 E 1	8.7737565141 E 1
2.75	2.9396160132 E 1	4.0450446538 E 1	5.3889266952 E 1	6.9519652380 E 1	8.7261507975 E 1
3.00	2.9276006909 E 1	4.0147198472 E 1	5.3482913039 E 1	6.9045498528 E 1	8.6739773196 E 1
3.25	2.9143285775 E 1	3.9814285800 E 1	5.3039435210 E 1	6.8529215598 E 1	8.6172290312 E 1
3.50	2.8997367499 E 1	3.9450809032 E 1	5.2558433580 E 1	6.7970619637 E 1	8.558992483 E 1
3.75	2.8837525764 E 1	3.9055744990 E 1	5.2039501959 E 1	6.7369229706 E 1	8.4899819128 E 1
4.00	2.8662921980 E 1	3.8628038773 E 1	5.1482238069 E 1	6.6725772694 E 1	8.4194718745 E 1
4.25	2.8472586884 E 1	3.8166394960 E 1	5.0886256560 E 1	6.6039188679 E 1	8.3443652008 E 1
4.50	2.8265398221 E 1	3.7669468036 E 1	5.0251205567 E 1	6.5309636843 E 1	8.26446595105 E 1
4.75	2.8040033620 E 1	3.7135752099 E 1	4.9576787667 E 1	6.4537001883 E 1	8.1803543345 E 1
5.00	2.7795037622 E 1	3.6563589934 E 1	4.8862786301 E 1	6.3721200849 E 1	8.0914515011 E 1
5.25	2.7528581575 E 1	3.5951161593 E 1	4.8109098933 E 1	6.2862190269 E 1	7.9979555488 E 1
5.50	2.7238674957 E 1	3.5296427203 E 1	4.7315778397 E 1	6.1959973344 E 1	7.8998741649 E 1
5.75	2.6922704475 E 1	3.4597342817 E 1	4.6483084051 E 1	6.1014606909 E 1	7.7972186532 E 1
6.00	2.6577993289 E 1	3.3851394225 E 1	4.5611544376 E 1	6.0026207745 E 1	7.6900044338 E 1
6.25	2.6201096928 E 1	3.3056041810 E 1	4.4702032405 E 1	5.8994957664 E 1	7.5782515790 E 1
6.50	2.5788025189 E 1	3.2208484657 E 1	4.3755884590 E 1	5.7921106669 E 1	7.4619853956 E 1
6.75	2.5334060940 E 1	3.1305700305 E 1	4.2774852045 E 1	5.6804973296 E 1	7.3412370678 E 1
7.00	2.4833641883 E 1	3.0344442703 E 1	4.1761509931 E 1	5.5646941099 E 1	7.2160443794 E 1
7.25	2.4280240518 E 1	2.9321240535 E 1	4.0719065383 E 1	5.4447450116 E 1	7.0864525489 E 1
7.50	2.3666261726 E 1	2.8232428691 E 1	3.9651596174 E 1	5.3206982953 E 1	6.9525152183 E 1
7.75	2.2982986289 E 1	2.7074119597 E 1	3.8564061155 E 1	5.1926038021 E 1	6.8142954551 E 1
8.00	2.222060933 E 1	2.5842272976 E 1	3.7462251116 E 1	5.0605107781 E 1	6.6718682477 E 1
8.25	2.1368363991 E 1	2.4532707229 E 1	3.6352599884 E 1	4.9244629889 E 1	6.5253203955 E 1
8.50	2.0434951630 E 1	2.3141147080 E 1	3.5241809416 E 1	4.7844942715 E 1	6.3747549252 E 1
8.75	1.9349001424 E 1	2.1663273336 E 1	3.4136270432 E 1	4.6406227731 E 1	6.2202931929 E 1
9.00	1.8159812921 E 1	2.0094791720 E 1	3.3041317014 E 1	4.4928442661 E 1	6.0620790585 E 1
9.25	1.6838091670 E 1	1.8431474250 E 1	3.1960426557 E 1	4.3411259925 E 1	5.9002839413 E 1
9.50	1.5376570382 E 1	1.6669253820 E 1	3.0894529169 E 1	4.1853993165 E 1	5.7351131043 E 1
9.75	1.3770350164 E 1	1.4804256066 E 1	2.9841581732 E 1	4.0255537329 E 1	5.5668137587 E 1
10.00	1.2016886785 E 1	1.2832876486 E 1	2.8796480800 E 1	3.8614314443 E 1	5.3956837905 E 1
11.00	3.5396504459 E 0	3.8227055496 E 0	2.4501208744 E 1	3.1571917663 E 1	4.6912151112 E 1
12.00	-7.1771805334 E 0	-7.0913729095 E 0	1.9347931025 E 1	2.3585425782 E 1	3.9649837472 E 1
13.00	-2.0010173497 E 1	-1.9986536458 E 1	1.2311595723 E 1	1.434188825 E 1	3.3244616597 E 1
14.00	-3.4896473653 E 1	-3.4890403696 E 1	2.7283648085 E 0	3.5160487935 E 0	2.7143599003 E 1
15.00	-5.1810196365 E 1	-5.1808725615 E 1	-9.4052950699 E 0	-9.1430802538 E 0	2.0749323056 E 1
16.00	-7.0740639230 E 1	-7.0740299275 E 1	-2.3857026920 E 1	-2.3778389894 E 1	1.2790324241 E 1
17.00	-9.1682687539 E 1	-9.1682612016 E 1	-4.0469298956 E 1	-4.04447453036 E 1	2.2268085194 E 0
18.00	-1.146334201 E 2	-1.1463341201 E 2	-5.9168450579 E 1	-5.9162936885 E 1	-1.1167115724 E 1
19.00	-1.3959095783 E 2	-1.3959095445 E 2	-7.9922401655 E 1	-7.9920979391 E 1	-2.7114985757 E 1
20.00	-1.6655392690 E 2	-1.6655392621 E 2	-1.0271445938 E 2	-1.0271411983 E 2	-4.5360792180 E 1

TABLE 16a - Oblate Eigenvalues  $\lambda_{5H}$

C	N=10	N=11	N=12	N=13	N=14
0.25	1.0997582937 E 2	1.3197464288 E 2	1.5597373200 E 2	1.8197301741 E 2	2.0997244644 E 2
0.50	1.0990331580 E 2	1.3189457184 E 2	1.5589492950 E 2	1.8189207180 E 2	2.0988978823 E 2
0.75	1.0978245421 E 2	1.3177178786 E 2	1.5576359696 E 2	1.8175716955 E 2	2.0975203277 E 2
1.00	1.0961323641 E 2	1.3159429271 E 2	1.5557974191 E 2	1.8156832141 E 2	2.0955919247 E 2
1.25	1.0939565131 E 2	1.3136608918 E 2	1.5534337510 E 2	1.8132554256 E 2	2.0931128475 E 2
1.50	1.0912968546 E 2	1.3108718133 E 2	1.550451069 E 2	1.8102885271 E 2	2.0900633220 E 2
1.75	1.0881532353 E 2	1.3075757495 E 2	1.5471316651 E 2	1.8067827635 E 2	2.0865036268 E 2
2.00	1.0845254907 E 2	1.3037727791 E 2	1.5431936436 E 2	1.8027384291 E 2	2.0823740942 E 2
2.25	1.0804134527 E 2	1.2994633083 E 2	1.5387313038 E 2	1.7981558699 E 2	2.0776951126 E 2
2.50	1.0758169600 E 2	1.2946445761 E 2	1.53374449550 E 2	1.7930334872 E 2	2.0724671281 E 2
2.75	1.0707358678 E 2	1.2893236620 E 2	1.5282349584 E 2	1.7873777398 E 2	2.0666906468 E 2
3.00	1.0651700611 E 2	1.2834944937 E 2	1.5222017333 E 2	1.7811831485 E 2	2.0603662370 E 2
3.25	1.0591194672 E 2	1.2771593560 E 2	1.5156457621 E 2	1.7744522996 E 2	2.0534945323 E 2
3.50	1.0525840714 E 2	1.2703186002 E 2	1.5085675973 E 2	1.7671858489 E 2	2.0460762344 E 2
3.75	1.0455639323 E 2	1.2629726545 E 2	1.5009678677 E 2	1.7593845269 E 2	2.0381121160 E 2
4.00	1.0380591996 E 2	1.2551220353 E 2	1.4928472860 E 2	1.7510491431 E 2	2.0296030246 E 2
4.25	1.0300701331 E 2	1.2467673587 E 2	1.4842066567 E 2	1.7421805918 E 2	2.0205498859 E 2
4.50	1.0215971221 E 2	1.2379093535 E 2	1.4750468841 E 2	1.7327799570 E 2	2.0109537074 E 2
4.75	1.0126407073 E 2	1.2285488743 E 2	1.4653368910 E 2	1.7228480190 E 2	2.0008155827 E 2
5.00	1.0032016030 E 2	1.2186869156 E 2	1.4551740779 E 2	1.7123862599 E 2	1.9901366959 E 2
5.25	9.9328072065 E 1	1.2083246263 E 2	1.4444634326 E 2	1.7013958700 E 2	1.9789183254 E 2
5.50	9.8287919410 E 1	1.19746333254 E 2	1.4332384400 E 2	1.6898782549 E 2	1.9671618488 E 2
5.75	9.7199840543 E 1	1.1861045179 E 2	1.4215006424 E 2	1.6778349422 E 2	1.9548687460 E 2
6.00	9.606401208 E 1	1.1742499111 E 2	1.4092517403 E 2	1.665267583 E 2	1.9420406136 E 2
6.25	9.4880597497 E 1	1.1619014322 E 2	1.3964936035 E 2	1.6521779866 E 2	1.9286791501 E 2
6.50	9.3549858770 E 1	1.1490612459 E 2	1.3832262824 E 2	1.6385060741 E 2	1.9147861814 E 2
6.75	9.2372050665 E 1	1.1357317727 E 2	1.3694580199 E 2	1.6244399403 E 2	1.9003636562 E 2
7.00	9.1047478197 E 1	1.1219157083 E 2	1.3551852632 E 2	1.6097958346 E 2	1.8854136534 E 2
7.25	8.9676488927 E 1	1.1076160430 E 2	1.3404126770 E 2	1.5946381748 E 2	1.8699303877 E 2
7.50	8.8259476193 E 1	1.0928360821 E 2	1.3251431556 E 2	1.5789695558 E 2	1.8539402160 E 2
7.75	8.6796882358 E 1	1.0775794671 E 2	1.3093798364 E 2	1.5627927582 E 2	1.8374216429 E 2
8.00	8.5289202035 E 1	1.0618501981 E 2	1.2931261140 E 2	1.5461107576 E 2	1.8203853274 E 2
8.25	8.3736985208 E 1	1.0456526566 E 2	1.2763856536 E 2	1.52861267335 E 2	1.8028340889 E 2
8.50	8.2140840127 E 1	1.0289916308 E 2	1.2591624061 E 2	1.5112440794 E 2	1.7847709137 E 2
8.75	8.0501435824 E 1	1.0118723418 E 2	1.2414606230 E 2	1.4930664121 E 2	1.7661989624 E 2
9.00	7.8819503986 E 1	9.9730047266 E 1	1.2232848724 E 2	1.4743975827 E 2	1.7471215758 E 2
9.25	7.7095383983 E 1	9.7628220058 E 1	1.2046400552 E 2	1.4552416865 E 2	1.7275422833 E 2
9.50	7.5331301874 E 1	9.5782423367 E 1	1.1855314222 E 2	1.4356030747 E 2	1.7074448091 E 2
9.75	7.3526808964 E 1	9.3893385322 E 1	1.1659645923 E 2	1.4154863656 E 2	1.6868930809 E 2
10.00	7.1683335644 E 1	9.1961896425 E 1	1.1459455711 E 2	1.3948964571 E 2	1.6658312372 E 2
11.00	6.3940446821 E 1	8.3829814230 E 1	1.0614823316 E 2	1.3079133146 E 2	1.5767733471 E 2
12.00	5.5655563538 E 1	7.5103904625 E 1	9.732869877 E 1	1.2138331180 E 2	1.4602656294 E 2
13.00	4.6866131477 E 1	6.5892557584 E 1	8.7324627153 E 1	1.1131379523 E 2	1.37669480573 E 2
14.00	3.7523894920 E 1	5.6387301581 E 1	7.7082324174 E 1	1.0064370460 E 2	1.2665300542 E 2
15.00	2.7440950945 E 1	4.6948562940 E 1	6.5389229121 E 1	8.9453052133 E 1	1.1501391448 E 2
16.00	1.6294954253 E 0	3.8118291752 E 1	5.5300242491 E 1	7.7857046620 E 1	1.0288060614 E 2
17.00	3.7101488835 E 0	3.0169774483 E 1	4.3791710905 E 1	6.6047113791 E 1	9.0273136633 E 1
18.00	-1.0635072383 E 1	2.2438770254 E 1	3.1699522300 E 1	5.4374866619 E 1	7.7296356827 E 1
19.00	-2.6944465044 E 1	1.3515951143 E 1	1.87048378614 E 1	4.3408378614 E 1	6.4015495714 E 1
20.00	-4.5310355866 E 1	2.0436788957 E 0	4.401847997 E 0	3.3590786844 E 1	5.0424560263 E 1

TABLE 17 - Onsets Eigenvalues

C	N=6	N=7	N=8	N=9	N=10
0.25	4.1995832379 E 1	5.5988768830 E 1	7.1984428480 E 1	8.9981266639 E 1	1.0997897546 E 2
0.50	4.1983318059 E 1	5.5955744206 E 1	7.1937697796 E 1	8.9925056152 E 1	1.0991589574 E 2
0.75	4.1962422529 E 1	5.590052641 E 1	7.1859759580 E 1	8.9831337378 E 1	1.0981074254 E 2
1.00	4.1933087830 E 1	5.5823077841 E 1	7.1750533267 E 1	8.9700048560 E 1	1.0966348566 E 2
1.25	4.1895231889 E 1	5.5723159923 E 1	7.1609906163 E 1	8.9531147630 E 1	1.0947408299 E 2
1.50	4.1848747549 E 1	5.5600644681 E 1	7.1437733572 E 1	8.9324512580 E 1	1.0924248117 E 2
1.75	4.1793501301 E 1	5.5455291656 E 1	7.1233838983 E 1	8.9080042011 E 1	1.0896841594 E 2
2.00	4.1729331664 E 1	5.5286813065 E 1	7.0998014350 E 1	8.8797605782 E 1	1.0865241272 E 2
2.25	4.1656047183 E 1	5.5094871496 E 1	7.0730020505 E 1	8.8477055836 E 1	1.0829378741 E 2
2.50	4.1573423997 E 1	5.4879077604 E 1	7.0429587732 E 1	8.8118227196 E 1	1.0789264721 E 2
2.75	4.1481202902 E 1	5.4638987352 E 1	7.0096416578 E 1	8.7720939162 E 1	1.0744889162 E 2
3.00	4.1379085854 E 1	5.4374098849 E 1	6.9730178955 E 1	8.7284996725 E 1	1.0696241354 E 2
3.25	4.1266731787 E 1	5.4083084874 E 1	6.9330519621 E 1	8.6810192229 E 1	1.0643310070 E 2
3.50	4.1143751653 E 1	5.3767608156 E 1	6.8897058171 E 1	8.629307319 E 1	1.058083668 E 2
3.75	4.1009702526 E 1	5.3424678079 E 1	6.8429391637 E 1	8.5743115192 E 1	1.0524550374 E 2
4.00	4.0864480592 E 1	5.3054284276 E 1	6.792709910 E 1	8.5150383194 E 1	1.0458098254 E 2
4.25	4.0706312815 E 1	5.2655571577 E 1	6.7389740157 E 1	8.4517875802 E 1	1.0388315621 E 2
4.50	4.0535746993 E 1	5.2227597579 E 1	6.6816872522 E 1	8.3845358002 E 1	1.0313991137 E 2
4.75	4.0351639890 E 1	5.1769325715 E 1	6.6208047427 E 1	8.3132599118 E 1	1.0235114091 E 2
5.00	4.0153143022 E 1	5.127921657 E 1	6.5562824872 E 1	8.2379377098 E 1	1.0151874652 E 2
5.25	3.9939285608 E 1	5.0757225069 E 1	6.4800784237 E 1	8.1585403266 E 1	1.0044264155 E 2
5.50	3.9708954056 E 1	5.0200780486 E 1	6.4161539194 E 1	8.0750727540 E 1	9.972754015 E 1
5.75	3.946867265 E 1	4.960878878 E 1	6.3404756466 E 1	7.9874944087 E 1	9.9079029916 E 1
6.00	3.9193546820 E 1	4.8979615107 E 1	6.2610179340 E 1	7.8957997336 E 1	9.7751436751 E 1
6.25	3.8905281040 E 1	4.8311476295 E 1	6.1777656768 E 1	7.7999786258 E 1	9.6099967259 E 1
6.50	3.8594081630 E 1	4.7602429123 E 1	6.0907180708 E 1	7.700026725 E 1	9.5404443430 E 1
6.75	3.8257631585 E 1	4.6850359660 E 1	5.9998928832 E 1	7.5959407724 E 1	9.4485520778 E 1
7.00	3.789322918 E 1	4.6052972760 E 1	5.9053271009 E 1	7.4877277071 E 1	9.3282492912 E 1
7.25	3.7497682920 E 1	4.520782325 E 1	5.8071083798 E 1	7.3753976190 E 1	9.2052496449 E 1
7.50	3.7067288159 E 1	4.4312102901 E 1	5.7053327886 E 1	7.25898675593 E 1	9.0786516352 E 1
7.75	3.6597666529 E 1	4.3363043327 E 1	5.6001436635 E 1	7.1384408937 E 1	8.9473591790 E 1
8.00	3.6083689784 E 1	4.2357503281 E 1	5.4918163337 E 1	7.0139073038 E 1	8.8117822712 E 1
8.25	3.5519362693 E 1	4.1292173697 E 1	5.3805730793 E 1	6.8853419854 E 1	8.6719577349 E 1
8.50	3.4897720717 E 1	4.016352108 E 1	5.2667920988 E 1	6.7528044432 E 1	8.5279301003 E 1
8.75	3.4210756286 E 1	3.8967904001 E 1	5.1509134290 E 1	6.6163377496 E 1	8.3797526570 E 1
9.00	3.3449403768 E 1	3.7701381187 E 1	5.0334587472 E 1	6.4759841190 E 1	8.2274887430 E 1
9.25	3.2603622465 E 1	3.6359947969 E 1	4.9150218388 E 1	6.3317856964 E 1	8.0712133491 E 1
9.50	3.1662620046 E 1	3.4939465551 E 1	4.7962397839 E 1	6.1837495307 E 1	7.9110151430 E 1
9.75	3.0615247280 E 1	3.343574546 E 1	4.677584463 E 1	6.0319429543 E 1	7.7449990398 E 1
10.00	2.9450561019 E 1	3.184449772 E 1	4.5681644128 E 1	5.8763680715 E 1	7.5792604717 E 1
11.00	2.3443315270 E 1	2.4522530697 E 1	4.1445240652 E 1	5.2152435793 E 1	6.0749514008 E 1
12.00	1.5095080554 E 1	1.5495032822 E 1	3.4554424348 E 1	4.4853419979 E 1	4.1393798899 E 1
13.00	4.4617694756 E 0	4.5905998417 E 0	3.1419056349 E 1	3.6677213712 E 1	5.3773805906 E 1
14.00	-8.3210361428 E 0	-8.2834561791 E 0	2.4621553031 E 1	2.7329202435 E 1	4.4434524955 E 1
15.00	-2.3174321111 E 1	-2.3144151217 E 1	1.5351731341 E 1	1.6480440895 E 1	4.0101258522 E 1
16.00	-4.0063658627 E 1	-4.0061046404 E 1	3.4558624985 E 0	3.8534204592 E 0	3.3585213400 E 1
17.00	-5.8974541445 E 1	-5.8973912580 E 1	-1.0845104023 E 1	-1.0718707333 E 1	2.5674104404 E 1
18.00	-7.9900175833 E 1	-7.990029511 E 1	-2.7357780041 E 1	-2.7320844457 E 1	1.5774274974 E 1
19.00	-1.0283680276 E 2	-1.0283676991 E 2	-4.5983792984 E 1	-4.5973703380 E 1	2.7681577427 E 0
20.00	-1.2778201455 E 2	-1.2778200741 E 2	-6.6678924280 E 1	-6.6674302317 E 1	-1.2888551732 E 1

TABLE 17a - Oblate Eigenvalues  $\lambda_{GH}$

C	N=11	N=12	N=13	N=14	N=15
0.25	1.3197726163 E 2	1.5590378253 E 2	1.8197491379 E 2	2.0997408907 E 2	2.3997341964 E 2
0.50	1.3190904337 E 2	1.5590378253 E 2	1.8189965514 E 2	2.0989635706 E 2	2.3989367984 E 2
0.75	1.3179533568 E 2	1.5578350599 E 2	1.8177422402 E 2	2.0976680629 E 2	2.3976078440 E 2
1.00	1.3163612286 E 2	1.5561511918 E 2	1.8159862043 E 2	2.0958544070 E 2	2.3957473971 E 2
1.25	1.3143136320 E 2	1.5539858667 E 2	1.8137284454 E 2	2.0935226591 E 2	2.393355477 E 2
1.50	1.3118108927 E 2	1.5513392503 E 2	1.8109689683 E 2	2.0906728934 E 2	2.3904324132 E 2
1.75	1.3088520834 E 2	1.5482111305 E 2	1.8077077829 E 2	2.0873052034 E 2	2.3869781388 E 2
2.00	1.3054370280 E 2	1.5446013711 E 2	1.8039449066 E 2	2.0834197036 E 2	2.3829928996 E 2
2.25	1.3015653073 E 2	1.5405098255 E 2	1.7996803673 E 2	2.0790165321 E 2	2.3784769012 E 2
2.50	1.2972364654 E 2	1.5359363416 E 2	1.7949142066 E 2	2.0740958521 E 2	2.3734303819 E 2
2.75	1.2924500171 E 2	1.5308807672 E 2	1.7896464832 E 2	2.0686578551 E 2	2.3678536146 E 2
3.00	1.2872054562 E 2	1.5253429552 E 2	1.7838772780 E 2	2.0627027640 E 2	2.3617469088 E 2
3.25	1.2815022648 E 2	1.5193227712 E 2	1.7776066976 E 2	2.0562308360 E 2	2.3551104120 E 2
3.50	1.2753399233 E 2	1.5128200996 E 2	1.7708348801 E 2	2.0492423662 E 2	2.3479451170 E 2
3.75	1.268719223 E 2	1.5058348523 E 2	1.7635620095 E 2	2.0417376918 E 2	2.3402508556 E 2
4.00	1.2616357742 E 2	1.4983669765 E 2	1.7557882762 E 2	2.0337171961 E 2	2.3320283104 E 2
4.25	1.2540930271 E 2	1.4904164644 E 2	1.7475139737 E 2	2.0251813128 E 2	2.3232780138 E 2
4.50	1.2460892794 E 2	1.4819833628 E 2	1.7387394151 E 2	2.0161305308 E 2	2.3140005519 E 2
4.75	1.2376241948 E 2	1.4730677831 E 2	1.7294649857 E 2	2.0065653996 E 2	2.3041965685 E 2
5.00	1.2286775194 E 2	1.4636699130 E 2	1.7196911407 E 2	1.99648665339 E 2	2.2938667685 E 2
5.25	1.2193090995 E 2	1.4537900278 E 2	1.7094184142 E 2	1.9858946197 E 2	2.2830119220 E 2
5.50	1.2094589001 E 2	1.4434285030 E 2	1.6986474268 E 2	1.9747904198 E 2	2.2716328684 E 2
5.75	1.1991470255 E 2	1.4325858270 E 2	1.6873788945 E 2	1.9631747801 E 2	2.2597305209 E 2
6.00	1.1883737397 E 2	1.4212626147 E 2	1.6756136379 E 2	1.9510486356 E 2	2.2473058705 E 2
6.25	1.1771394892 E 2	1.4094596218 E 2	1.6633525917 E 2	1.9384130172 E 2	2.2343599913 E 2
6.50	1.165449258 E 2	1.3971777595 E 2	1.6505968145 E 2	1.9252690585 E 2	2.220940447 E 2
6.75	1.1532909311 E 2	1.3844181096 E 2	1.6373474986 E 2	1.9116180024 E 2	2.2069928445 E 2
7.00	1.1406786418 E 2	1.3711819409 E 2	1.6236059812 E 2	1.8974612088 E 2	2.1924070624 E 2
7.25	1.1276094759 E 2	1.3574707250 E 2	1.6093737546 E 2	1.8828001619 E 2	2.1773888326 E 2
7.50	1.1140851603 E 2	1.3432861539 E 2	1.5946524778 E 2	1.8676364776 E 2	2.1618561578 E 2
7.75	1.1001077586 E 2	1.3286301574 E 2	1.5794439877 E 2	1.8519719117 E 2	2.1458107143 E 2
8.00	1.0856797006 E 2	1.3135049211 E 2	1.5637503114 E 2	1.8358083678 E 2	2.1292542981 E 2
8.25	1.0708038121 E 2	1.2979129055 E 2	1.5475736776 E 2	1.8191479054 E 2	2.1121888302 E 2
8.50	1.0554833455 E 2	1.2818568056 E 2	1.5309165301 E 2	1.8019927489 E 2	2.0946163632 E 2
8.75	1.0397220104 E 2	1.2653398704 E 2	1.5137815397 E 2	1.7843452959 E 2	2.0765390868 E 2
9.00	1.0235240050 E 2	1.2483653251 E 2	1.4961716183 E 2	1.7662081262 E 2	2.0579593345 E 2
9.25	1.0068940461 E 2	1.2309369922 E 2	1.4780899322 E 2	1.7475840111 E 2	2.0388795896 E 2
9.50	9.8983739837 E 1	1.2130590157 E 2	1.4595399161 E 2	1.7284759227 E 2	2.0193024924 E 2
9.75	9.7235990026 E 1	1.1947359454 E 2	1.4405252881 E 2	1.7088870438 E 2	1.9992308462 E 2
10.00	9.5446798601 E 1	1.1759727643 E 2	1.4210500646 E 2	1.6888207780 E 2	1.9786676248 E 2
11.00	8.7890620000 E 1	1.0966355111 E 2	1.3386348925 E 2	1.6038582325 E 2	1.8915648276 E 2
12.00	7.9738042679 E 1	1.010720076 E 2	1.2492604271 E 2	1.5115946144 E 2	1.7968840587 E 2
13.00	7.1051201821 E 1	9.1906870441 E 1	1.1533646603 E 2	1.4123789228 E 2	1.6949141966 E 2
14.00	6.1874884322 E 1	8.2241891278 E 1	1.0515083507 E 2	1.306517051 E 2	1.5860098158 E 2
15.00	5.2185482929 E 1	7.2247832316 E 1	9.4438112495 E 1	1.1949711107 E 2	1.4706036144 E 2
16.00	4.1833519888 E 1	6.223143684 E 1	8.2274921359 E 1	1.0780643834 E 2	1.3492220877 E 2
17.00	3.0529103294 E 1	5.2702069775 E 1	7.1724758418 E 1	9.5695174256 E 1	1.2225029143 E 2
18.00	1.7901348495 E 1	4.4093810809 E 1	5.9791593612 E 1	8.3326091342 E 1	1.0912028452 E 2
19.00	3.6020150335 E 0	3.6020150335 E 0	4.7357338711 E 1	7.0992543308 E 1	9.5615778425 E 1
20.00	-1.2613540181 E 1	2.7324457908 E 1	3.4147769836 E 1	5.9204143818 E 1	8.1810824390 E 1



TABLE 18 - Oblate Eigenvalues

C	N=7	N=8	N=9	N=10	N=11
0.25	5.5996322859 E 1	7.1990130276 E 1	8.9985818225 E 1	1.0998269371 E 2	1.3198035662 E 2
0.50	5.5985283391 E 1	7.1960505471 E 1	8.9943259668 E 1	1.0993079540 E 2	1.3192142021 E 2
0.75	5.596857380 E 1	7.1911078584 E 1	8.9872284624 E 1	1.0984418665 E 2	1.3182317201 E 2
1.00	5.5941004215 E 1	7.1844770973 E 1	8.9772826890 E 1	1.0972291024 E 2	1.3168580885 E 2
1.25	5.5907666510 E 1	7.1752471893 E 1	8.9644793733 E 1	1.0956687019 E 2	1.3150860320 E 2
1.50	5.5866769558 E 1	7.1643037837 E 1	8.9488065842 E 1	1.0937598202 E 2	1.3129213382 E 2
1.75	5.5818220617 E 1	7.1513291682 E 1	8.9302497287 E 1	1.0915014290 E 2	1.3103225525 E 2
2.00	5.5761908000 E 1	7.1353201627 E 1	8.9087915469 E 1	1.0888923206 E 2	1.3074073891 E 2
2.25	5.5697699970 E 1	7.1191979916 E 1	8.8844121213 E 1	1.0859311108 E 2	1.304554519 E 2
2.50	5.5625443395 E 1	7.0999881329 E 1	8.8570888601 E 1	1.0826162444 E 2	1.3003057397 E 2
2.75	5.5544962158 E 1	7.076401432 E 1	8.8267965277 E 1	1.0789460002 E 2	1.2961571527 E 2
3.00	5.5456055266 E 1	7.051174560 E 1	8.7935072537 E 1	1.0749184984 E 2	1.2916084987 E 2
3.25	5.5358494629 E 1	7.0293791532 E 1	8.7571905672 E 1	1.0705317085 E 2	1.2866585012 E 2
3.50	5.5252022460 E 1	7.0013797053 E 1	8.7178134457 E 1	1.0657834591 E 2	1.2813058082 E 2
3.75	5.5136348221 E 1	6.971068798 E 1	8.6753403870 E 1	1.0606714489 E 2	1.2755490018 E 2
4.00	5.5011145050 E 1	6.9383904147 E 1	8.6297335088 E 1	1.0551932602 E 2	1.2693866095 E 2
4.25	5.4876045585 E 1	6.9032836540 E 1	8.5809522687 E 1	1.0493463743 E 2	1.2628171144 E 2
4.50	5.4730637052 E 1	6.865681425 E 1	8.5289557418 E 1	1.0431281894 E 2	1.2558389794 E 2
4.75	5.4574455512 E 1	6.8255091765 E 1	8.4735986784 E 1	1.0365360410 E 2	1.2484506418 E 2
5.00	5.4406979079 E 1	6.7826871084 E 1	8.4151360106 E 1	1.0295672260 E 2	1.2406505506 E 2
5.25	5.4227619930 E 1	6.7371267999 E 1	8.3532211728 E 1	1.0222190291 E 2	1.2324371745 E 2
5.50	5.4035714645 E 1	6.6887320234 E 1	8.2879070510 E 1	1.0144887539 E 2	1.2238090245 E 2
5.75	5.3830574004 E 1	6.6373978069 E 1	8.2191466608 E 1	1.0063737569 E 2	1.2147646756 E 2
6.00	5.3611616663 E 1	6.5830097223 E 1	8.1468940061 E 1	9.9787148018 E 1	1.2053027905 E 2
6.25	5.3376710272 E 1	6.5254431141 E 1	8.0711051635 E 1	9.8897952384 E 1	1.1954221459 E 2
6.50	5.3126041506 E 1	6.4645622718 E 1	7.9917394445 E 1	9.7969563264 E 1	1.1851216599 E 2
6.75	5.2857903566 E 1	6.4002195458 E 1	7.9087420994 E 1	9.7001780637 E 1	1.1744004221 E 2
7.00	5.2570853968 E 1	6.322544149 E 1	7.8221444403 E 1	9.5994432350 E 1	1.1632577256 E 2
7.25	5.2263232915 E 1	6.2604925122 E 1	7.7318684722 E 1	9.4947380316 E 1	1.1516931013 E 2
7.50	5.1933124211 E 1	6.1847446254 E 1	7.6379291378 E 1	9.3860526208 E 1	1.1397063545 E 2
7.75	5.1578308522 E 1	6.1048056906 E 1	7.5403384910 E 1	9.2733817050 E 1	1.1272976041 E 2
8.00	5.1196207780 E 1	6.0204538075 E 1	7.4391305181 E 1	9.1567250429 E 1	1.1144673245 E 2
8.25	5.0783819567 E 1	5.9314493121 E 1	7.3343669194 E 1	9.0360878969 E 1	1.1012163909 E 2
8.50	5.0337440668 E 1	5.8375339542 E 1	7.2261439257 E 1	8.9114813589 E 1	1.0875461280 E 2
8.75	4.9853579760 E 1	5.7384302383 E 1	7.1146001420 E 1	8.7829224992 E 1	1.0734583641 E 2
9.00	4.9326860766 E 1	5.6338409963 E 1	6.9999252540 E 1	8.6504342662 E 1	1.0589554909 E 2
9.25	4.8751921027 E 1	5.5234492737 E 1	6.8823691606 E 1	8.5140450584 E 1	1.0440405316 E 2
9.50	4.8122312742 E 1	5.4069186204 E 1	6.7622506600 E 1	8.3737878798 E 1	1.0287172200 E 2
9.75	4.7430622283 E 1	5.2838938771 E 1	6.6399641911 E 1	8.2296989859 E 1	1.0129900938 E 2
10.00	4.6668430001 E 1	5.1540025531 E 1	6.5159823185 E 1	8.0818159307 E 1	9.9686460778 E 1
11.00	4.2716086175 E 1	4.5578499835 E 1	6.0146695765 E 1	7.4529712863 E 1	9.2852908196 E 1
12.00	3.6829461881 E 1	3.8195322951 E 1	5.5298254249 E 1	6.7643723071 E 1	8.5462787062 E 1
13.00	2.8609890769 E 1	2.9146623958 E 1	5.0598988656 E 1	6.0101720835 E 1	7.7654570266 E 1
14.00	1.8065969487 E 1	1.8248549588 E 1	4.5435900634 E 1	5.1737581920 E 1	6.9707662869 E 1
15.00	5.3381117715 E 0	5.3941528055 E 0	3.8824862516 E 1	4.2276474472 E 1	6.2077074424 E 1
16.00	-9.4792913541 E 0	-9.4633751422 E 0	2.9855340976 E 1	3.1391959709 E 1	5.5093583114 E 1
17.00	-2.6342424054 E 1	-2.6338175478 E 1	1.8214401585 E 1	1.8790760461 E 1	4.8374329061 E 1
18.00	-4.5232422366 E 1	-4.5231314431 E 0	-0.812314431 E 0	4.2729108870 E 0	4.0812058933 E 1
19.00	-6.6140548243 E 1	-6.6140286468 E 1	-1.2321345130 E 1	-1.2262854646 E 1	3.1123705583 E 1
20.00	-8.9062091990 E 1	-8.9062030815 E 1	-3.0868083083 E 1	-3.08651381482 E 1	1.8567509987 E 1

TABLE 18a - Oblique Eigenvalues

A7N

C	N=12	N=13	N=14	N=15	N=16
0.25	1.5597856247 E 2	1.8197715499 E 2	2.0997603038 E 2	2.3997511754 E 2	2.7197436639 E 2
0.50	1.5591424604 E 2	1.8190861780 E 2	2.0990412056 E 2	2.3990047001 E 2	2.7189746597 E 2
0.75	1.5580703911 E 2	1.8179438195 E 2	2.0978426762 E 2	2.3977605695 E 2	2.7176929996 E 2
1.00	1.5565692247 E 2	1.8163443674 E 2	2.0961646678 E 2	2.3960187765 E 2	2.7158987042 E 2
1.25	1.5546386939 E 2	1.8142876731 E 2	2.0940071143 E 2	2.3937793120 E 2	2.7135918031 E 2
1.50	1.5522784586 E 2	1.8117735484 E 2	2.0913699332 E 2	2.3910421657 E 2	2.7107723353 E 2
1.75	1.5494881080 E 2	1.80882530261 E 2	2.0882530261 E 2	2.3878073276 E 2	2.7074403506 E 2
2.00	1.5462671635 E 2	1.8053720671 E 2	2.0846562816 E 2	2.3840747887 E 2	2.7035959099 E 2
2.25	1.5426150830 E 2	1.801484548 E 2	2.0805795768 E 2	2.3798445435 E 2	2.6992390870 E 2
2.50	1.5385312644 E 2	1.7971377065 E 2	2.0760227800 E 2	2.3751165913 E 2	2.6943699699 E 2
2.75	1.5340150510 E 2	1.7923323732 E 2	2.0709857535 E 2	2.3698909384 E 2	2.6889886622 E 2
3.00	1.5290657367 E 2	1.7870677847 E 2	2.0654683571 E 2	2.3641676009 E 2	2.6830952853 E 2
3.25	1.5236825725 E 2	1.7813435543 E 2	2.0594704511 E 2	2.3579466067 E 2	2.676689797 E 2
3.50	1.5178647732 E 2	1.7751592843 E 2	2.0529919010 E 2	2.3512279991 E 2	2.6697729081 E 2
3.75	1.5116115234 E 2	1.7685145712 E 2	2.0460325808 E 2	2.3440118394 E 2	2.6623442569 E 2
4.00	1.5049219955 E 2	1.7614090124 E 2	2.0385923785 E 2	2.3362982106 E 2	2.6544042192 E 2
4.25	1.4977953394 E 2	1.7538422128 E 2	2.0306712003 E 2	2.3280872209 E 2	2.6459330974 E 2
4.50	1.4902307122 E 2	1.7458137924 E 2	2.0222689766 E 2	2.3193790079 E 2	2.6369511061 E 2
4.75	1.4822272793 E 2	1.7373233936 E 2	2.0133856673 E 2	2.3101737423 E 2	2.6275185750 E 2
5.00	1.4737842281 E 2	1.7283706899 E 2	2.0040212676 E 2	2.3004716326 E 2	2.6175358524 E 2
5.25	1.4649007811 E 2	1.7189553950 E 2	1.9941758149 E 2	2.2902729295 E 2	2.6070433285 E 2
5.50	1.4555762090 E 2	1.7090772720 E 2	1.9838493953 E 2	2.2795779311 E 2	2.5960414390 E 2
5.75	1.4458098455 E 2	1.6987361444 E 2	1.9730421507 E 2	2.2683869878 E 2	2.5845306687 E 2
6.00	1.4356011032 E 2	1.6879319022 E 2	1.9617542861 E 2	2.2567005076 E 2	2.5725115554 E 2
6.25	1.4249494897 E 2	1.6766645223 E 2	1.9499860776 E 2	2.2445189616 E 2	2.5599846945 E 2
6.50	1.4138546254 E 2	1.6649340711 E 2	1.9377378805 E 2	2.2318428903 E 2	2.5469507424 E 2
6.75	1.4023162621 E 2	1.6527407209 E 2	1.9250101375 E 2	2.2186729089 E 2	2.5334104215 E 2
7.00	1.3903343022 E 2	1.6400847623 E 2	1.9118033880 E 2	2.2050097140 E 2	2.5193445243 E 2
7.25	1.3779088199 E 2	1.6269666177 E 2	1.8981182768 E 2	2.1908540900 E 2	2.5048139186 E 2
7.50	1.3653400822 E 2	1.61333868547 E 2	1.8839555638 E 2	2.1762069156 E 2	2.4897595517 E 2
7.75	1.3517285716 E 2	1.5993462009 E 2	1.8693161336 E 2	2.16106691709 E 2	2.4742024558 E 2
8.00	1.3379750098 E 2	1.5848455589 E 2	1.8542010059 E 2	2.1454419442 E 2	2.4581437529 E 2
8.25	1.3237803822 E 2	1.5698860221 E 2	1.8386113457 E 2	2.1293264395 E 2	2.4415846602 E 2
8.50	1.3091459632 E 2	1.5544688901 E 2	1.8225484738 E 2	2.1127239839 E 2	2.4245264951 E 2
8.75	1.2940733425 E 2	1.5385956861 E 2	1.8060138785 E 2	2.0956360352 E 2	2.4069704813 E 2
9.00	1.2785644529 E 2	1.5222681739 E 2	1.7890092265 E 2	2.0780641899 E 2	2.3889187537 E 2
9.25	1.2626215977 E 2	1.5054883755 E 2	1.7715363746 E 2	2.0600101912 E 2	2.3703723648 E 2
9.50	1.2462474799 E 2	1.4882585899 E 2	1.7535973819 E 2	2.0414759371 E 2	2.3513332903 E 2
9.75	1.2294452315 E 2	1.4705814122 E 2	1.7351945222 E 2	2.0224634894 E 2	2.3318034351 E 2
10.00	1.2122184425 E 2	1.4524597534 E 2	1.7163302964 E 2	2.0029750816 E 2	2.3117848396 E 2
11.00	1.1391553306 E 2	1.3755987968 E 2	1.6363184617 E 2	1.9203130592 E 2	2.2268689602 E 2
12.00	1.0597240554 E 2	1.2919566638 E 2	1.5491933131 E 2	1.8302654447 E 2	2.1343361134 E 2
13.00	9.7441775401 E 1	1.2019264560 E 2	1.4552508885 E 2	1.7350786839 E 2	2.0343964451 E 2
14.00	8.8382759643 E 1	1.1060729894 E 2	1.3549024388 E 2	1.6290704199 E 2	1.9273133051 E 2
15.00	7.8844357615 E 1	1.0052462697 E 2	1.2586514217 E 2	1.5186449814 E 2	1.8134127529 E 2
16.00	6.8821497911 E 1	9.0086741981 E 1	1.1371461461 E 2	1.4023164643 E 2	1.6930952753 E 2
17.00	5.8197871153 E 1	7.9556540435 E 1	1.0271268305 E 2	1.2807515481 E 2	1.5668505198 E 2
18.00	4.6717275236 E 1	6.9395659708 E 1	9.0127516500 E 1	1.1548673550 E 2	1.4352743675 E 2
19.00	3.4022340338 E 1	6.0121300215 E 1	7.7783168435 E 1	1.0240761714 E 2	1.2990909088 E 2
20.00	1.9748636726 E 1	5.1661412098 E 1	6.5000301386 E 1	8.94665313873 E 1	1.1590815084 E 2

TABLE 19 - Oniate Eigenvalues

C	N=8	N=9	N=10	N=11	N=12
0.25	7.1996710038 E 1	8.9991070438 E 1	1.0998698421 E 2	1.3198392767 E 2	1.5598158142 E 2
0.50	7.1986834286 E 1	8.9964269858 E 1	1.0994792600 E 2	1.319570507 E 2	1.5592632046 E 2
0.75	7.1970355105 E 1	8.9919562519 E 1	1.0988279270 E 2	1.318530042 E 2	1.5583419844 E 2
1.00	7.1947242940 E 1	8.9856888647 E 1	1.0979152988 E 2	1.317267792 E 2	1.5570518551 E 2
1.25	7.1917456098 E 1	8.977614132 E 1	1.0967406121 E 2	1.3159777688 E 2	1.5553923969 E 2
1.50	7.1880940417 E 1	8.9677280092 E 1	1.0953028840 E 2	1.3142052198 E 2	1.5533630725 E 2
1.75	7.1837628837 E 1	8.9560102312 E 1	1.0936009108 E 2	1.3121082132 E 2	1.5509632282 E 2
2.00	7.1787440868 E 1	8.9424470542 E 1	1.0917633269 E 2	1.3096876662 E 2	1.5481920942 E 2
2.25	7.1730281926 E 1	8.9270197660 E 1	1.0893983031 E 2	1.3069363331 E 2	1.5450487949 E 2
2.50	7.1666042552 E 1	8.9097068682 E 1	1.0868941455 E 2	1.3038586882 E 2	1.5415323420 E 2
2.75	7.1594597483 E 1	8.8904839610 E 1	1.0841186939 E 2	1.3004515276 E 2	1.5376416379 E 2
3.00	7.1515804559 E 1	8.8693236119 E 1	1.0810696208 E 2	1.2967127726 E 2	1.5333754892 E 2
3.25	7.1429503459 E 1	8.8461952058 E 1	1.077443703 E 2	1.2924067320 E 2	1.5287324041 E 2
3.50	7.1335514226 E 1	8.8210647761 E 1	1.0741401583 E 2	1.2882332144 E 2	1.5237115985 E 2
3.75	7.1233635560 E 1	8.7938948143 E 1	1.0702539722 E 2	1.2834882373 E 2	1.5183110029 E 2
4.00	7.1123642849 E 1	8.7644440581 E 1	1.0660825726 E 2	1.2784034502 E 2	1.5125224885 E 2
4.25	7.1005285887 E 1	8.732672538 E 1	1.0616224960 E 2	1.2729744335 E 2	1.5063647746 E 2
4.50	7.0878286240 E 1	8.6997148930 E 1	1.0568700590 E 2	1.2672044496 E 2	1.4998158374 E 2
4.75	7.0742334188 E 1	8.6639329205 E 1	1.0518213652 E 2	1.2610854530 E 2	1.4928607189 E 2
5.00	7.0597085195 E 1	8.6258624110 E 1	1.0464723144 E 2	1.2544161026 E 2	1.485576376 E 2
5.25	7.0442155794 E 1	8.5854392117 E 1	1.0408186159 E 2	1.2479377761 E 2	1.477847801 E 2
5.50	7.0277118805 E 1	8.5425935497 E 1	1.0348558061 E 2	1.2406155863 E 2	1.4697403134 E 2
5.75	7.0101497742 E 1	8.4972495984 E 1	1.0285792716 E 2	1.232785999 E 2	1.4612423997 E 2
6.00	6.9914760363 E 1	8.4493250036 E 1	1.0219442798 E 2	1.2251798593 E 2	1.4523492113 E 2
6.25	6.9716310923 E 1	8.3987303640 E 1	1.0150660179 E 2	1.2169164073 E 2	1.4430589476 E 2
6.50	6.9505481176 E 1	8.3536866637 E 1	1.0078196430 E 2	1.2082653147 E 2	1.4336989542 E 2
6.75	6.9281519873 E 1	8.2891346565 E 1	1.0002403458 E 2	1.199287115 E 2	1.4232802422 E 2
7.00	6.9043580135 E 1	8.2299141973 E 1	9.9232343059 E 2	1.1899088223 E 2	1.4127885108 E 2
7.25	6.8790704613 E 1	8.1675835220 E 1	9.8406441605 E 1	1.1801580040 E 2	1.4018951763 E 2
7.50	6.8521807823 E 1	8.1020084760 E 1	9.7545916097 E 1	1.1700287887 E 2	1.3905928082 E 2
7.75	6.8235655125 E 1	8.0330436920 E 1	9.6650402076 E 1	1.1595189284 E 2	1.378844163 E 2
8.00	6.7930837663 E 1	7.9605317243 E 1	9.5719604138 E 1	1.1486264440 E 2	1.3667728199 E 2
8.25	6.7605742473 E 1	7.8843021440 E 1	9.473319847 E 1	1.1373496753 E 2	1.3542513099 E 2
8.50	6.7258516859 E 1	7.8041706126 E 1	9.3751469072 E 1	1.1256873330 E 2	1.3413213750 E 2
8.75	6.688702597 E 1	7.7199379379 E 1	9.2714129759 E 1	1.1136385493 E 2	1.3279828021 E 2
9.00	6.6488802122 E 1	7.631389156 E 1	9.1641581158 E 1	1.1012029254 E 2	1.3142357070 E 2
9.25	6.6060988439 E 1	7.5382922647 E 1	9.0534355538 E 1	1.0883005740 E 2	1.3000405840 E 2
9.50	6.5600264393 E 1	7.4403993446 E 1	8.9393299093 E 1	1.0751721506 E 2	1.2855183471 E 2
9.75	6.5102773067 E 1	7.3374420630 E 1	8.8219642175 E 1	1.0615788714 E 2	1.2705503804 E 2
10.00	6.4544030652 E 1	7.2291350303 E 1	8.7015077828 E 1	1.0476025093 E 2	1.2551788932 E 2
11.00	6.4079811714 E 1	6.7360413122 E 1	8.1942360932 E 1	9.8791843878 E 1	1.1897135810 E 2
12.00	5.7942187033 E 1	6.1298636894 E 1	7.6674831421 E 1	9.2233556255 E 1	1.1161301126 E 2
13.00	5.2182012827 E 1	5.3653714155 E 1	7.1553470558 E 1	8.5091044808 E 1	1.0410283711 E 2
14.00	4.408405872 E 1	4.4780580247 E 1	6.6439450105 E 1	7.7319181779 E 1	9.5942872234 E 1
15.00	3.3638298533 E 1	3.3685679098 E 1	6.1414714689 E 1	6.8770250094 E 1	8.7640017111 E 1
16.00	2.0969674407 E 0	2.1049204239 E 1	5.4942260776 E 1	5.9189233403 E 1	7.9559974255 E 1
17.00	6.1908400759 E 0	6.231027905 E 1	4.6251027905 E 1	4.825858683 E 1	7.2125817537 E 1
18.00	-1.0644402515 E 1	-1.0637829255 E 1	3.4875788351 E 1	3.5671023026 E 1	6.5143634598 E 1
19.00	-2.9512355377 E 1	-2.9510619185 E 1	2.0926342644 E 1	2.1203589220 E 1	5.7634402954 E 1
20.00	-5.0402039865 E 1	-5.0401601418 E 1	4.6442698683 E 0	4.7523390011 E 0	4.8298125748 E 1

TABLE 19a - Oblate Eigenvalues

C	N=13	N=14	N=15	N=16	N=17
0.25	1.819797403 E 2	2.0997827038 E 2	2.3997707667 E 2	2.7197609440 E 2	3.0597527639 E 2
0.50	1.8191896003 E 2	2.0991307890 E 2	2.3990830512 E 2	2.7190437684 E 2	3.0590110537 E 2
0.75	1.8181764470 E 2	2.0980441763 E 2	2.3979368067 E 2	2.7178484499 E 2	3.057748632 E 2
1.00	1.8167577458 E 2	2.0965227342 E 2	2.39633319355 E 2	2.7161749502 E 2	3.0560441823 E 2
1.25	1.8149332116 E 2	2.0945662795 E 2	2.3942683898 E 2	2.7140232162 E 2	3.0538189977 E 2
1.50	1.8127024800 E 2	2.0921745788 E 2	2.3917459726 E 2	2.7113931811 E 2	3.0510992930 E 2
1.75	1.8100651089 E 2	2.0893473492 E 2	2.3887645384 E 2	2.7082847647 E 2	3.0478650495 E 2
2.00	1.8070205804 E 2	2.0860842609 E 2	2.3853238952 E 2	2.7046978750 E 2	3.0441762474 E 2
2.25	1.8035683031 E 2	2.0823849382 E 2	2.3814238256 E 2	2.7006324094 E 2	3.0399728664 E 2
2.50	1.7997076151 E 2	2.0782489627 E 2	2.3770640891 E 2	2.6960882559 E 2	3.0352748869 E 2
2.75	1.7954377870 E 2	2.0736758755 E 2	2.3722444239 E 2	2.6910652950 E 2	3.0300822915 E 2
3.00	1.7907580258 E 2	2.0686651805 E 2	2.3669645895 E 2	2.6855634017 E 2	3.0243950666 E 2
3.25	1.7856674785 E 2	2.0632163474 E 2	2.3612241694 E 2	2.6795824474 E 2	3.0182132034 E 2
3.50	1.7801652375 E 2	2.0573288160 E 2	2.3550229740 E 2	2.6731223022 E 2	3.0115367005 E 2
3.75	1.7742503448 E 2	2.0510019999 E 2	2.3483360638 E 2	2.6661828376 E 2	3.0043655652 E 2
4.00	1.7679217985 E 2	2.0442352912 E 2	2.3412368531 E 2	2.6587639291 E 2	2.9966998159 E 2
4.25	1.7611785582 E 2	2.0370280653 E 2	2.3336512736 E 2	2.6508654590 E 2	2.9885394045 E 2
4.50	1.7540195528 E 2	2.0293796884 E 2	2.3256035786 E 2	2.6424873198 E 2	2.9798846181 E 2
4.75	1.7464436869 E 2	2.0212895132 E 2	2.3170934472 E 2	2.6336294172 E 2	2.9707352826 E 2
5.00	1.7384498499 E 2	2.0127569048 E 2	2.3081205694 E 2	2.6242916741 E 2	2.9610915644 E 2
5.25	1.7300369242 E 2	2.0037812279 E 2	2.2986846506 E 2	2.6144740339 E 2	2.9509535741 E 2
5.50	1.7212037947 E 2	1.9943618633 E 2	2.2887854172 E 2	2.6041764448 E 2	2.9403214488 E 2
5.75	1.7119493596 E 2	1.9844982137 E 2	2.2784226221 E 2	2.5933989638 E 2	2.9291953559 E 2
6.00	1.7022725412 E 2	1.9741897120 E 2	2.2675960505 E 2	2.5821415613 E 2	2.9175754959 E 2
6.25	1.6921722974 E 2	1.9634358292 E 2	2.2563055265 E 2	2.5704043255 E 2	2.9054621063 E 2
6.50	1.6816476351 E 2	1.9522360840 E 2	2.2445509190 E 2	2.5581873673 E 2	2.8928554647 E 2
6.75	1.6706976234 E 2	1.9405900519 E 2	2.2323321490 E 2	2.5454908453 E 2	2.8797558933 E 2
7.00	1.6593714082 E 2	1.9284971356 E 2	2.2196491968 E 2	2.5323149711 E 2	2.8661337619 E 2
7.25	1.6475182272 E 2	1.9159577750 E 2	2.2065021091 E 2	2.5186600148 E 2	2.8520794927 E 2
7.50	1.6352874268 E 2	1.9029710587 E 2	2.1928910071 E 2	2.5045263104 E 2	2.8375635641 E 2
7.75	1.6226284787 E 2	1.8895371355 E 2	2.1788160944 E 2	2.4899142618 E 2	2.8224365152 E 2
8.00	1.6095409986 E 2	1.8756560259 E 2	2.1642776656 E 2	2.4748243491 E 2	2.8064789501 E 2
8.25	1.5960247646 E 2	1.8613278756 E 2	2.1492571342 E 2	2.4592571342 E 2	2.7908315426 E 2
8.50	1.5820797378 E 2	1.8465529679 E 2	2.1338119444 E 2	2.4432132680 E 2	2.7742959409 E 2
8.75	1.5677060830 E 2	1.8313317375 E 2	2.1178857753 E 2	2.4266934963 E 2	2.7572702726 E 2
9.00	1.5529041907 E 2	1.8156647846 E 2	2.1014983558 E 2	2.4096986674 E 2	2.7397581493 E 2
9.25	1.5376746999 E 2	1.7995528898 E 2	2.0846505713 E 2	2.3922297382 E 2	2.7217596721 E 2
9.50	1.5220185217 E 2	1.7829970290 E 2	2.0673434553 E 2	2.3742877825 E 2	2.7032759367 E 2
9.75	1.5059368643 E 2	1.7659983891 E 2	2.0495781994 E 2	2.3558739973 E 2	2.6843081389 E 2
10.00	1.4894312582 E 2	1.7485583845 E 2	2.0313561643 E 2	2.3369897112 E 2	2.6648575797 E 2
11.00	1.4192127410 E 2	1.6744219277 E 2	1.9539339987 E 2	2.2567791646 E 2	2.5822577621 E 2
12.00	1.3424357202 E 2	1.5934079685 E 2	1.86933640737 E 2	2.1691864902 E 2	2.4920692109 E 2
13.00	1.2594108914 E 2	1.5057567827 E 2	1.7778406578 E 2	2.0743776763 E 2	2.3944386769 E 2
14.00	1.1705889585 E 2	1.4118230431 E 2	1.6796346707 E 2	1.9725750834 E 2	2.2895560419 E 2
15.00	1.0765298397 E 2	1.3121198020 E 2	1.5751106282 E 2	1.8640689534 E 2	2.1776620967 E 2
16.00	9.7774517693 E 1	1.2074132774 E 2	1.4647452312 E 2	1.7492318874 E 2	2.0590576307 E 2
17.00	8.7432268327 E 1	1.0989563597 E 2	1.3491407094 E 2	1.6285396206 E 2	1.9341145119 E 2
18.00	7.6537982604 E 1	9.8902450582 E 1	1.2290068576 E 2	1.5026074874 E 2	1.8032895395 E 2
19.00	6.4868333770 E 1	8.8173169878 E 1	1.1050464195 E 2	1.3722696098 E 2	1.6571409262 E 2
20.00	5.2085221731 E 1	7.8253112813 E 1	9.7764315859 E 1	1.2387724231 E 2	1.5263424482 E 2

TABLE 20 -- Oblate Eigenvalues  $\lambda_{9N}$

C	N=9	N=10	N=11	N=12	N=13
0.25	8.9997023442 E 1	1.0999184705 E 2	1.3198797544 E 2	1.5598500341 E 2	1.8198267194 E 2
0.50	8.9988089364 E 1	1.0996737896 E 2	1.3195189277 E 2	1.5594000627 E 2	1.8193068216 E 2
0.75	8.9973184518 E 1	1.0992656793 E 2	1.3189172500 E 2	1.5586498645 E 2	1.8184401379 E 2
1.00	8.9952286732 E 1	1.0986936749 E 2	1.3180742711 E 2	1.5575990711 E 2	1.8172263879 E 2
1.25	8.9925364759 E 1	1.0979571227 E 2	1.3169893592 E 2	1.5562471665 E 2	1.8156651795 E 2
1.50	8.9892378078 E 1	1.0970551775 E 2	1.3156617012 E 2	1.5545934878 E 2	1.8137560098 E 2
1.75	8.9853276623 E 1	1.0959867985 E 2	1.3140903001 E 2	1.5526372256 E 2	1.8114982657 E 2
2.00	8.9808000445 E 1	1.0947507445 E 2	1.3122739745 E 2	1.5503774239 E 2	1.808912257 E 2
2.25	8.9756479305 E 1	1.0933455683 E 2	1.3102113564 E 2	1.5478129809 E 2	1.8059340606 E 2
2.50	8.9698632192 E 1	1.0917696101 E 2	1.3079008897 E 2	1.5449426501 E 2	1.8026258352 E 2
2.75	8.9634363746 E 1	1.0900209896 E 2	1.3053408280 E 2	1.5417650405 E 2	1.7989655107 E 2
3.00	8.9563578597 E 1	1.0880975971 E 2	1.3025292328 E 2	1.5382786184 E 2	1.7949519466 E 2
3.25	8.9486150597 E 1	1.0859970839 E 2	1.2994639710 E 2	1.5344817085 E 2	1.7905839032 E 2
3.50	8.9401951935 E 1	1.0837168502 E 2	1.2961427132 E 2	1.5303724959 E 2	1.7858600450 E 2
3.75	8.9310837120 E 1	1.0812540331 E 2	1.2925629317 E 2	1.5259490286 E 2	1.7817789437 E 2
4.00	8.9212644824 E 1	1.0786054921 E 2	1.2887218989 E 2	1.5212092198 E 2	1.7753390821 E 2
4.25	8.9107196551 E 1	1.075737932 E 2	1.2846166857 E 2	1.5161508518 E 2	1.7695388591 E 2
4.50	8.8994295116 E 1	1.0727371918 E 2	1.2802441613 E 2	1.5107715799 E 2	1.7633765937 E 2
4.75	8.8873722907 E 1	1.0695096127 E 2	1.2756009929 E 2	1.505068937 E 2	1.7568505315 E 2
5.00	8.8745239898 E 1	1.0660806294 E 2	1.2706683671 E 2	1.49990403425 E 2	1.7499588504 E 2
5.25	8.8608501362 E 1	1.0624454398 E 2	1.2654883922 E 2	1.4926831026 E 2	1.7426996679 E 2
5.50	8.8463455256 E 1	1.0585988406 E 2	1.2600113023 E 2	1.4859944258 E 2	1.7350710489 E 2
5.75	8.8309539209 E 1	1.0545351985 E 2	1.254248241 E 2	1.4789714289 E 2	1.7270710145 E 2
6.00	8.814647047 E 1	1.0502484186 E 2	1.2481949856 E 2	1.4716111490 E 2	1.7186975512 E 2
6.25	8.7973874787 E 1	1.0457319100 E 2	1.2418470093 E 2	1.4639105568 E 2	1.7099486226 E 2
6.50	8.7791295989 E 1	1.0409785480 E 2	1.2351997289 E 2	1.4558665719 E 2	1.7008221803 E 2
6.75	8.7598256367 E 1	1.0359806323 E 2	1.2282484118 E 2	1.4474760802 E 2	1.6913161775 E 2
7.00	8.7394217500 E 1	1.0307298422 E 2	1.2209882284 E 2	1.4387375936 E 2	1.6814285829 E 2
7.25	8.7178579551 E 1	1.0252171869 E 2	1.2134142894 E 2	1.4296430733 E 2	1.671573969 E 2
7.50	8.6950672599 E 1	1.0194529521 E 2	1.2055216933 E 2	1.4201943547 E 2	1.6605006681 E 2
7.75	8.6709746658 E 1	1.0133664418 E 2	1.1973055868 E 2	1.4103867767 E 2	1.6494565124 E 2
8.00	8.6454959779 E 1	1.0070069154 E 2	1.1887612399 E 2	1.4002174129 E 2	1.6380231327 E 2
8.25	8.6185364073 E 1	1.0003415205 E 2	1.1798841403 E 2	1.3896834674 E 2	1.6261988411 E 2
8.50	8.5899889177 E 1	9.9335722032 E 1	1.1706701105 E 2	1.3787823136 E 2	1.6139820820 E 2
8.75	8.5597322650 E 1	9.8603971713 E 1	1.1611154529 E 2	1.3675115337 E 2	1.6013714577 E 2
9.00	8.5276286731 E 1	9.7837357155 E 1	1.1512171282 E 2	1.3558689852 E 2	1.5883657555 E 2
9.25	8.4935210735 E 1	9.7034211812 E 1	1.1409729753 E 2	1.3438527453 E 2	1.5749639766 E 2
9.50	8.4572298302 E 1	9.6192737859 E 1	1.1303819789 E 2	1.3314613588 E 2	1.5611653675 E 2
9.75	8.4185488597 E 1	9.5310997411 E 1	1.1194445950 E 2	1.3186936841 E 2	1.5469694532 E 2
10.00	8.3772410517 E 1	9.4386903833 E 1	1.1081631427 E 2	1.3055490375 E 2	1.5323760731 E 2
11.00	8.175880485 E 1	9.0219614194 E 1	1.0597367278 E 2	1.2492043229 E 2	1.4700379504 E 2
12.00	7.904993724 E 1	8.5144340408 E 1	1.006803416 E 2	1.1869031820 E 2	1.4014391238 E 2
13.00	7.5193002803 E 1	7.900340393 E 1	9.5185309854 E 1	1.1188069590 E 2	1.3268321062 E 2
14.00	6.9504077001 E 1	7.1499581726 E 1	8.9808951432 E 1	1.0449920975 E 2	1.2467523996 E 2
15.00	6.1534447001 E 1	5.1504615129 E 1	8.44882257 E 1	9.6507773108 E 1	1.1622867644 E 2
16.00	5.11823534 E 1	3.8684163377 E 1	7.9366853441 E 1	8.777795038 E 1	1.0756315535 E 2
17.00	3.8575707902 E 1	2.8871555943 E 1	7.2991013349 E 1	7.8074317241 E 1	9.972141706 E 1
18.00	2.3838034520 E 1	1.70419023423 E 0	6.4550448894 E 1	6.7086742396 E 1	9.1198240125 E 1
19.00	7.0321973065 E 0	-1.1812670631 E 1	5.344544591 E 1	5.4503070856 E 1	8.3911283908 E 1
20.00	-1.1812670631 E 1	-1.181000809 E 1	3.9694005537 E 1	4.0079596921 E 1	7.6381303776 E 1

TABLE 20c - Oblate Eigenvalues  $\lambda_{9n}$

C	N=14	N=15	N=16	N=17	N=18
0.25	2.0998080909 E 2	2.3997929704 E 2	2.7197805283 E 2	3.0597701669 E 2	3.4197614463 E 2
0.50	2.0992323229 E 2	2.3991718531 E 2	2.7191220943 E 2	3.0590806558 E 2	3.4190457790 E 2
0.75	2.098725732 E 2	2.3981365622 E 2	2.7180246406 E 2	3.057931412 E 2	3.4178529792 E 2
1.00	2.098226377 E 2	2.396669549 E 2	2.7164880723 E 2	3.056322344 E 2	3.4161830154 E 2
1.25	2.0952002315 E 2	2.3948228323 E 2	2.7145122567 E 2	3.0542555837 E 2	3.4140358441 E 2
1.50	2.0930869894 E 2	2.3925439396 E 2	2.7120970248 E 2	3.0517247748 E 2	3.4114114101 E 2
1.75	2.0905884675 E 2	2.3898499676 E 2	2.7092421713 E 2	3.0487358817 E 2	3.4083096471 E 2
2.00	2.0877041438 E 2	2.3867405534 E 2	2.7059474561 E 2	3.0452867576 E 2	3.4047304783 E 2
2.25	2.0844334203 E 2	2.3832132823 E 2	2.7022126056 E 2	3.0413772357 E 2	3.4006738174 E 2
2.50	2.0807756244 E 2	2.3792736890 E 2	2.6980373137 E 2	3.0370071304 E 2	3.3961395691 E 2
2.75	2.0767300113 E 2	2.3749152598 E 2	2.6934212436 E 2	3.0321742386 E 2	3.3911276308 E 2
3.00	2.0722957659 E 2	2.3701394345 E 2	2.6883640296 E 2	3.0268843415 E 2	3.3856378933 E 2
3.25	2.0674720061 E 2	2.3649456091 E 2	2.6828652793 E 2	3.0211372056 E 2	3.3796702423 E 2
3.50	2.0622577854 E 2	2.3593331381 E 2	2.6769245755 E 2	3.0149165851 E 2	3.3732245597 E 2
3.75	2.0566520961 E 2	2.3533013375 E 2	2.6705414786 E 2	3.0082402235 E 2	3.3663007254 E 2
4.00	2.0506538737 E 2	2.3468494884 E 2	2.6637152296 E 2	3.0011018559 E 2	3.3588986184 E 2
4.25	2.0442620003 E 2	2.3399768400 E 2	2.6564462527 E 2	2.9935012112 E 2	3.3510181211 E 2
4.50	2.0374753096 E 2	2.3326826136 E 2	2.6487331585 E 2	2.9854380148 E 2	3.3426591162 E 2
4.75	2.0302925918 E 2	2.3249660070 E 2	2.6405757472 E 2	2.9769119909 E 2	3.3338214940 E 2
5.00	2.0227125989 E 2	2.3168261986 E 2	2.6319735124 E 2	2.9679228655 E 2	3.324501520 E 2
5.25	2.0147340510 E 2	2.3082623524 E 2	2.6229259446 E 2	2.9584703643 E 2	3.3147099976 E 2
5.50	2.0063556425 E 2	2.2992736232 E 2	2.6134325357 E 2	2.9485542417 E 2	3.3044359510 E 2
5.75	1.9975760494 E 2	2.2898591621 E 2	2.6034927829 E 2	2.9381742324 E 2	3.2936829474 E 2
6.00	1.9883939367 E 2	2.2800181226 E 2	2.5931061935 E 2	2.9273301066 E 2	3.2824509402 E 2
6.25	1.9788079671 E 2	2.2697496665 E 2	2.5822722897 E 2	2.9160216480 E 2	3.2707399033 E 2
6.50	1.9688168095 E 2	2.2590529713 E 2	2.5709906138 E 2	2.9042486630 E 2	3.2585498347 E 2
6.75	1.9584151489 E 2	2.2479272366 E 2	2.5592607334 E 2	2.8920109843 E 2	3.2458807594 E 2
7.00	1.9476136966 E 2	2.2363716925 E 2	2.5470822472 E 2	2.8793084760 E 2	3.2327327326 E 2
7.25	1.9363992015 E 2	2.2243856068 E 2	2.5344547911 E 2	2.8661410372 E 2	3.2191058434 E 2
7.50	1.9247744614 E 2	2.2119682942 E 2	2.5213780441 E 2	2.8525086674 E 2	3.2050002182 E 2
7.75	1.9127383364 E 2	2.1991191249 E 2	2.5078517350 E 2	2.8384111703 E 2	3.1904160243 E 2
8.00	1.9002897616 E 2	2.1858375338 E 2	2.4938756492 E 2	2.8238447619 E 2	3.1753534738 E 2
8.25	1.8874277618 E 2	2.1721230310 E 2	2.4794496359 E 2	2.8088214702 E 2	3.1598128276 E 2
8.50	1.8741514666 E 2	2.1579752115 E 2	2.4645736150 E 2	2.7933294460 E 2	3.1437943994 E 2
8.75	1.8604601262 E 2	2.1433937663 E 2	2.4492475957 E 2	2.7773729058 E 2	3.1272985602 E 2
9.00	1.8463531283 E 2	2.1283784938 E 2	2.4334716334 E 2	2.7609521383 E 2	3.1103257421 E 2
9.25	1.8318300159 E 2	2.1129293115 E 2	2.4172459388 E 2	2.7440675102 E 2	3.0928764430 E 2
9.50	1.8168905061 E 2	2.0970462685 E 2	2.4005707860 E 2	2.7267194725 E 2	3.0749512314 E 2
9.75	1.8015345092 E 2	2.0807295578 E 2	2.3834465714 E 2	2.7089085667 E 2	3.0565507510 E 2
10.00	1.7857621496 E 2	2.0637979530 E 2	2.3658738131 E 2	2.6906355315 E 2	3.0376757251 E 2
11.00	1.7185202757 E 2	1.9926595631 E 2	2.2911124894 E 2	2.6129371537 E 2	2.9574477172 E 2
12.00	1.6446974227 E 2	1.9144853681 E 2	2.2092541587 E 2	2.5279242938 E 2	2.8697091243 E 2
13.00	1.5644546973 E 2	1.8295877097 E 2	2.1204122637 E 2	2.4356998780 E 2	2.7745559727 E 2
14.00	1.4780704090 E 2	1.7351804686 E 2	2.0247593476 E 2	2.3364113683 E 2	2.6721189488 E 2
15.00	1.3859581421 E 2	1.6405854341 E 2	1.9225405692 E 2	2.2302601087 E 2	2.5625700644 E 2
16.00	1.2886471294 E 2	1.5372715913 E 2	1.8140918583 E 2	2.1175123013 E 2	2.4461301491 E 2
17.00	1.1866572329 E 2	1.4266357916 E 2	1.6985126079 E 2	1.9985126079 E 2	2.3230775457 E 2
18.00	1.0801789342 E 2	1.3166993068 E 2	1.5803912623 E 2	1.8737030822 E 2	2.1937586104 E 2
19.00	9.6856401655 E 1	1.2025436007 E 2	1.4536816686 E 2	1.7436548446 E 2	2.0586007631 E 2
20.00	8.4988809514 E 1	1.0901209959 E 2	1.3285323114 E 2	1.6091335517 E 2	1.9181282575 E 2

TABLE 21 - Oblate Eigenvalues  $\lambda_{10M}$

C	N=10	N=11	N=12	N=13	N=14
0.25	1.099728232 E 2	1.319249938 E 2	1.559888278 E 2	1.819859773 E 2	2.099836465 E 2
0.50	1.099891259 E 2	1.319699021 E 2	1.559593042 E 2	1.819437045 E 2	2.099345809 E 2
0.75	1.099752055 E 2	1.319324504 E 2	1.558994059 E 2	1.818734908 E 2	2.098527871 E 2
1.00	1.099564491 E 2	1.318798432 E 2	1.558210961 E 2	1.817750349 E 2	2.097382414 E 2
1.25	1.099318878 E 2	1.318121680 E 2	1.557203219 E 2	1.816483712 E 2	2.095909057 E 2
1.50	1.099018053 E 2	1.317292042 E 2	1.555970154 E 2	1.814934418 E 2	2.094107346 E 2
1.75	1.098661633 E 2	1.316312324 E 2	1.554510940 E 2	1.813101758 E 2	2.091976717 E 2
2.00	1.098249159 E 2	1.315147571 E 2	1.552825877 E 2	1.810984897 E 2	2.089516503 E 2
2.25	1.097780057 E 2	1.313884749 E 2	1.550909959 E 2	1.808594254 E 2	2.086725942 E 2
2.50	1.097253825 E 2	1.312438074 E 2	1.548765746 E 2	1.805894555 E 2	2.083604167 E 2
2.75	1.096669648 E 2	1.310834085 E 2	1.546390502 E 2	1.802918756 E 2	2.080150216 E 2
3.00	1.096026773 E 2	1.309070842 E 2	1.543826025 E 2	1.799654146 E 2	2.076363027 E 2
3.25	1.095324318 E 2	1.307146507 E 2	1.540940263 E 2	1.796099412 E 2	2.072241449 E 2
3.50	1.094561301 E 2	1.305059046 E 2	1.537861337 E 2	1.792252286 E 2	2.067764220 E 2
3.75	1.093736634 E 2	1.302862263 E 2	1.534544293 E 2	1.788111639 E 2	2.062990078 E 2
4.00	1.092849118 E 2	1.300308569 E 2	1.530986256 E 2	1.783675511 E 2	2.057857374 E 2
4.25	1.091897432 E 2	1.297494509 E 2	1.527184954 E 2	1.778941851 E 2	2.052338400 E 2
4.50	1.090880126 E 2	1.295030038 E 2	1.523137946 E 2	1.773908340 E 2	2.046578689 E 2
4.75	1.089795677 E 2	1.292889051 E 2	1.518841813 E 2	1.768573594 E 2	2.040413343 E 2
5.00	1.088642133 E 2	1.288968148 E 2	1.514294157 E 2	1.762934802 E 2	2.033911087 E 2
5.25	1.087417793 E 2	1.285663643 E 2	1.509491596 E 2	1.756991329 E 2	2.027061824 E 2
5.50	1.086120513 E 2	1.282171534 E 2	1.504430747 E 2	1.750732385 E 2	2.019863912 E 2
5.75	1.084747925 E 2	1.279108124 E 2	1.499108124 E 2	1.744165286 E 2	2.012352490 E 2
6.00	1.083297673 E 2	1.276407070 E 2	1.493519941 E 2	1.737283353 E 2	2.004411292 E 2
6.25	1.081766879 E 2	1.274025094 E 2	1.487642313 E 2	1.730083572 E 2	1.996157732 E 2
6.50	1.080152571 E 2	1.271923257 E 2	1.481531545 E 2	1.722563516 E 2	1.987544437 E 2
6.75	1.078451432 E 2	1.261734778 E 2	1.475122222 E 2	1.714719498 E 2	1.978532437 E 2
7.00	1.076659823 E 2	1.252014439 E 2	1.468431106 E 2	1.706486037 E 2	1.969138921 E 2
7.25	1.074737321 E 2	1.252068526 E 2	1.461453237 E 2	1.698048083 E 2	1.959341920 E 2
7.50	1.072788715 E 2	1.246889846 E 2	1.454183978 E 2	1.689214628 E 2	1.949479261 E 2
7.75	1.070999288 E 2	1.241470631 E 2	1.446418489 E 2	1.680044558 E 2	1.939644609 E 2
8.00	1.068501904 E 2	1.235802528 E 2	1.438751913 E 2	1.670534935 E 2	1.929824056 E 2
8.25	1.066186402 E 2	1.229876532 E 2	1.430579329 E 2	1.660683282 E 2	1.919775123 E 2
8.50	1.063753440 E 2	1.223682963 E 2	1.422093837 E 2	1.650483919 E 2	1.909354748 E 2
8.75	1.061188818 E 2	1.217211300 E 2	1.413298590 E 2	1.639930279 E 2	1.898564530 E 2
9.00	1.058464553 E 2	1.210450541 E 2	1.404174782 E 2	1.629034573 E 2	1.887324308 E 2
9.25	1.055636930 E 2	1.203388334 E 2	1.394731949 E 2	1.617781627 E 2	1.875634706 E 2
9.50	1.052629707 E 2	1.196011707 E 2	1.384958018 E 2	1.606148483 E 2	1.863507497 E 2
9.75	1.049452856 E 2	1.188306402 E 2	1.374851136 E 2	1.594195281 E 2	1.851149788 E 2
10.00	1.046092901 E 2	1.180257873 E 2	1.364408244 E 2	1.581868273 E 2	1.838577750 E 2
11.00	1.030481260 E 2	1.144281352 E 2	1.319249852 E 2	1.528856307 E 2	1.769082405 E 2
12.00	1.010229560 E 2	1.102584944 E 2	1.268845964 E 2	1.469957726 E 2	1.702460534 E 2
13.00	9.828999855 E 1	1.049552978 E 2	1.213941654 E 2	1.405212749 E 2	1.632127994 E 2
14.00	9.441152928 E 1	9.870276693 E 1	1.156779491 E 2	1.334774287 E 2	1.504718394 E 2
15.00	8.890707433 E 1	9.113439294 E 1	1.100630160 E 2	1.258493234 E 2	1.371249732 E 2
16.00	8.095140239 E 1	8.200485138 E 1	1.047186717 E 2	1.174691965 E 2	1.244337717 E 2
17.00	7.069708389 E 1	7.110253229 E 1	9.900294593 E 1	1.087429748 E 2	1.129720467 E 2
18.00	5.813798350 E 1	5.830113249 E 1	9.294511911 E 1	9.893326247 E 1	1.026042957 E 2
19.00	4.346386960 E 1	4.350979439 E 1	9.476567186 E 1	9.788147842 E 1	1.123082494 E 2
20.00	2.668923311 E 1	2.670270838 E 1	7.392882896 E 1	7.529273420 E 1	1.046891387 E 2

TABLE 21a - Oblate Eigenvalues  $\lambda_{10H}$

C	N=15	N=16	N=17	N=18	N=19
0.25	2.3998177866 E 2	2.7198024169 E 2	3.0597896174 E 2	3.4197788449 E 2	3.7997696927 E 2
0.50	2.3992711072 E 2	2.7192996384 E 2	3.0591584487 E 2	3.4191153654 E 2	3.7990787615 E 2
0.75	2.3983598435 E 2	2.7182215770 E 2	3.0581064311 E 2	3.4180095183 E 2	3.7979271788 E 2
1.00	2.3970837987 E 2	2.7168380868 E 2	3.0566334603 E 2	3.4164612320 E 2	3.7963148985 E 2
1.25	2.3954426976 E 2	2.7150589643 E 2	3.0547393905 E 2	3.4144704065 E 2	3.7942418565 E 2
1.50	2.3934361874 E 2	2.7128839488 E 2	3.0524240354 E 2	3.4120369143 E 2	3.7917079709 E 2
1.75	2.3910638383 E 2	2.7103127228 E 2	3.0496871681 E 2	3.4091606002 E 2	3.7887131428 E 2
2.00	2.3883251441 E 2	2.7073449131 E 2	3.0465285225 E 2	3.405842825 E 2	3.785272561 E 2
2.25	2.3852195233 E 2	2.7039830917 E 2	3.0429477940 E 2	3.4020787537 E 2	3.7813401792 E 2
2.50	2.3817463203 E 2	2.7002177769 E 2	3.0389446402 E 2	3.3978787611 E 2	3.7769617645 E 2
2.75	2.3779048065 E 2	2.6960574347 E 2	3.0345186825 E 2	3.3932231081 E 2	3.7721218505 E 2
3.00	2.3736941823 E 2	2.6914984807 E 2	3.0296695074 E 2	3.3881294553 E 2	3.7668202617 E 2
3.25	2.3691135782 E 2	2.6865402793 E 2	3.0243946675 E 2	3.3825915216 E 2	3.7610568104 E 2
3.50	2.3641620573 E 2	2.6811821506 E 2	3.0186998839 E 2	3.3760898856 E 2	3.7548312974 E 2
3.75	2.3588386171 E 2	2.6754233574 E 2	3.0125780472 E 2	3.3701815076 E 2	3.7481435135 E 2
4.00	2.3531421921 E 2	2.6692631600 E 2	3.0060312202 E 2	3.3633087304 E 2	3.7409932408 E 2
4.25	2.3470716565 E 2	2.6627007182 E 2	2.9990586396 E 2	3.3559902818 E 2	3.7333802342 E 2
4.50	2.3406258272 E 2	2.6557351940 E 2	2.9916597184 E 2	3.3487257765 E 2	3.7253043227 E 2
4.75	2.3338034669 E 2	2.6483657045 E 2	2.9838338485 E 2	3.3400148174 E 2	3.7167652118 E 2
5.00	2.3266032881 E 2	2.6405913352 E 2	2.9755804032 E 2	3.33135569991 E 2	3.7077626844 E 2
5.25	2.3190239568 E 2	2.6324111433 E 2	2.966987403 E 2	3.3222519089 E 2	3.6982965035 E 2
5.50	2.3110640968 E 2	2.6238241617 E 2	2.9577882052 E 2	3.3126991303 E 2	3.6883664338 E 2
5.75	2.3027222948 E 2	2.6148294028 E 2	2.9482481339 E 2	3.3026982454 E 2	3.6779727239 E 2
6.00	2.2939971054 E 2	2.6054259626 E 2	2.9382778569 E 2	3.2922488373 E 2	3.6671137087 E 2
6.25	2.2848870565 E 2	2.5956125260 E 2	2.9278767025 E 2	3.2813504937 E 2	3.6557906116 E 2
6.50	2.2753906500 E 2	2.5853883711 E 2	2.9170440010 E 2	3.270028097 E 2	3.6440027471 E 2
6.75	2.2655063979 E 2	2.5747523749 E 2	2.9057790890 E 2	3.2582053910 E 2	3.6317499235 E 2
7.00	2.2553277700 E 2	2.5637035185 E 2	2.8940813134 E 2	3.2459578576 E 2	3.6190319454 E 2
7.25	2.2448568261 E 2	2.5522407935 E 2	2.8819500365 E 2	3.2332598474 E 2	3.6058487168 E 2
7.50	2.2335113698 E 2	2.5403632084 E 2	2.8693844404 E 2	3.2201110197 E 2	3.5922000438 E 2
7.75	2.2220606136 E 2	2.5280697949 E 2	2.8563845326 E 2	3.2065110595 E 2	3.5780950350 E 2
8.00	2.2102145379 E 2	2.5153596154 E 2	2.8429491512 E 2	3.1924596815 E 2	3.5635060194 E 2
8.25	2.1979717270 E 2	2.5022317706 E 2	2.8290779704 E 2	3.1779566346 E 2	3.5484605400 E 2
8.50	2.1853308148 E 2	2.4886854072 E 2	2.8147705068 E 2	3.1630017059 E 2	3.5329493871 E 2
8.75	2.1722904968 E 2	2.4747197266 E 2	2.8000263252 E 2	3.1475947259 E 2	3.5169725868 E 2
9.00	2.1588495424 E 2	2.4603339934 E 2	2.7848450451 E 2	3.1317355729 E 2	3.5005302081 E 2
9.25	2.1450068081 E 2	2.4455235451 E 2	2.7692263479 E 2	3.1154241784 E 2	3.4836223661 E 2
9.50	2.1307612521 E 2	2.4302998013 E 2	2.7531699830 E 2	3.09860605320 E 2	3.4662492265 E 2
9.75	2.1161119487 E 2	2.4146502744 E 2	2.7366757760 E 2	3.0814448668 E 2	3.4484110092 E 2
10.00	2.1010581043 E 2	2.3985785797 E 2	2.7197436355 E 2	3.0637767650 E 2	3.4301079929 E 2
11.00	2.0367870160 E 2	2.3300666796 E 2	2.6476372765 E 2	2.9885895005 E 2	3.3522558040 E 2
12.00	1.9660261132 E 2	2.2548041195 E 2	2.5685439066 E 2	2.9062007950 E 2	3.2670073756 E 2
13.00	1.8888283037 E 2	2.1728423439 E 2	2.4825160687 E 2	2.8166649264 E 2	3.1744185650 E 2
14.00	1.8053328824 E 2	2.0842936723 E 2	2.3896511390 E 2	2.7200706702 E 2	3.0745726597 E 2
15.00	1.7157904658 E 2	1.9894993822 E 2	2.2901029127 E 2	2.6165493523 E 2	2.9675862022 E 2
16.00	1.6205820249 E 2	1.8883028732 E 2	2.1840948754 E 2	2.5062339027 E 2	2.8536154177 E 2
17.00	1.5202074791 E 2	1.7815851808 E 2	2.0719356098 E 2	2.3895193336 E 2	2.7328634247 E 2
18.00	1.4151861151 E 2	1.6698347430 E 2	1.9540361993 E 2	2.266575719 E 2	2.6055885599 E 2
19.00	1.3057841979 E 2	1.5540600900 E 2	1.8309259514 E 2	2.1378648816 E 2	2.4721143520 E 2
20.00	1.1915476158 E 2	1.4360204633 E 2	1.7032509053 E 2	2.0039198311 E 2	2.3328418444 E 2



20.00 1.1915476158 E 2 1.4360204633 E 2 1.7032509053 E 2 2.0039198311 E 2 2.3328418444 E 2 2.5204572892 E 2

TABLE 22 -- Prolate Coefficients  $d_l^{0,0}$

C	$\tau = 0$	$\tau = 2$	$\tau = 4$	$\tau = 6$	$\tau = 8$
0.25	9.9654388142 E -1	-6.9066880664 E -3	7.3960015909 E -6	-3.3342914962 E -9	8.3107587936 E -13
0.50	9.8636629328 E -1	-2.7180110059 E -2	1.1622981748 E -4	-2.0943388613 E -7	2.0871259510 E -10
0.75	9.7002117567 E -1	-5.9527861006 E -2	5.7111944673 E -4	-2.3123613684 E -6	5.1808551480 E -9
1.00	9.4837195119 E -1	-1.0194959250 E -1	1.7310495260 E -3	-1.2439293290 E -5	4.9490187988 E -8
1.25	9.2250718645 E -1	-1.5195014191 E -1	4.0097051579 E -3	-4.4885441075 E -5	2.7858913570 E -7
1.50	8.9363460959 E -1	-2.0680144346 E -1	7.8005480271 E -3	-1.252992103 E -4	1.1175653880 E -6
1.75	8.6296727950 E -1	-2.6381584052 E -1	1.3420116676 E -2	-2.9210438836 E -4	3.5368765954 E -6
2.00	8.3161899073 E -1	-3.2058798028 E -1	2.1062216135 E -2	-5.9551288971 E -4	9.3875990439 E -6
2.25	8.0052526853 E -1	-3.7516757907 E -1	3.0781250188 E -2	-1.0942661778 E -3	2.1747057320 E -5
2.50	7.7040040060 E -1	-4.2614221407 E -1	4.2500120925 E -2	-1.8509148149 E -3	4.5204572892 E -5
2.75	7.4173159748 E -1	-4.7263247717 E -1	5.7136347515 E -2	-2.9267395582 E -3	8.6030425332 E -5
3.00	7.1480254502 E -1	-5.1422166815 E -1	7.1136679334 E -2	-4.3772826823 E -3	1.5219995684 E -4
3.25	6.8973387261 E -1	-5.5085122379 E -1	8.7511401555 E -2	-6.2490662829 E -3	2.5327489525 E -4
3.50	6.652830702 E -1	-5.8271044822 E -1	1.0486271808 E -1	-8.5776255024 E -3	4.0016536254 E -4
3.75	6.4511183321 E -1	-6.1013937944 E -1	1.2290506935 E -1	-1.1386789238 E -2	6.0480420085 E -4
4.00	6.2536654656 E -1	-6.3355471831 E -1	1.4137772771 E -1	-1.4688816336 E -2	8.7978282540 E -4
4.25	6.0715432601 E -1	-6.5339535683 E -1	1.6005122553 E -1	-1.8435221891 E -2	1.2379385866 E -3
4.50	5.9038243661 E -1	-6.7009106736 E -1	1.7872943041 E -1	-2.2767976414 E -2	1.6919903316 E -3
4.75	5.7476291673 E -1	-6.8404256721 E -1	1.9722488437 E -1	-2.7520913771 E -2	2.2541729398 E -3
5.00	5.6031760409 E -1	-6.9561264260 E -1	2.1547629947 E -1	-3.2721207921 E -2	2.9359277247 E -3
5.25	5.4688032335 E -1	-7.0512333795 E -1	2.3330587452 E -1	-3.8340823344 E -2	3.7476440939 E -3
5.50	5.3434735209 E -1	-7.1285682912 E -1	2.5065551002 E -1	-4.4347875729 E -2	4.6984589801 E -3
5.75	5.226262373 E -1	-7.1905825691 E -1	2.6746366344 E -1	-5.0707863359 E -2	5.7961144738 E -3
6.00	5.1163825182 E -1	-7.2393943623 E -1	2.8368415672 E -1	-5.7384747719 E -2	7.0468708989 E -3
6.25	5.0131036860 E -1	-7.2768279639 E -1	2.9929331054 E -1	-6.4341875284 E -2	8.4554702851 E -3
6.50	4.9158094421 E -1	-7.3044519483 E -1	3.1426739933 E -1	-7.1542742247 E -2	1.0025143741 E -2
6.75	4.8239517387 E -1	-7.3236142470 E -1	3.2860043087 E -1	-7.8951610718 E -2	1.1757655501 E -2
7.00	4.7370477261 E -1	-7.3354734325 E -1	3.4229223576 E -1	-8.6533989243 E -2	1.3653376263 E -2
7.25	4.6546708998 E -1	-7.3410260801 E -1	3.5534884267 E -1	-9.4256992910 E -2	1.5711378723 E -2
7.50	4.5764434242 E -1	-7.3411304010 E -1	3.6778111046 E -1	-1.0208959921 E -1	1.7929548772 E -2
7.75	4.5020295379 E -1	-7.3365264883 E -1	3.7960358684 E -1	-1.1000281572 E -1	2.0304706580 E -2
8.00	4.4311299191 E -1	-7.3278535717 E -1	3.9083356437 E -1	-1.1796977476 E -1	2.2832732636 E -2
8.25	4.3634768825 E -1	-7.3156646797 E -1	4.0149030577 E -1	-1.2596576894 E -1	2.5508694648 E -2
8.50	4.2988302869 E -1	-7.3004390772 E -1	4.1159441369 E -1	-1.3396823992 E -1	2.8324972047 E -2
8.75	4.2369740461 E -1	-7.2825928122 E -1	4.2116733214 E -1	-1.4195673113 E -1	3.1281375574 E -2
9.00	4.1777131491 E -1	-7.2624876400 E -1	4.3023088996 E -1	-1.4991281360 E -1	3.4365260110 E -2
9.25	4.1208711090 E -1	-7.2404387161 E -1	4.3880707924 E -1	-1.5781999197 E -1	3.7571629472 E -2
9.50	4.0662877727 E -1	-7.2167208479 E -1	4.4691770388 E -1	-1.6566359888 E -1	4.0892323296 E -2
9.75	4.0138174350 E -1	-7.1915741869 E -1	4.5458423589 E -1	-1.7343067948 E -1	4.4322649306 E -2
10.00	3.9633272102 E -1	-7.1652088111 E -1	4.6182765891 E -1	-1.8110987346 E -1	4.7852369807 E -2

TABLE 22a - Prolete Coefficients 4.00

C	r=10	r=12	r=14	r=16	r=18
0.25	-1.3156075845 E-16	1.4403873281 E-20	-1.1558085242 E-24	7.0897641436 E-29	-8.8194938046 E-28
0.50	-1.3211947508 E-13	5.7848220459 E-17	-1.8564787970 E-20	4.5545397130 E-24	-1.2605401841 E-24
0.75	-7.3753240421 E-12	7.2632520673 E-15	-5.2432198385 E-18	2.8936494022 E-21	-2.1335195426 E-22
1.00	-1.2515536023 E-10	2.1900127650 E-13	-2.8094418576 E-16	2.7555820684 E-19	-1.1151071940 E-20
1.25	-1.0996797762 E-9	3.0044656986 E-12	-6.0190192123 E-15	9.2205670393 E-18	-2.7586586603 E-19
1.50	-6.3438004060 E-8	2.493340985 E-11	-7.1880357883 E-14	1.5847698350 E-16	-4.0578976101 E-17
1.75	-2.7279943850 E-7	1.4576651585 E-10	-5.7144062100 E-13	1.7136307061 E-15	-4.0683328123 E-17
2.00	-9.4371036553 E-6	6.5763299724 E-10	-3.3635228315 E-12	1.3162798703 E-14	-3.0371988154 E-16
2.25	-2.7597769055 E-7	2.4295917312 E-9	-1.5705797002 E-11	7.7707519030 E-14	-1.7943219552 E-15
2.50	-7.060737813 E-7	7.6575023089 E-9	-6.1014031133 E-11	3.7222584709 E-13	-1.7943219552 E-15
2.75	-1.6202074010 E-6	2.1208130872 E-8	-2.0408730169 E-10	1.5043442421 E-12	-8.7644244054 E-15
3.00	-3.3974800436 E-6	5.2773689765 E-8	-6.0308011091 E-10	5.2815311201 E-12	-3.6570925696 E-14
3.25	-6.6051850043 E-6	1.2002222777 E-7	-1.6057931342 E-9	1.6473309617 E-11	-1.3364829908 E-13
3.50	-1.2042271939 E-5	2.5286373690 E-7	-3.9129900628 E-9	4.6457589712 E-11	-4.3646015554 E-13
3.75	-2.0777907911 E-5	4.9886123789 E-7	-8.855280108 E-9	1.2014324425 E-10	-1.2933272416 E-12
4.00	-3.4181933240 E-5	9.2971296956 E-7	-1.8674265583 E-8	2.8818149506 E-10	-3.5225027141 E-12
4.25	-5.3944799332 E-5	1.6486291314 E-6	-3.7251339905 E-8	6.4718340492 E-10	-8.9107421542 E-12
4.50	-8.2085496795 E-5	2.7983362829 E-6	-7.0618146803 E-8	1.3713931630 E-9	-2.1110568408 E-11
4.75	-1.2094692668 E-4	4.5693738968 E-6	-1.2795924598 E-7	2.7599543325 E-9	-4.7234765862 E-11
5.00	-1.7317904581 E-4	7.2083066775 E-6	-2.2270282650 E-7	5.3044689801 E-9	-1.0031758857 E-10
5.25	-2.4171080007 E-4	1.1025465243 E-5	-3.7383797253 E-7	9.7819106262 E-9	-2.0337066498 E-10
5.50	-3.2971290444 E-4	1.6401845292 E-5	-6.0742761078 E-7	1.7378046711 E-8	-3.9532249296 E-10
5.75	-4.4055221850 E-4	2.3794837302 E-5	-9.5829461021 E-7	2.9846310449 E-8	-7.3971319700 E-10
6.00	-5.7774200790 E-4	3.3742519302 E-5	-1.4718479104 E-6	4.9706516309 E-8	-1.3368884343 E-9
6.25	-7.4488816735 E-4	4.6866317692 E-5	-2.2060065155 E-6	8.0486945577 E-8	-2.3404680055 E-9
6.50	-9.4563496288 E-4	6.3871918863 E-5	-3.2331722796 E-6	1.2701217145 E-7	-3.9804778034 E-9
6.75	-1.1836111151 E-3	8.5548391785 E-5	-4.6421979354 E-6	1.9573760168 E-7	-6.5900504336 E-9
7.00	-1.4623789270 E-3	1.1276555382 E-4	-6.5402949886 E-6	2.9513016156 E-7	-1.0443795206 E-8
7.25	-1.7853866889 E-3	1.4646967550 E-4	-9.0548267800 E-6	4.3609290123 E-7	-1.6801926299 E-8
7.50	-2.15592559584 E-3	1.8767767219 E-4	-1.2334935057 E-5	6.3242967270 E-7	-2.5965370372 E-8
7.75	-2.5770941678 E-3	2.3746997119 E-4	-1.6552953443 E-5	9.0134446287 E-7	-3.9341360845 E-8
8.00	-3.0517629770 E-3	2.9698227019 E-4	-2.1905567805 E-5	1.2639685623 E-6	-5.8520466167 E-8
8.25	-3.5825525154 E-3	3.6739641959 E-4	-2.8614691346 E-5	1.7459075553 E-6	-8.5565597748 E-8
8.50	-4.1718114569 E-3	4.4993066652 E-4	-3.6928030692 E-5	2.3777991792 E-6	-1.2311330608 E-7
8.75	-4.8216027068 E-3	5.4582949476 E-4	-4.7119328023 E-5	3.1958724516 E-6	-1.7448740892 E-7
9.00	-5.5336943562 E-3	6.5635328367 E-4	-5.9488272953 E-5	4.2424981165 E-6	-2.4362471237 E-7
9.25	-6.3095554704 E-3	7.8276799226 E-4	-7.4360086063 E-5	5.5667204115 E-6	-3.3621224332 E-7
9.50	-7.1503562193 E-3	9.2633505337 E-4	-9.2084783537 E-5	7.2247603994 E-6	-4.5783552301 E-7
9.75	-8.0569718278 E-3	1.0883016391 E-3	-1.1303613898 E-4	9.2804816082 E-6	-6.1613572969 E-7
10.00	-9.0299898126 E-3	1.2698914336 E-3	-1.3761036420 E-4	1.1805809457 E-5	-8.1997614093 E-7

TABLE 2b - Prolete Coefficients d<sub>1</sub><sup>00</sup>

C	r=20	r=22	r=24	r=26	r=28
0.25					
0.50					
1.00	4.4447299121 E-28	-6.9224687058 E-29	5.9977737805 E-30	-3.6879540634 E-31	6.9112256044 E-31
1.25	1.3371412912 E-25	-8.8288870341 E-27	4.4265753499 E-28	-1.8592898198 E-29	1.6713085994 E-29
1.50	1.0916911580 E-23	-4.5261554669 E-25	1.6400372678 E-26	-5.4154419335 E-28	2.8234134432 E-28
1.75	3.8876674243 E-22	-1.2324224086 E-23	3.6584986472 E-25	-1.0351038590 E-26	
2.00	7.7801691440 E-21	-2.1056972717 E-22	5.5274566328 E-24	-1.4169981864 E-25	
2.25	1.0182261104 E-19	-2.5149007959 E-21	6.1320647148 E-23		
2.50	9.6141306092 E-19	-2.2611738960 E-20			
2.75	7.0064885681 E-18				
3.00	4.1371231092 E-17	-1.6142703186 E-19	5.2935427865 E-22	-1.4792719554 E-24	3.5647203305 E-27
3.25	2.0521876940 E-16	-9.5209519485 E-19	3.7127605479 E-21	-1.2339361772 E-23	3.5367342203 E-26
3.50	8.7922657199 E-16	-4.7823905862 E-18	2.1868118188 E-20	-8.523628134 E-23	2.8652837503 E-25
3.75	3.3249940321 E-15	-2.0951205733 E-17	1.1190081118 E-19	-5.0134510212 E-22	1.9532267926 E-24
4.00	1.1293355104 E-14	-8.1586775630 E-17	4.9567882194 E-19	-2.5678808825 E-21	1.1474670719 E-23
4.25	3.4938374888 E-14	-2.8678527989 E-16	1.9801020597 E-18	-1.1658730041 E-20	5.9228628932 E-23
4.50	9.9595655206 E-14	-9.2151064405 E-16	7.1736053442 E-18	-4.763063005 E-20	2.7290770271 E-22
4.75	2.6411550461 E-13	-2.7352520226 E-15	2.3838904596 E-17	-1.7724438034 E-19	1.1373833809 E-21
5.00	6.5682276891 E-13	-7.5658722742 E-15	7.3562017000 E-17	-6.0697669792 E-19	4.3350498226 E-21
5.25	1.5422362202 E-12	-1.9447576649 E-14	2.1076184210 E-16	-1.9295707814 E-18	1.5252066283 E-20
5.50	3.4388703939 E-12	-4.8205528410 E-14	5.6915898844 E-16	-5.7366611837 E-18	4.9930593604 E-20
5.75	7.3181815786 E-12	-1.1235327155 E-13	1.45332225494 E-15	-1.6052255110 E-17	1.5313674213 E-19
6.00	1.4927342604 E-11	-2.14993150667 E-13	3.5269425199 E-15	-4.2509705705 E-17	4.4262825608 E-19
6.25	2.9294231774 E-11	-5.3282496030 E-13	8.1710513516 E-15	-1.0705423195 E-16	1.2119581635 E-18
6.50	5.5491800397 E-11	-1.0925415513 E-12	1.8142490318 E-14	-2.5746252671 E-16	3.1578398243 E-18
6.75	1.0176060986 E-10	-2.1615102433 E-12	3.8739159194 E-14	-5.9351585843 E-16	7.8610195594 E-18
7.00	1.8111231918 E-10	-4.1377226394 E-12	7.9792497205 E-14	-1.3157952647 E-15	1.8762417761 E-17
7.25	3.1356252128 E-10	-7.6830700470 E-12	1.5896850122 E-13	-2.8135488360 E-15	4.3071116356 E-17
7.50	5.2916760478 E-10	-1.3869056734 E-11	3.0707946326 E-13	-5.8179272834 E-15	9.5365733967 E-17
7.75	8.7206610413 E-10	-2.4387521929 E-11	5.7440358066 E-13	-1.1661404699 E-14	2.0417566646 E-16
8.00	1.4057490131 E-9	-4.1848568592 E-11	1.0533933788 E-12	-2.2705032986 E-14	4.2365174661 E-16
8.25	2.2198044393 E-9	-7.0193032956 E-11	1.8776411171 E-12	-4.3024303514 E-14	8.5369111602 E-16
8.50	3.4383984519 E-9	-1.1525245551 E-10	3.2695736839 E-12	-7.9484139208 E-14	1.6737444842 E-15
8.75	5.2307648089 E-9	-1.8549551513 E-10	5.5700826494 E-12	-1.4338657416 E-13	3.1982556745 E-15
9.00	7.8239803902 E-9	-2.9300611166 E-10	9.2961659261 E-12	-2.5294393981 E-13	5.9654637709 E-15
9.25	1.1518299794 E-8	-4.5474454737 E-10	1.5217670742 E-11	-4.3691902258 E-13	1.0874734701 E-14
9.50	1.6705311139 E-8	-6.9414935653 E-10	2.4461383453 E-11	-7.3988495893 E-13	1.9410691495 E-14
9.75	2.3889155388 E-8	-1.0431430440 E-9	3.8650004617 E-11	-1.2296948513 E-12	3.3946189498 E-14
10.00	3.3711023604 E-8	-1.5446100867 E-9	6.0084966366 E-11	-2.0075173326 E-12	5.8240796582 E-14
	4.6977110778 E-8	-2.2554197960 E-9	9.1983575520 E-11	-3.2241923755 E-12	9.8127770935 E-14

TABLE 23 - Prolete Coefficients  $d_{l'}^{0,1}$

C	r = 1	r = 3	r = 5	r = 7	r = 9
0.25	9.9625864699 E -1	-2.4920266280 E -3	1.7662678907 E -6	-6.0048895318 E -10	1.2042730691 E -13
0.50	9.8513784695 E -1	-9.8730359455 E -3	2.8008378178 E -5	-3.8101392556 E -8	3.0571044318 E -11
0.75	9.6694360181 E -1	-2.1862363731 E -2	1.3968794495 E -4	-4.2778701632 E -7	7.7254459731 E -10
1.00	9.4217340500 E -1	-3.8007228174 E -2	4.3231028448 E -4	-2.3553306276 E -6	7.5651339590 E -9
1.25	9.1149773313 E -1	-5.7704634996 E -2	1.0272322496 E -3	-8.7521644521 E -6	4.3946888672 E -8
1.50	8.7573464841 E -1	-8.0230874938 E -2	2.0603927818 E -3	-2.5302782183 E -5	1.8306022420 E -7
1.75	8.3581804383 E -1	-1.0477742489 E -1	3.6693449335 E -3	-6.1393235318 E -5	6.0491689065 E -7
2.00	7.9276028009 E -1	-1.3049167703 E -1	5.9796829661 E -3	-1.30792546713 E -4	1.6841946379 E -6
2.25	7.4761028999 E -1	-1.5652047563 E -1	9.0921291714 E -3	-2.5189783244 E -4	4.1070515121 E -6
2.50	7.0140872760 E -1	-1.8205393182 E -1	1.3071635745 E -2	-4.4734342382 E -4	9.0073388727 E -6
2.75	6.5514245007 E -1	-2.0636645646 E -1	1.7939810724 E -2	-7.4302539303 E -4	1.8104382343 E -5
3.00	6.0970146991 E -1	-2.2885154266 E -1	2.3671725115 E -2	-1.1665041454 E -3	3.3818694466 E -5
3.25	5.6584225935 E -1	-2.4904678588 E -1	3.0197650991 E -2	-1.7450340591 E -3	5.9341146457 E -5
3.50	5.2416150003 E -1	-2.6664627758 E -1	3.7409538794 E -2	-2.5034839691 E -3	9.8636748423 E -5
3.75	4.8508360242 E -1	-2.8149898455 E -1	4.5171206005 E -2	-3.4624703021 E -3	1.5637552487 E -4
4.00	4.4886340701 E -1	-2.9359391246 E -1	5.3330226583 E -2	-4.6369742653 E -3	2.3779673504 E -4
4.25	4.1560281927 E -1	-3.0303511591 E -1	6.1731636342 E -2	-6.0355964342 E -3	3.4852425747 E -4
4.50	3.8527761828 E -1	-3.1001118766 E -1	7.0225416192 E -2	-7.6604561867 E -3	4.9435672026 E -4
4.75	3.5776924935 E -1	-3.1476417195 E -1	7.8677169554 E -2	-9.5076221409 E -3	6.8105515084 E -4
5.00	3.3289648739 E -1	-3.1756191346 E -1	8.6971195085 E -2	-1.1567897178 E -2	9.1414559288 E -4
5.25	3.1044315735 E -1	-3.1867620316 E -1	9.5012593466 E -2	-1.3827780012 E -2	1.1987474434 E -3
5.50	2.9017990598 E -1	-3.1836739752 E -1	1.0272699344 E -1	-1.6270462972 E -2	1.5394325953 E -3
5.75	2.7187964918 E -1	-3.1687494900 E -1	1.1005894914 E -1	-1.8876775599 E -2	1.9401167171 E -3
6.00	2.5532740178 E -1	-3.1441264920 E -1	1.1696964888 E -1	-2.1626027060 E -2	2.4039819061 E -3
6.25	2.4032569304 E -1	-3.1116722735 E -1	1.2343439524 E -1	-2.4496730031 E -2	2.9334288646 E -3
6.50	2.2669683606 E -1	-3.0729911110 E -1	1.2944014301 E -1	-2.7467205484 E -2	3.5300561128 E -3
6.75	2.1428314585 E -1	-3.0294441664 E -1	1.3498324785 E -1	-3.0516075807 E -2	4.1946632945 E -3
7.00	2.0294594328 E -1	-2.9821751983 E -1	1.4006748981 E -1	-3.3622665608 E -2	4.9272752726 E -3
7.25	1.9256393107 E -1	-2.9321379016 E -1	1.4470238397 E -1	-3.6767258339 E -2	5.7271834665 E -3
7.50	1.8303132235 E -1	-2.8801224168 E -1	1.4890176291 E -1	-3.9931408685 E -2	6.5930007895 E -3
7.75	1.7425595142 E -1	-2.8267797108 E -1	1.5268260359 E -1	-4.3098006301 E -2	7.5227266053 E -3
8.00	1.6615749310 E -1	-2.7726432732 E -1	1.5606406793 E -1	-4.6251415948 E -2	8.5138183412 E -3
8.25	1.5866585125 E -1	-2.7181480085 E -1	1.5906672638 E -1	-4.9377514576 E -2	9.5632667150 E -3
8.50	1.5171973667 E -1	-2.6636464475 E -1	1.6171193694 E -1	-5.2463697183 E -2	1.0667671942 E -2
8.75	1.4526543247 E -1	-2.6094225184 E -1	1.6402135433 E -1	-5.5498850581 E -2	1.1823318729 E -2
9.00	1.3925573292 E -1	-2.5557031631 E -1	1.6601654793 E -1	-5.8473302325 E -2	1.3026248290 E -2
9.25	1.3364903712 E -1	-2.5026680882 E -1	1.6771870960 E -1	-6.1378751191 E -2	1.4272326082 E -2
9.50	1.2840857752 E -1	-2.45045579216 E -1	1.6914843529 E -1	-6.4208184684 E -2	1.5557304292 E -2
9.75	1.2350176410 E -1	-2.3991810202 E -1	1.7032556687 E -1	-6.6955788196 E -2	1.6876878484 E -2
10.00	1.1889962694 E -1	-2.3489191414 E -1	1.7126908261 E -1	-6.9616849592 E -2	1.8226738094 E -2

TABLE 23a - Prolet Coefficients  $d_{r_1}^{0.1}$

C	r=11	r=13	r=15	r=17	r=19
0.25	-1.5962540977 E-17	1.5037692670 E-21	-1.0591391306 E-25	5.7897745731 E-30	-6.5748193113 E-29
0.50	-1.6210935906 E-14	6.1092972447 E-18	-1.7212995815 E-21	3.7640131316 E-25	-9.5875554083 E-24
0.75	-9.2193811829 E-13	7.187673013 E-16	-4.952366165 E-19	2.4392642969 E-22	-1.6687200868 E-23
1.00	-1.6054697334 E-11	2.4210847360 E-14	-2.7293540675 E-17	2.3878784587 E-20	-9.0378390753 E-22
1.25	-1.4577667980 E-10	3.43577669344 E-13	-6.0531546334 E-16	8.2759943184 E-19	-2.3337643802 E-20
1.50	-8.7475363474 E-10	2.9696813043 E-12	-7.5356188738 E-15	1.4838569953 E-17	-3.6070193974 E-19
1.75	-3.9359847701 E-9	1.8192614769 E-11	-6.2847986332 E-14	1.6847334691 E-16	-3.8216427711 E-18
2.00	-1.4318414270 E-8	8.646136598 E-11	-3.9021417663 E-13	1.3664525528 E-15	-3.0290853787 E-17
2.25	-4.4204963240 E-8	3.3791851151 E-10	-1.9304344484 E-12	8.5567084946 E-15	-1.90663680739 E-16
2.50	-1.1971240441 E-7	1.1299408171 E-9	-7.9700037653 E-12	4.3617392795 E-14	-9.9395924151 E-16
2.75	-2.9116020439 E-7	3.3254134968 E-9	-2.8381883793 E-11	1.8794582747 E-13	-4.300053301 E-15
3.00	-6.4716508733 E-7	8.7953547136 E-9	-8.9327321600 E-11	7.0391318371 E-13	-1.7284860904 E-14
3.25	-1.3321797015 E-6	2.1241896280 E-8	-2.5313134253 E-10	2.3405782390 E-12	-6.0150593234 E-14
3.50	-2.5663219112 E-6	4.7433459453 E-8	-6.5528813126 E-10	7.0249036629 E-12	-1.8949326154 E-13
3.75	-4.6657084883 E-6	9.8920021768 E-8	-1.5678392999 E-9	1.9285581559 E-11	-5.4702812754 E-13
4.00	-8.0612238413 E-6	1.9425535252 E-7	-3.5002611241 E-9	4.8956923210 E-11	-1.4617744956 E-12
4.25	-1.3313799987 E-5	3.6170334175 E-7	-7.3500942907 E-9	1.1596110843 E-10	-3.6468144516 E-12
4.50	-2.1124754349 E-5	6.4235682860 E-7	-1.4615589980 E-8	2.5825555715 E-10	-8.5560891274 E-12
4.75	-3.2340373612 E-5	1.0935566135 E-6	-2.7681526950 E-8	5.4433745363 E-10	-1.8997287484 E-11
5.00	-4.7950442163 E-5	1.7924682968 E-6	-5.0187088803 E-8	1.0919746980 E-9	-4.0135175056 E-11
5.25	-6.9080915592 E-5	2.8396551741 E-6	-8.7481368215 E-8	2.0952415670 E-9	-8.1064945086 E-11
5.50	-9.6981185788 E-5	4.3624761455 E-6	-1.4716785129 E-7	3.8615691793 E-9	-1.5718581772 E-10
5.75	-1.3300652664 E-4	6.5181365349 E-6	-2.3973438845 E-7	6.8617025361 E-9	-2.9365871580 E-10
6.00	-1.7859724161 E-4	9.4962470252 E-6	-3.7926002288 E-7	1.1794013055 E-8	-5.3028515948 E-10
6.25	-2.3525351112 E-4	1.3520711059 E-5	-5.8418501770 E-7	1.9665531059 E-8	-9.2819371799 E-10
6.50	-3.0431004396 E-4	1.8850902363 E-5	-8.7812588682 E-7	3.1891157280 E-8	-1.5787613282 E-9
6.75	-3.8790376678 E-4	2.5781989183 E-5	-1.2907135266 E-6	5.0412186069 E-8	-2.6152254901 E-9
7.00	-4.8697193998 E-4	3.4644411389 E-5	-1.8584299136 E-6	7.783447699 E-8	-4.2274561350 E-9
7.25	-6.0317631186 E-4	4.5802497944 E-5	-2.6254174178 E-6	1.1758128220 E-7	-6.6803499010 E-9
7.50	-7.3792903208 E-4	5.9652262847 E-5	-3.6442346299 E-6	1.7409820798 E-7	-1.0336282672 E-8
7.75	-8.9254595064 E-4	7.6618445708 E-5	-4.9765336538 E-6	2.5298858411 E-7	-1.5682007678 E-8
8.00	-1.0682327468 E-3	9.7150887424 E-5	-6.6936359541 E-6	3.6128082500 E-7	-2.3360316552 E-8
8.25	-1.2660691738 E-3	1.2172034933 E-4	-8.8769868914 E-6	5.0761824623 E-7	-3.4206691057 E-8
8.50	-1.4869965586 E-3	1.5081369586 E-4	-1.1618472807 E-5	7.0249243341 E-7	-4.9291066199 E-8
8.75	-1.7318085670 E-3	1.8492996555 E-4	-1.5020588718 E-5	9.5047156494 E-7	-6.9964704825 E-8
9.00	-2.0011451399 E-3	2.2457325730 E-4	-1.9190449098 E-5	1.2904433231 E-6	-9.7912053520 E-8
9.25	-2.2954891444 E-3	2.7024955033 E-4	-2.4269638703 E-5	1.7158132664 E-6	-1.3520731453 E-7
9.50	-2.6151674022 E-3	3.2246057271 E-4	-3.0373904666 E-5	2.2547446517 E-6	-1.8437533314 E-7
9.75	-2.9603500939 E-3	3.8169901843 E-4	-3.7652695097 E-5	2.9303443665 E-6	-2.44845626940 E-7
10.00	-3.3310577452 E-3	4.4884380198 E-4	-4.6258552965 E-5	3.7688450261 E-6	

TABLE 23b - Prolate Coefficients  $d_{01}$

C	r=21	r=23	r=25	r=27	r=29
0.25					
0.50					
1.00	3.0798130148 E-29	-4.5320479419 E-30	3.7660964778 E-31	-1.1948736978 E-30	1.1329760411 E-30
1.25	9.5304680982 E-27	-5.9937111519 E-28	2.9046424795 E-29	-3.6855273224 E-29	2.0453743434 E-29
1.50	8.0660148317 E-25	-3.2099682496 E-26	1.1323679675 E-27	-7.4971264104 E-28	
1.75	2.9995878729 E-23	-9.1932246512 E-25	2.6739558134 E-26	-1.0962753194 E-26	
2.00	6.3109516686 E-22	-1.6619542952 E-23	4.2975656098 E-25		
2.25	8.7342363396 E-21	-2.1103613622 E-22	5.0900144278 E-24		
2.50	8.7624899250 E-20	-2.0245232166 E-21			
2.75	6.8086343688 E-19				
3.00	4.2954605877 E-18	-1.5454671464 E-20	4.7015698576 E-23	-1.2252651399 E-25	2.7661108642 E-28
3.25	2.2782386809 E-17	-9.7545359330 E-20	3.5314242042 E-22	-1.0952152745 E-24	2.9424104688 E-27
3.50	1.0431091795 E-16	-5.2410072276 E-19	2.2266012314 E-21	-8.1036726200 E-24	2.5549351990 E-26
3.75	4.2090100836 E-16	-2.4522001936 E-18	1.2080533752 E-20	-5.098394498 E-23	1.8640364085 E-25
4.00	1.5216817173 E-15	-1.0174463712 E-17	5.526828732 E-20	-2.7863301953 E-22	1.1693214931 E-24
4.25	4.995897176 E-15	-3.7992958762 E-17	2.4433603818 E-19	-1.3462464325 E-21	6.4261840583 E-24
4.50	1.5062793991 E-14	-1.2925742093 E-16	9.3805639089 E-19	-5.8328170063 E-21	3.1422311460 E-23
4.75	4.2101318632 E-14	-4.0480784832 E-16	3.2920150016 E-18	-2.2939255911 E-20	1.3849381340 E-22
5.00	1.0956967228 E-13	-1.1732706760 E-15	1.0661642760 E-17	-8.2735141825 E-20	5.5631024404 E-22
5.25	2.7029497643 E-13	-3.2938739093 E-15	3.2126685247 E-17	-2.7608018016 E-19	2.0558807610 E-21
5.50	6.2890944034 E-13	-8.2113731365 E-15	9.0709746029 E-17	-8.5884846723 E-19	7.0470825182 E-21
5.75	1.3924600225 E-12	-1.9933331419 E-14	2.4146384296 E-16	-2.5072640977 E-18	2.2564188643 E-20
6.00	2.9471037621 E-12	-4.6059246524 E-14	6.0923517533 E-16	-6.9085332000 E-18	6.7905418905 E-20
6.25	5.9862735320 E-12	-1.0174434584 E-13	1.4638258855 E-15	-1.8057740373 E-17	1.9311083384 E-19
6.50	1.1710858262 E-11	-2.1568379726 E-13	3.3632356644 E-15	-4.4973695401 E-17	5.2141929674 E-19
6.75	2.2132810603 E-11	-4.4025278697 E-13	7.4160216929 E-15	-1.0714622165 E-16	1.3423495121 E-18
7.00	4.0522100609 E-11	-8.6788359871 E-13	1.5744662155 E-14	-2.4503104476 E-16	3.3071632491 E-18
7.25	7.2046894922 E-11	-1.6567238520 E-12	3.2276976381 E-14	-5.3954489390 E-16	7.8233608138 E-18
7.50	1.2466756351 E-10	-3.0697234718 E-12	6.4056738894 E-14	-1.1474489409 E-15	1.7822233698 E-17
7.75	2.1035619988 E-10	-5.5326521996 E-12	1.2335290966 E-13	-2.3607459712 E-15	3.9202434031 E-17
8.00	3.4672429396 E-10	-9.7181652953 E-12	2.3096521945 E-13	-4.7129422711 E-15	8.3460742084 E-17
8.25	5.5915146052 E-10	-1.6664910900 E-11	4.2127835045 E-13	-9.1458232957 E-15	1.7234760509 E-16
8.50	8.851710219 E-10	-2.7942792167 E-11	7.4981381346 E-13	-1.728578859 E-14	3.4588510319 E-16
8.75	1.3696439750 E-9	-4.5877828547 E-11	1.3042736708 E-12	-3.1859942216 E-14	6.7582107790 E-16
9.00	2.0855672585 E-9	-7.3652554857 E-11	2.2203685553 E-12	-5.7373768859 E-14	1.2876817853 E-15
9.25	3.1227444074 E-9	-1.1670048939 E-10	3.7040778476 E-12	-1.0107393880 E-13	2.3961017546 E-15
9.50	4.6023193819 E-9	-1.8121581431 E-10	6.0424046148 E-12	-1.7441052800 E-13	4.3602486646 E-15
9.75	6.6825495211 E-9	-2.7680195181 E-10	9.7451621438 E-12	-2.9513421085 E-13	7.7690556185 E-15
10.00	9.5674942193 E-9	-4.1628508938 E-10	1.5400860395 E-11	-4.9028148867 E-13	1.3569833072 E-14
	1.3517051665 E-8	-6.1692080204 E-10	2.3950344574 E-11	-8.0035089015 E-13	2.3259086043 E-14

TABLE 24 - Prolate Coefficients  $d_{l,0}^{(2)}$

C	$l=0$	$l=2$	$l=4$	$l=6$	$l=8$
0.25	1.3883838232 E -3	1.0016263445 E 0	-1.5332251565 E -3	8.0645104621 E -7	-2.1937349291 E -10
0.50	5.5468556293 E -3	1.004624106 E 0	-6.1642454592 E -3	1.2974016612 E -5	-1.4114470679 E -8
0.75	1.2450802707 E -2	1.0143699512 E 0	-1.3986875812 E -2	6.253557380 E -4	-1.4219769595 E -7
1.00	2.2044432310 E -2	1.0250889956 E 0	-2.5155872039 E -2	2.1193460413 E -4	-9.2262260424 E -7
1.25	3.4220527222 E -2	1.0381995006 E 0	-3.9881638568 E -2	5.2537677718 E -4	-3.5751158907 E -6
1.50	4.8796635794 E -2	1.0530804490 E 0	-5.8417692665 E -2	1.1093950505 E -3	-1.097430471 E -5
1.75	6.5493168036 E -2	1.0688815510 E 0	-8.1037479066 E -2	2.0979794340 E -3	-2.8022182371 E -5
2.00	8.3920224040 E -2	1.0845188360 E 0	-1.0799876202 E -1	3.6595943116 E -3	-6.321574437 E -5
2.25	1.0357940417 E -1	1.0987133589 E 0	-1.3949697797 E -1	5.9987199562 E -3	-1.327693491 E -4
2.50	1.2388376857 E -1	1.1100694191 E 0	-1.7561265336 E -1	9.354280847 E -3	-2.5009027422 E -4
2.75	1.4419439339 E -1	1.1171882228 E 0	-2.1626101917 E -1	1.3993683808 E -2	-4.4451171996 E -4
3.00	1.6386759973 E -1	1.1187976594 E 0	-2.6115239197 E -1	2.0201733975 E -2	-7.9992132005 E -4
3.25	1.8230468733 E -1	1.1138765593 E 0	-3.0977137018 E -1	2.8264478447 E -2	-1.3168600452 E -3
3.50	1.9899634358 E -1	1.1017539003 E 0	-3.6137897813 E -1	3.8448923212 E -2	-2.0832350160 E -3
3.75	2.135599295 E -1	1.0821696269 E 0	-4.1503933980 E -1	5.0980433834 E -2	-3.1798420197 E -3
4.00	2.2573898534 E -1	1.0552909571 E 0	-4.6966878647 E -1	6.6020345518 E -2	-4.698469998 E -3
4.25	2.3544686906 E -1	1.0221684574 E 0	-5.2410253798 E -1	8.3646746189 E -2	-6.7383371378 E -3
4.50	2.4271780727 E -1	9.8225036829 E -1	-5.7717165500 E -1	1.0384140468 E -1	-9.4015074093 E -3
4.75	2.4770557093 E -1	9.3812668540 E -1	-6.2778120327 E -1	1.2648524982 E -1	-1.2766934995 E -2
5.00	2.5065059563 E -1	8.9058021876 E -1	-6.7497992256 E -1	1.5136361538 E -1	-1.6984627466 E -2
5.25	2.5184729026 E -1	8.4089531536 E -1	-7.1801268643 E -1	1.7818080199 E -1	-2.2070248837 E -2
5.50	2.5161195314 E -1	7.9027682510 E -1	-7.5634975054 E -1	2.0658176456 E -1	-2.6101029404 E -2
5.75	2.5025511297 E -1	7.3977732487 E -1	-7.8969115374 E -1	2.3617744869 E -1	-3.5113408929 E -2
6.00	2.4806088868 E -1	6.9025415862 E -1	-8.1794893931 E -1	2.6656990879 E -1	-4.3122491494 E -2
6.25	2.4527435056 E -1	6.4235570977 E -1	-8.4121351649 E -1	2.9737394188 E -1	-5.2123054507 E -2
6.50	2.4209632537 E -1	5.9653142533 E -1	-8.5971191568 E -1	3.2823326040 E -1	-6.2091648018 E -2
6.75	2.3868402579 E -1	5.5305753033 E -1	-8.7376516020 E -1	3.5883067048 E -1	-7.2989279186 E -2
7.00	2.3515546541 E -1	5.1207023529 E -1	-8.8375001027 E -1	3.8889293224 E -1	-8.4764262121 E -2
7.25	2.3159575465 E -1	4.7360000230 E -1	-8.9006791948 E -1	4.1819137524 E -1	-9.7354954930 E -2
7.50	2.2806382627 E -1	4.3760224990 E -1	-8.9312195534 E -1	4.4653992179 E -1	-1.1069224130 E -1
7.75	2.2459867519 E -1	4.0398306165 E -1	-8.9330104342 E -1	4.7379142541 E -1	-1.2470171091 E -1
8.00	2.2122465914 E -1	3.7261880587 E -1	-8.9097021003 E -1	4.9983336750 E -1	-1.3930554668 E -1
8.25	2.1795573197 E -1	3.4337053530 E -1	-8.8646533613 E -1	5.2458342100 E -1	-1.5442414789 E -1
8.50	2.1479867244 E -1	3.1609395994 E -1	-8.8009107483 E -1	5.4798520951 E -1	-1.6997752061 E -1
8.75	2.1175545972 E -1	2.9064601704 E -1	-8.7212084899 E -1	5.7000441609 E -1	-1.8588646161 E -1
9.00	2.0882497084 E -1	2.668894856 E -1	-8.6279812459 E -1	5.9062529551 E -1	-2.0207355547 E -1
9.25	2.0600416345 E -1	2.4469262918 E -1	-8.5233839805 E -1	6.0984759012 E -1	-2.1846400148 E -1
9.50	2.0328888166 E -1	2.2393571198 E -1	-8.4093152306 E -1	6.2768382850 E -1	-2.3498627905 E -1
9.75	2.0067439274 E -1	2.0450600465 E -1	-8.2874413927 E -1	6.4415694512 E -1	-2.5157267072 E -1
10.00	1.9815573623 E -1	1.8630036562 E -1	-8.1592205837 E -1	6.5929826990 E -1	-2.6815964844 E -1

TABLE 24a -- Prolate Coefficients  $d_1^{0,2}$

C	r=10	r=12	r=14	r=16	r=18
0.25	3.6734767782 E-14	-4.1830893326 E-18	3.4555547472 E-22	-2.1675551558 E-26	1.0681992898 E-30
0.50	9.4544798870 E-12	-4.3065720205 E-15	1.4230589501 E-18	-3.5706179673 E-22	7.0386919315 E-26
0.75	2.4447851834 E-10	-2.5057951910 E-13	1.8631171198 E-16	-1.0518631479 E-19	4.6655524730 E-23
1.00	2.4726776547 E-9	-4.5060761353 E-12	5.9567101255 E-15	-5.9790279529 E-18	4.7149135753 E-21
1.25	1.4974925129 E-8	-4.2647424716 E-11	8.8100322145 E-14	-1.3818634996 E-16	1.7027965758 E-19
1.50	6.5633936892 E-8	-2.6923615547 E-10	8.0105895531 E-13	-1.8095847157 E-15	3.2113666917 E-18
1.75	2.3026564873 E-7	-1.2861377872 E-9	5.2098998865 E-12	-1.6022382728 E-14	3.8708163973 E-17
2.00	6.8647854351 E-7	-5.0105041825 E-9	2.6519332986 E-11	-1.0655235148 E-13	3.3629179509 E-16
2.25	1.8066685142 E-6	-1.6699627948 E-8	1.1191532497 E-10	-5.6930526514 E-13	2.2746889345 E-15
2.50	4.3062453178 E-5	-4.9177717242 E-8	4.0710295946 E-10	-2.5577413412 E-12	1.2620942489 E-14
2.75	9.4633343355 E-6	-1.3088190228 E-7	1.3118319754 E-9	-9.9776291152 E-12	5.9595644970 E-14
3.00	1.9422251953 E-5	-3.1999272557 E-7	3.8196813280 E-9	-3.4593169042 E-11	2.4600346116 E-13
3.25	3.7583785814 E-5	-7.2749519323 E-7	1.0199494509 E-8	-1.0847318145 E-10	7.0573057019 E-13
3.50	6.9070140426 E-5	-1.5523057880 E-6	2.5260858527 E-8	-3.1176605542 E-10	3.0205427928 E-12
3.75	1.2123278603 E-4	-3.1313241558 E-6	5.8543890081 E-8	-8.2994186735 E-10	9.2353181373 E-12
4.00	2.0415040475 E-4	-6.0061769801 E-6	1.278652156 E-7	-2.0637126212 E-9	2.6139897570 E-11
4.25	3.3104712648 E-4	-1.1006413615 E-5	2.6471618233 E-7	-4.8258360630 E-9	6.9035381866 E-11
4.50	5.1855486697 E-4	-1.9346166950 E-5	2.198216521 E-7	-1.0673381473 E-8	1.7124130690 E-10
4.75	7.867536438 E-4	-3.2728345323 E-5	9.8439432016 E-7	-2.2435723240 E-8	4.0117409693 E-10
5.00	1.1589521841 E-3	-5.3448089404 E-5	1.7818880682 E-6	-4.5010136204 E-8	9.9193823356 E-10
5.25	1.6612125165 E-3	-8.4486323978 E-5	3.1058337694 E-6	-8.6501964588 E-8	1.8899667067 E-9
5.50	2.3216668720 E-3	-1.2958515769 E-4	5.2278296463 E-6	-1.5978612839 E-7	3.8312283443 E-9
5.75	3.1697053753 E-3	-1.9329933507 E-4	8.5205435275 E-6	-2.8456048541 E-7	7.4555662814 E-9
6.00	4.2351234823 E-3	-2.8102102065 E-4	1.3479954663 E-5	-4.8994053174 E-7	1.3971720368 E-8
6.25	5.5473048488 E-3	-3.9897786383 E-4	2.0748279204 E-5	-8.1771007247 E-7	2.5287388989 E-8
6.50	7.1344892721 E-3	-5.5420593518 E-4	3.1136832768 E-5	-1.3260441575 E-6	4.4320156834 E-8
6.75	9.0231479871 E-3	-7.5449975395 E-4	4.548064747 E-5	-2.0940586187 E-6	7.540608427 E-8
7.00	1.1237468684 E-2	-1.0083416867 E-3	6.5495984944 E-5	-3.2268150661 E-6	1.2482304377 E-7
7.25	1.3798942835 E-2	-1.3248129760 E-3	9.2124205310 E-5	-4.8609421080 E-6	2.0144533740 E-7
7.50	1.6726045902 E-2	-1.71134888266 E-3	1.2722085436 E-4	-7.1707245753 E-6	3.1754465527 E-7
7.75	2.0034002789 E-2	-2.1843203502 E-3	1.7272969937 E-4	-1.0374564791 E-5	4.8974997810 E-7
8.00	2.3734633177 E-2	-2.7475066113 E-3	2.3085693104 E-4	-1.4741685502 E-5	7.4017567239 E-7
8.25	2.7836272605 E-2	-3.4133603728 E-3	3.0407321695 E-4	-2.059924628 E-5	1.0977228523 E-6
8.50	3.2343764980 E-2	-4.1921713132 E-3	3.9511080132 E-4	-2.8337458597 E-5	1.5995542704 E-6
8.75	3.7258521112 E-2	-5.0940704316 E-3	5.0695560341 E-4	-3.8419284297 E-5	2.2927377411 E-6
9.00	4.2578636418 E-2	-6.1288991044 E-3	6.4283443556 E-4	-5.1383289613 E-5	3.236047210 E-6
9.25	4.8299059669 E-2	-7.3060858424 E-3	8.0619761358 E-4	-6.7850748901 E-5	4.5019084023 E-6
9.50	5.4411803738 E-2	-8.6345332793 E-3	1.0006973614 E-3	-8.8530091843 E-5	6.1784592362 E-6
9.75	6.0906188977 E-2	-1.0122517359 E-2	1.2301625160 E-3	-1.1422081117 E-4	8.3717134155 E-6
10.00	6.7769109973 E-2	-1.177600119 E-2	1.4985701138 E-3	-1.4581639571 E-4	1.1207762677 E-5



TABLE 24b - Prolate Coefficients  $d_1^2$

C	r=20	r=22	r=24	r=26	r=28
0.25	-1.1193237593 E-29	4.9217116418 E-30	-6.9078174238 E-31	4.5088067766 E-30	-6.0777678186 E-30
0.50	-1.6693973644 E-26	1.5720784090 E-27	-9.5183252989 E-29	1.8660693974 E-28	-1.3360512391 E-28
0.75	-2.9993392679 E-24	1.3862909476 E-25	-5.3614132371 E-27	4.7207829213 E-27	-2.1280816126 E-27
1.00	-1.6926322281 E-22	5.4222795438 E-24	-1.6301131310 E-25	8.1985852244 E-26	
1.25	-4.5972009224 E-21	1.2111189029 E-22	-3.1570029190 E-24	1.0576204551 E-24	
1.50	-7.5432278448 E-20	1.7955902196 E-21	-4.3314962254 E-23		
2.00	-8.5611258239 E-19	1.9462491085 E-20	-4.5252772566 E-22		
2.25	-7.3305687261 E-18	1.6466833938 E-19			
2.50	-5.0227142745 E-17				
2.75	-2.8706574835 E-16	1.1390681629 E-18	-3.7884686959 E-21	1.0715524239 E-23	-2.6093117362 E-26
3.00	-1.4107043750 E-15	6.6635547397 E-18	-2.6381630146 E-20	8.8821381672 E-23	-2.57444471100 E-26
3.25	-6.0979073860 E-15	3.3814991164 E-17	-1.5715993938 E-19	6.2112344893 E-22	-2.1132520416 E-24
3.50	-2.3594223172 E-14	1.5179002158 E-16	-8.1839383201 E-19	3.7520404312 E-21	-1.4807991646 E-23
3.75	-8.2845522710 E-14	6.1203041961 E-16	-3.7890983473 E-18	1.9946524449 E-20	-9.0387466696 E-23
4.00	-2.6689608465 E-13	2.2440778615 E-15	-1.5811415214 E-17	9.4722929760 E-20	-4.8846761295 E-22
4.25	-7.9600784827 E-13	7.5577704758 E-15	-6.0129394137 E-17	4.0673914281 E-19	-2.3682587674 E-21
4.50	-2.2142621347 E-12	2.3575280361 E-14	-2.1032167663 E-16	1.5952687252 E-18	-1.0414951145 E-20
4.75	-5.7811419987 E-12	6.8593533952 E-14	-6.8192776705 E-16	5.7637591676 E-18	-4.1931342082 E-20
5.00	-1.4243910094 E-11	1.8728372267 E-13	-2.0632295596 E-15	1.9324161919 E-17	-1.5578080940 E-19
5.25	-3.3276989494 E-11	4.8239759722 E-13	-5.8592176707 E-15	6.0503083073 E-17	-5.3774235319 E-19
5.50	-7.4028918727 E-11	1.1777121872 E-12	-1.5698328426 E-14	1.7789914193 E-16	-1.7552244999 E-18
5.75	-1.5742217580 E-10	2.7367673124 E-12	-3.9865429870 E-14	4.9370736361 E-16	-5.2627300251 E-18
6.00	-3.2111052919 E-10	6.0767022159 E-12	-9.6357528567 E-14	1.2990690449 E-15	-1.5075054211 E-17
6.25	-6.3031397988 E-10	1.2937516037 E-11	-2.2252290110 E-13	3.2542277719 E-15	-4.0965469670 E-17
6.50	-1.1941202152 E-9	2.6495892761 E-11	-4.9268866871 E-13	7.7900982031 E-15	-1.0603076139 E-16
6.75	-2.1892559295 E-9	5.2350850390 E-11	-1.0491952462 E-12	1.7881280849 E-14	-2.6235331498 E-16
7.00	-3.8937773974 E-9	1.0005721881 E-10	-2.1551681833 E-12	3.9478762465 E-14	-6.2262100416 E-16
7.25	-6.7335873425 E-9	1.8544328392 E-10	-4.2814351422 E-12	8.4074365176 E-14	-1.4215205683 E-15
7.50	-1.1345129531 E-8	3.3402128774 E-10	-8.24555331824 E-12	1.7314583044 E-13	-3.1308571602 E-15
7.75	-1.8658015575 E-8	5.8588359747 E-10	-1.5428059684 E-11	3.4563602040 E-13	-6.6685633694 E-15
8.00	-3.0001670839 E-8	1.0025722103 E-9	-2.8101007355 E-11	6.7019477029 E-13	-1.3766972830 E-14
8.25	-4.7240319712 E-8	1.6765129567 E-9	-4.9914476670 E-11	1.2647081094 E-12	-2.7603868650 E-14
8.50	-7.2940739119 E-8	2.7437155503 E-9	-8.6602505997 E-11	2.3267150816 E-12	-5.3856014928 E-14
8.75	-1.1057717184 E-7	4.4005529635 E-9	-1.4698588902 E-10	4.7797318176 E-12	-1.0241571859 E-13
9.00	-1.647759288 E-7	6.9255442351 E-9	-2.4436978422 E-10	7.3423349657 E-12	-1.9012450176 E-13
9.25	-2.5161515425 E-7	1.0707168986 E-8	-3.9845668054 E-10	1.2629173154 E-11	-3.6503430008 E-13
9.50	-3.4894809610 E-7	1.6278834566 E-8	-6.3792054747 E-10	2.1295945694 E-11	-6.1291692927 E-13
9.75	-4.9681071134 E-7	2.4362192698 E-8	-1.0038156641 E-9	3.5243876933 E-11	-1.0670208112 E-12
10.00	-6.9785710214 E-7	3.5920056854 E-8	-1.5540230740 E-9	5.7303376235 E-11	-1.8224346586 E-12

TABLE 25 -- Prolete Coefficients 4.03

C	r = 1	r = 3	r = 5	r = 7	r = 9
0.25	1.0713115265 E -3	9.9933655136 E -1	-1.1015887400 E -3	4.5958484465 E -7	-1.0397930058 E -10
0.50	4.2837781116 E -3	9.9734767911 E -1	-4.3979466856 E -3	7.3396761005 E -6	-6.6424679488 E -9
0.75	9.6325054463 E -3	9.9403700874 E -1	-9.8644122433 E -3	3.7043870699 E -5	-7.5435156705 E -8
1.00	1.7107613342 E -2	9.8940791179 E -1	-1.7461153718 E -2	1.1659016368 E -4	-4.2211935980 E -7
1.25	2.6691348118 E -2	9.8345944590 E -1	-2.7135348045 E -2	2.8317404426 E -4	-1.6021705731 E -6
1.50	3.8353464822 E -2	9.7618061369 E -1	-3.8823498277 E -2	5.83634046299 E -4	-4.7561804090 E -6
1.75	5.2044398938 E -2	9.6754301268 E -1	-5.2453920939 E -2	1.0739317901 E -3	-1.1915814110 E -5
2.00	6.7685800495 E -2	9.5749217714 E -1	-6.7948725585 E -2	1.8185716736 E -3	-2.6367070922 E -5
2.25	8.5158285087 E -2	9.4593832238 E -1	-8.5224624130 E -2	2.8902139912 E -3	-5.3069383610 E -5
2.50	1.0428687245 E -1	9.3274781280 E -1	-1.0419179517 E -1	4.3692257517 E -3	-9.9130403340 E -5
2.75	1.2482558903 E -1	9.1773742607 E -1	-1.2475007117 E -1	6.3431820012 E -3	-1.7433481670 E -4
3.00	1.4644400325 E -1	9.0067416732 E -1	-1.4678199734 E -1	8.9060405716 E -3	-2.9171841783 E -4
3.25	1.6871966984 E -1	8.8128361468 E -1	-1.7014291038 E -1	1.2156663871 E -2	-4.6816344744 E -4
3.50	1.9114093769 E -1	8.5926908696 E -1	-1.9464907707 E -1	1.6196310007 E -2	-7.2496746229 E -4
3.75	2.1312364177 E -1	8.3434203485 E -1	-2.2006591716 E -1	2.1124775242 E -2	-1.0883089821 E -3
4.00	2.3404259844 E -1	8.0626120423 E -1	-2.4609905065 E -1	2.7035058727 E -2	-1.5895062924 E -3
4.25	2.5327513594 E -1	7.7487517573 E -1	-2.7239098257 E -1	3.4006714660 E -2	-2.2649507202 E -3
4.50	2.7025044878 E -1	7.4016102633 E -1	-2.9832551077 E -1	4.2098384411 E -2	-3.156007199 E -3
4.75	2.8449676209 E -1	7.0225191442 E -1	-3.2404059205 E -1	5.1340372926 E -2	-4.3059519952 E -3
5.00	2.9567876060 E -1	6.61444834144 E -1	-3.4844885581 E -1	6.1727485524 E -2	-5.7624504644 E -3
5.25	3.0362006079 E -1	6.1821090821 E -1	-3.7126364391 E -1	7.3215152040 E -2	-7.5713845236 E -3
5.50	3.0830862410 E -1	5.7313555469 E -1	-3.9202762387 E -1	8.5716145885 E -2	-9.7763739929 E -3
5.75	3.0988591151 E -1	5.2691472122 E -1	-4.1034070107 E -1	9.9101973417 E -2	-1.2415655741 E -2
6.00	3.0862270927 E -1	4.8028977942 E -1	-4.2588406558 E -1	1.1320707581 E -1	-1.5519436058 E -2
6.25	3.0488582028 E -1	4.3400029179 E -1	-4.3843767817 E -1	1.2783636634 E -1	-1.9107618267 E -2
6.50	2.9910034830 E -1	3.8873637876 E -1	-4.4788929669 E -1	1.4277536075 E -1	-2.3188200971 E -2
6.75	2.9171224230 E -1	3.4509921999 E -1	-4.5423423791 E -1	1.5780182904 E -1	-2.7756565625 E -2
7.00	2.8315517670 E -1	3.0357360631 E -1	-4.5806195447 E -1	1.7269761612 E -1	-3.2795736279 E -2
7.25	2.7382476396 E -1	2.6451440237 E -1	-4.5806195447 E -1	1.8725925216 E -1	-3.8277548985 E -2
7.50	2.6406165552 E -1	2.2814655482 E -1	-4.5595932115 E -1	2.0130623764 E -1	-4.4164646895 E -2
7.75	2.5414354937 E -1	1.9457628234 E -1	-4.5153681950 E -1	2.1468637859 E -1	-5.0411822580 E -2
8.00	2.4428482110 E -1	1.6380979942 E -1	-4.4509230731 E -1	2.2727811486 E -1	-5.6970067964 E -2
8.25	2.3464169785 E -1	1.357759301 E -1	-4.3692577399 E -1	2.389926080 E -1	-6.3786903070 E -2
8.50	2.2532068692 E -1	1.1034679181 E -1	-4.2732616952 E -1	2.4975985503 E -1	-7.0809052259 E -2
8.75	2.1638824603 E -1	8.7361198248 E -2	-4.1656250983 E -1	2.5954887537 E -1	-7.7983682475 E -2
9.00	2.0788022311 E -1	6.6637691626 E -2	-4.048784263 E -1	2.6834047332 E -1	-8.5259467271 E -2
9.25	1.9981018597 E -1	4.7988662350 E -2	-3.9289156473 E -1	2.7613520269 E -1	-9.2587353144 E -2
9.50	1.9217625896 E -1	3.1228770559 E -2	-3.7959703694 E -1	2.8294753143 E -1	-9.9921092468 E -2
9.75	1.8496642830 E -1	1.6180645503 E -2	-3.6633834673 E -1	2.888027537 E -1	-1.0721760111 E -1
10.00	1.7816247353 E -1	2.6782320683 E -2	-3.5287483637 E -1	2.9373449032 E -1	-1.1443718617 E -1

TABLE 25a - Prolate Coefficients  $d_{l,3}$

C	r=11	r=13	r=15	r=17	r=19
0.25	1.4930274837 E-14	-1.4892148271 E-18	1.0948669375 E-22	-6.1885414848 E-27	2.7757327755 E-31
0.50	3.8152064447 E-12	-1.5222048877 E-15	4.4765276166 E-19	-1.0121187955 E-22	1.8158045610 E-26
0.75	9.7489934915 E-11	-8.7520144658 E-14	5.7911753906 E-17	-2.9460879758 E-20	1.1892829937 E-23
1.00	9.6989349276 E-10	-1.5479886267 E-12	1.8210312980 E-15	-1.6469049629 E-18	1.1819788952 E-21
1.25	5.7525169187 E-9	-1.4346638817 E-11	2.6371880847 E-14	-3.7268728647 E-17	4.1792961359 E-20
1.50	2.4594128525 E-8	-8.8334307925 E-11	2.3383794033 E-13	-4.7588915777 E-16	7.6850501488 E-19
1.75	8.3884289890 E-8	-4.1014305689 E-10	1.4779555189 E-12	-4.0943217824 E-15	9.0000574423 E-18
2.00	2.4251064861 E-7	-1.5490266588 E-9	7.2918041058 E-12	-2.6387033497 E-14	7.5746762085 E-17
2.25	6.1800875487 E-7	-4.9974766430 E-9	2.9779872245 E-11	-1.3641224462 E-13	4.9579490103 E-16
2.50	1.4259663955 E-6	-1.4241150832 E-8	1.0479816092 E-10	-5.9277913325 E-13	2.6603015828 E-15
2.75	3.0365568685 E-6	-3.6712791818 E-8	3.2701656051 E-10	-2.2388046039 E-12	1.2160078299 E-14
3.00	6.0524715300 E-6	-8.7140346092 E-8	9.2416628962 E-10	-7.5323167413 E-12	4.0702221424 E-14
3.25	1.1412517025 E-5	-1.9288687914 E-7	2.4034595988 E-9	-2.3000196899 E-11	1.7459361294 E-13
3.50	2.0524292111 E-5	-4.0290251895 E-7	5.8234080173 E-9	-6.4665681667 E-11	5.6954034794 E-13
3.75	3.5427156121 E-5	-7.9925022551 E-7	1.3272261142 E-8	-1.69229456836 E-10	1.712527019 E-12
4.00	5.8982780646 E-5	-1.5159834719 E-6	2.8670055836 E-8	-4.1639142660 E-10	4.7951914459 E-12
4.25	9.5084946059 E-5	-2.7629860835 E-6	5.9052596169 E-8	-9.6901095286 E-10	1.2604920507 E-11
4.50	1.4887342407 E-4	-4.8577988918 E-6	1.1653715327 E-7	-2.1458376296 E-9	3.1318626453 E-11
4.75	2.2692978507 E-4	-8.2650049860 E-6	2.2120209184 E-7	-4.5426637756 E-9	7.3929139275 E-11
5.00	3.3742715924 E-4	-1.3642612075 E-5	4.0512337300 E-7	-9.2280844658 E-9	1.6654222860 E-10
5.25	4.9020297031 E-4	-2.1893519049 E-5	7.1778567002 E-7	-1.8045204785 E-8	3.5935004000 E-10
5.50	6.9672513160 E-4	-3.4218747592 E-5	1.2336123344 E-6	-3.4057195547 E-8	7.44977169243 E-10
5.75	9.6992957858 E-4	-5.2167821265 E-5	2.0574319888 E-6	-6.2178026501 E-8	1.4877779909 E-9
6.00	1.3239208780 E-3	-7.7680846656 E-5	3.3403291143 E-6	-1.1002902045 E-7	2.8689192976 E-9
6.25	1.7735468902 E-3	-1.1311687055 E-4	5.2845387528 E-6	-1.8905596225 E-7	5.3527320089 E-9
6.50	2.338796633 E-3	-1.6126419104 E-4	8.1578824270 E-6	-3.1593052253 E-7	9.6810837849 E-9
6.75	3.0196524954 E-3	-2.2533041629 E-4	1.2308548146 E-5	-5.1428339747 E-7	1.7002768351 E-8
7.00	3.8447115716 E-3	-3.0891272626 E-4	1.8155817634 E-5	-8.1649746780 E-7	2.9045328127 E-8
7.25	4.8215362148 E-3	-4.1595125176 E-4	2.6236432490 E-5	-1.2663400405 E-6	4.833663201 E-8
7.50	5.9688654836 E-3	-5.5067002441 E-4	3.7186629243 E-5	-1.9210749631 E-6	7.84883403660 E-8
7.75	7.2714461842 E-3	-7.1751023327 E-4	5.1746398551 E-5	-2.8543474118 E-6	1.2451282147 E-7
8.00	8.7598959569 E-3	-9.2105974354 E-4	7.0771821141 E-5	-4.1589864444 E-6	1.9328354316 E-7
8.25	1.0430660992 E-2	-1.1659815409 E-3	9.5241353465 E-5	-5.950234987 E-6	2.9396992847 E-7
8.50	1.2286043101 E-2	-1.4509427684 E-3	1.2629153371 E-4	-8.3675697877 E-6	4.3862261798 E-7
8.75	1.4326273407 E-2	-1.7985447510 E-3	1.6500493399 E-4	-1.1579907223 E-5	6.4280593244 E-7
9.00	1.6549616149 E-2	-2.192553877 E-3	2.1282946667 E-4	-1.5786285902 E-5	9.2631037503 E-7
9.25	1.8952492491 E-2	-2.6513439011 E-3	2.7114771736 E-4	-2.121960225 E-5	1.3139352204 E-6
9.50	2.1529619011 E-2	-3.1708194165 E-3	3.4147946643 E-4	-2.814874156 E-5	1.834345135 E-6
9.75	2.4274158130 E-2	-3.7573743232 E-3	4.2542896200 E-4	-3.6880787962 E-5	2.5309156916 E-6
10.00	2.7177878589 E-2	-4.4443335916 E-3	5.2466962844 E-4	-4.7762374501 E-5	3.4427788094 E-6

TABLE 25b - Prolete Coefficients  $d_1^{0.3}$

C	r=21	r=23	r=25	r=27	r=29
0.25	-2.6498091564 E-10	1.0633704505 E-30	-1.8404601673 E-29	7.9382337784 E-31	-9.4446393295 E-31
0.50	-3.9048376712 E-27	3.3411745011 E-28	-1.0106448218 E-27	3.1913217898 E-29	-2.007704692 E-29
1.00	-6.8994082373 E-25	2.8843794424 E-24	-2.9849531326 E-26	7.8206570429 E-28	-3.0911860075 E-28
1.25	-3.8118523455 E-23	1.0998934739 E-24	-5.6002359971 E-25	1.313479902 E-26	
1.50	-1.0093884323 E-21	2.3865990438 E-23	-7.4312209256 E-24	1.6379772398 E-25	
1.75	-1.6090665516 E-20	3.4280022386 E-22	-7.5056320541 E-23		
2.00	-1.7693925285 E-19	3.593841075 E-21			
2.25	-1.4655422367 E-18	2.9378867464 E-20			
2.50	-9.7096292636 E-18				
2.75	-5.3712124871 E-17	1.9681045510 E-19	-6.0806278227 E-22	1.6058377878 E-24	-3.6672099981 E-27
3.00	-2.5607190086 E-16	1.1168880156 E-18	-4.1071963676 E-21	1.2910285160 E-23	-3.509202747 E-26
3.25	-1.0776797458 E-15	5.5176342356 E-18	-2.3818339332 E-20	8.7882086018 E-23	-2.6038933871 E-25
3.50	-4.0785449963 E-15	2.422491763 E-17	-1.213092993 E-19	5.1921036195 E-22	-1.9215493262 E-24
3.75	-1.4083887838 E-14	9.6062324034 E-17	-5.5237817075 E-19	2.7146701198 E-21	-1.1535667287 E-23
4.00	-4.4890283781 E-14	3.4850571415 E-16	-2.2808343350 E-18	2.7146701198 E-21	-6.1694087941 E-23
4.25	-1.3329360134 E-13	1.1687342408 E-15	-8.6381053155 E-18	5.4559890243 E-20	-2.9794812321 E-22
4.50	-3.7148257674 E-13	3.6534432152 E-15	-3.0285127492 E-17	2.1452782441 E-19	-1.313794499 E-21
4.75	-9.7765769529 E-13	1.071826130 E-14	-9.9041866515 E-17	7.819840118 E-19	-5.3375883520 E-21
5.00	-2.4419446283 E-12	2.9681010563 E-14	-3.0402636455 E-16	2.6608099912 E-18	-2.0130815622 E-20
5.25	-5.8130516682 E-12	7.7941692882 E-14	-8.8061342892 E-16	8.5004635474 E-18	-7.0920356101 E-20
5.50	-1.3235143945 E-11	1.9487036980 E-13	-2.4175450027 E-15	2.5621987565 E-18	-2.3471086354 E-19
5.75	-2.8908620110 E-11	4.6547217464 E-13	-6.3144157900 E-15	7.3173245872 E-17	-7.329002353 E-19
6.00	-6.0736528652 E-11	1.0653525342 E-12	-1.5743654465 E-14	1.9872509233 E-16	-2.1679578824 E-18
6.25	-1.2303194920 E-10	2.3428398628 E-12	-3.7581084910 E-14	5.1489775454 E-16	-6.0968148838 E-18
6.50	-2.4079988550 E-10	4.9616909225 E-12	-8.6114160280 E-14	1.2765006738 E-15	-1.6352327669 E-17
6.75	-4.5626676404 E-10	1.0142003642 E-11	-1.898775242 E-13	3.0360315814 E-15	-4.1950314393 E-17
7.00	-8.3850681138 E-10	2.0049983893 E-11	-4.0378125324 E-13	6.9445592779 E-15	-1.0321150078 E-16
7.25	-1.4972023975 E-9	3.8409677445 E-11	-8.2987142047 E-13	1.5312168515 E-14	-2.4414030155 E-16
7.50	-2.6017696849 E-9	7.1433756537 E-11	-1.6517335666 E-12	3.2615706872 E-14	-5.5652762714 E-16
7.75	-4.4072749664 E-9	1.2920107845 E-10	-3.1897952467 E-12	6.7252720941 E-14	-1.2252671120 E-15
8.00	-7.2887511235 E-9	2.2764430353 E-10	-5.9877981220 E-12	1.3450354724 E-14	-2.6108359062 E-15
8.25	-1.1783684196 E-8	3.9135149834 E-10	-1.0944584458 E-11	2.6139633253 E-13	-7.3949707857 E-15
8.50	-1.8658561218 E-8	6.5743059260 E-10	-1.9510236233 E-11	4.9449364114 E-14	-1.0830867195 E-14
8.75	-2.8959436424 E-8	1.0807336162 E-9	-3.3971618996 E-11	9.1205898607 E-13	-2.1161852342 E-14
9.00	-4.4118470466 E-8	1.7407872052 E-9	-5.7859000027 E-11	1.6426447473 E-12	-4.0305139880 E-14
9.25	-6.6048316913 E-8	2.7508249744 E-9	-9.6518669198 E-11	2.8928993459 E-12	-7.4943343800 E-14
9.50	-9.7268067152 E-8	4.2693637993 E-9	-1.5788937679 E-10	4.9883521506 E-12	-1.3623002794 E-13
9.75	-1.4104821788 E-7	6.5148074492 E-9	-2.5356484005 E-10	8.4321300543 E-12	-2.4240157761 E-13
10.00	-2.0157779785 E-7	9.78355949374 E-9	-4.0019441649 E-10	1.3988018647 E-11	-4.2270174769 E-13

TABLE 26 -- Prolete Coefficients  $d_1^0$

C	r = 0	r = 2	r = 4	r = 6	r = 8
0.25	3.5429142499 E -7	8.5075983357 E -4	1.0004154780 E 0	-8.6124815057 E -4	2.9727675121 E -7
0.50	5.6678181065 E -6	3.4080705448 E -3	1.0016510242 E 0	-3.4493765578 E -3	4.7625755189 E -6
0.75	2.8685687531 E -5	7.8869860081 E -3	1.0036739877 E 0	-7.7774229443 E -3	2.4162236179 E -5
1.00	9.0623686801 E -5	1.3712456528 E -2	1.0064299894 E 0	-1.3866741953 E -2	7.6592244511 E -5
1.25	2.2111774074 E -4	2.1519093135 E -2	1.0098429605 E 0	-2.1746462232 E -2	1.8770299406 E -4
1.50	4.5812954521 E -4	3.1150776895 E -2	1.0138151479 E 0	-3.1452764441 E -2	3.9100805464 E -4
1.75	8.4778271632 E -4	4.2660033920 E -2	1.0182270205 E 0	-4.3028015274 E -2	7.282797383 E -4
2.00	1.4440925271 E -3	5.6107046544 E -2	1.0229369672 E 0	-5.6519795393 E -2	1.2499816034 E -3
2.25	2.3085365293 E -3	7.1558099397 E -2	1.0277806300 E 0	-7.1979851631 E -2	2.0158803780 E -3
2.50	3.5093908869 E -3	8.9083162385 E -2	1.0325696597 E 0	-8.9462979104 E -2	3.0956047529 E -3
2.75	5.1207261769 E -3	1.0875219184 E -1	1.0370896442 E 0	-1.0902578858 E -1	4.5693949146 E -3
3.00	7.2209164314 E -3	1.3042959715 E -1	1.0410969540 E 0	-1.3072523043 E -1	6.5289065320 E -3
3.25	9.8904699644 E -3	1.5476620118 E -1	1.0443143337 E 0	-1.5461662368 E -1	9.078112597 E -3
3.50	1.3208950977 E -2	1.8118797510 E -1	1.0464252078 E 0	-1.8075078181 E -1	1.2334253273 E -2
3.75	1.7250749161 E -2	2.0988094256 E -1	1.0470671415 E 0	-2.0916965698 E -1	1.6428773539 E -2
4.00	2.2079504987 E -2	2.4077204850 E -1	1.0458253349 E 0	-2.3989979136 E -1	2.1508025731 E -2
4.25	2.7741157661 E -2	2.7370659821 E -1	1.0422279083 E 0	-2.7294285128 E -1	2.7733484959 E -2
4.50	3.425880122 E -2	3.0842414563 E -1	1.0357455130 E 0	-3.0826273590 E -1	3.5281027893 E -2
4.75	4.1609611683 E -2	3.4453631503 E -1	1.0257984389 E 0	-3.4576929757 E -1	4.4338687076 E -2
5.00	4.9746401649 E -2	3.8151156299 E -1	1.0117743901 E 0	-3.8559961027 E -1	5.5102350489 E -2
5.25	5.8563180593 E -2	4.1867264523 E -1	9.9305907347 E -1	-4.2659884881 E -1	6.7768832630 E -2
5.50	6.7908652576 E -2	4.5521182980 E -1	9.6907954036 E -1	-4.6930389029 E -1	8.2526128233 E -2
5.75	7.7587587405 E -2	4.9022235971 E -1	9.3935718285 E -1	-5.1293331312 E -1	9.9541039065 E -2
6.00	8.7370824247 E -2	5.227272000 E -1	9.0356423954 E -1	-5.5688722326 E -1	1.1894489950 E -1
6.25	9.7010703056 E -2	5.5193402861 E -1	8.6157564904 E -1	-6.0045921580 E -1	1.4081861231 E -1
6.50	1.0625862424 E -1	5.7689169667 E -1	8.1350781378 E -1	-6.4286103127 E -1	1.6517855566 E -1
6.75	1.1488471389 E -1	5.9699131810 E -1	7.5973739625 E -1	-6.835851686 E -1	1.9196507047 E -1
7.00	1.2269457834 E -1	6.1179369599 E -1	7.0089617035 E -1	-7.2081576428 E -1	2.2103516412 E -1
7.25	1.2954245297 E -1	6.2110448347 E -1	6.3784144925 E -1	-7.5474302924 E -1	2.5216077342 E -1
7.50	1.3533881795 E -1	6.2497933713 E -1	5.7160504082 E -1	-7.8434336000 E -1	2.8503342029 E -1
7.75	1.4005198750 E -1	6.2370506212 E -1	5.0332657855 E -1	-8.0905282533 E -1	3.192738271 E -1
8.00	1.4370398266 E -1	6.1776047084 E -1	4.3417913028 E -1	-8.2846987880 E -1	3.5445644665 E -1
8.25	1.4636175716 E -1	6.0776320543 E -1	3.6529590170 E -1	-8.4237073624 E -1	3.9011402928 E -1
8.50	1.4812539516 E -1	5.9441025630 E -1	2.9770644147 E -1	-8.5070958852 E -1	4.2578416615 E -1
8.75	1.4911515182 E -1	5.7842007925 E -1	2.3228891481 E -1	-8.5360452023 E -1	4.6100574580 E -1
9.00	1.4945911979 E -1	5.6048301429 E -1	1.6974206488 E -1	-8.5131258284 E -1	4.9535858625 E -1
9.25	1.4928290550 E -1	5.4122441476 E -1	1.1057705444 E -1	-8.4419768205 E -1	5.2846784713 E -1
9.50	1.4870210569 E -1	5.2118210628 E -1	5.5162324724 E -2	-8.3269667792 E -1	5.6001465657 E -1
9.75	1.478175205 E -1	5.0079723401 E -1	3.5646293473 E -2	-8.1728734501 E -1	5.8973940910 E -1
10.00	1.4671439272 E -1	4.80041578920 E -1	-4.4063208778 E -2	-7.9846112818 E -1	6.1744070758 E -1

TABLE 26a - Prolate Coefficients  $d_{1,4}$

C	r=10	r=12	r=14	r=16	r=18
0.25	-5.7522810450 E-11	7.2245228273 E-15	-6.4077278728 E-19	4.2426357697 E-23	-2.1817242746 E-27
0.50	-3.6862644656 E-9	1.8519077629 E-12	-6.5701764566 E-16	1.7400866014 E-19	-3.5792862204 E-23
0.75	-4.2079935864 E-8	4.7566131915 E-11	-3.7970247127 E-14	2.2626338837 E-17	-1.0472140372 E-20
1.00	-2.3714769548 E-7	4.7657549388 E-10	-6.7633807498 E-13	7.1652054459 E-16	-5.8955532756 E-19
1.25	-9.0814563734 E-7	2.8517292387 E-9	-6.3237505981 E-12	1.0468159727 E-14	-1.3458394100 E-17
1.50	-2.7244496042 E-6	1.2320386375 E-8	-3.9343661026 E-11	9.3788372504 E-14	-1.7363887761 E-16
1.75	-6.9079472223 E-6	4.2523823586 E-8	-1.8484492253 E-10	5.9978920298 E-13	-1.5115005753 E-15
2.00	-1.5489568062 E-5	1.2455721605 E-7	-7.0724823931 E-10	2.9976806155 E-12	-9.8673034569 E-15
2.25	-3.1625649710 E-5	3.2192879013 E-7	-2.313811653 E-9	1.2413243740 E-11	-5.1718249950 E-14
2.50	-5.4981272350 E-5	7.5399078530 E-7	-6.6915925576 E-9	4.4326597595 E-11	-2.2802427932 E-13
2.75	-1.0718949534 E-4	1.630443469 E-6	-1.7518357560 E-8	1.4043934968 E-10	-8.7428726751 E-13
3.00	-1.823760724 E-4	3.3042915038 E-6	-4.2251837898 E-8	4.0319829493 E-10	-2.9877123428 E-12
3.25	-2.9791380244 E-4	6.3375599475 E-6	-9.5145006690 E-8	1.0658860559 E-9	-9.2715739065 E-12
3.50	-4.6996935576 E-4	1.1603288171 E-5	-2.0212972562 E-7	2.6271433092 E-9	-2.6510552782 E-11
3.75	-7.1961080092 E-4	2.0413609268 E-5	-4.0847166578 E-7	6.0973170249 E-9	-7.065477952 E-11
4.00	-1.0737312027 E-3	3.4693180962 E-5	-7.9043997326 E-7	1.3432075888 E-8	-1.7717348512 E-10
4.25	-1.5662357620 E-3	5.7204352720 E-5	-1.4726635015 E-6	2.8269920999 E-8	-4.2117315457 E-10
4.50	-2.2393109238 E-3	9.1834739837 E-5	-2.6533514902 E-6	5.7148335492 E-8	-9.5511243114 E-10
4.75	-3.1447256062 E-3	1.4393590085 E-4	-4.6400962146 E-6	1.1145622157 E-7	-2.0769441999 E-9
5.00	-4.3450398348 E-3	2.2085753497 E-4	-7.8994534001 E-6	2.1047190523 E-7	-4.3493733943 E-9
5.25	-5.9145377428 E-3	3.3225362257 E-4	-1.3123758563 E-5	3.8598194698 E-7	-8.8021339798 E-9
5.50	-7.9396524752 E-3	4.9084490185 E-4	-2.1318479198 E-5	6.8908273485 E-7	-1.7264726416 E-8
5.75	-1.0518626777 E-2	7.1290665033 E-4	-3.3912601227 E-5	1.1999160526 E-6	-3.2897221237 E-8
6.00	-1.3760169035 E-2	1.0188536567 E-3	-5.2892913337 E-5	2.0411678261 E-6	-6.1011142234 E-8
6.25	-1.7780927111 E-2	1.4337181851 E-3	-8.0960486634 E-5	3.3961750682 E-6	-1.1029946119 E-7
6.50	-2.2701710021 E-2	1.9874649508 E-3	-1.2170420716 E-4	5.3231780524 E-6	-1.9462111290 E-7
6.75	-2.8642532800 E-2	2.7150633323 E-3	-1.7978218802 E-4	8.8305880734 E-6	-3.3550617607 E-7
7.00	-3.5716730683 E-2	3.6562450225 E-3	-2.6109783911 E-4	1.3820096318 E-5	-5.6555666036 E-7
7.25	-4.4024566837 E-2	4.8548981540 E-3	-3.7295418697 E-4	2.1219046230 E-5	-9.3290838715 E-7
7.50	-5.3646915281 E-2	6.3580875681 E-3	-5.2416880023 E-4	3.1978805923 E-5	-1.5068876776 E-6
7.75	-6.4639698313 E-2	8.2147421349 E-3	-7.2513338896 E-4	4.7330442414 E-5	-2.3849432541 E-6
8.00	-7.7029752527 E-2	1.0474105115 E-2	-9.8780725914 E-4	6.8830981665 E-5	-3.7008663118 E-6
8.25	-9.0812658568 E-2	1.3184088808 E-2	-1.3256417495 E-3	9.8407077969 E-5	-5.6342432515 E-6
8.50	-1.0595280046 E-1	1.6389495340 E-2	-1.7534418011 E-3	1.3839405485 E-4	-8.4210303166 E-6
8.75	-1.223857162 E-1	2.0131651995 E-2	-2.2871784025 E-3	1.9156891511 E-4	-1.2365108359 E-5
9.00	-1.4002130721 E-1	2.443363601 E-2	-2.943769592 E-3	2.6117662679 E-4	-1.7850658626 E-5
9.25	-1.5875029283 E-1	2.9360220198 E-2	-3.7408467495 E-3	3.5094953052 E-4	-2.5355209040 E-5
9.50	-1.7844813745 E-1	3.4899236014 E-2	-4.6965194724 E-3	4.6511993439 E-4	-3.5463177741 E-5
9.75	-1.9898089884 E-1	4.1078953517 E-2	-5.8291446593 E-3	6.0842388287 E-4	-4.8879727010 E-5
10.00	-2.2020955389 E-1	4.7909531318 E-2	-7.1571027366 E-3	7.8610985186 E-4	-6.6444694635 E-5

TABLE 26b -- Prolete Coefficients  $d_i^{0.4}$

C	r=20	r=22	r=24	r=26	r=28
0.25	5.6910914555 E-27	-7.9412829119 E-31	2.9773207071 E-31	-4.8876021621 E-30	1.9979485909 E-31
0.50	3.8781061728 E-24	-1.1762490576 E-27	9.4179559146 E-29	-2.7116320682 E-28	8.1257906072 E-30
0.75	3.8814068599 E-22	-2.0929065275 E-25	8.2017006760 E-27	-8.1023544810 E-27	3.0167305056 E-28
1.00	1.3844782045 E-20	-1.1644668305 E-23	3.1598789472 E-25	-1.5395701756 E-25	3.4333429263 E-27
1.25	2.5722456466 E-19	-3.1208255661 E-22	6.9366359746 E-24	-2.0708566928 E-24	4.3427099930 E-26
1.50	3.047768712 E-18	-5.0332027628 E-21	1.0091169589 E-22	-2.1215851780 E-23	
2.00	2.5988201586 E-17	-5.6058215580 E-20	1.0724351585 E-21		
2.25	1.7240673458 E-16	-4.1070077423 E-19	8.8990826619 E-21		
2.50	9.3851946023 E-16	-3.1635816098 E-18			
2.75	4.3546157037 E-15	-1.7762753466 E-17	6.0463686743 E-20	-1.7443071880 E-22	4.3204849988 E-25
3.00	1.7712238682 E-14	-8.5992697171 E-17	3.4838955690 E-19	-1.1963067029 E-21	3.5263340825 E-24
3.25	6.4519460286 E-14	-3.6167749688 E-16	1.7484294630 E-18	-7.0462579135 E-21	2.4380278202 E-23
3.50	2.1400471539 E-13	-1.4146499207 E-15	7.8030784985 E-18	-3.6475569807 E-20	1.4638611193 E-22
3.75	6.5494344852 E-13	-4.9711227557 E-15	3.1483283079 E-17	-1.6897093848 E-19	7.7856664439 E-22
4.00	1.8691975025 E-12	-1.6146687536 E-14	1.1637679543 E-16	-7.1078854513 E-19	3.7269552244 E-21
4.25	5.0182475907 E-12	-4.8953396030 E-14	3.9842257404 E-16	-2.7477523004 E-18	1.626808371 E-20
4.50	1.276445 341 E-11	-1.3965394230 E-13	1.2746890435 E-15	-9.8583904734 E-18	6.545092529 E-20
4.75	3.094447 72 E-11	-3.7739500077 E-13	3.895205895 E-15	-3.3094532322 E-17	2.4489263585 E-19
5.00	7.18494	-9.7145348479 E-13	1.0955931777 E-14	-1.0468183771 E-16	8.58553438430 E-19
5.25	1.6043119986 E-10	-2.3929381960 E-12	2.9768575392 E-14	-3.1372215795 E-16	2.8377228053 E-18
5.50	3.4564720712 E-10	-5.6621371033 E-12	7.7350184461 E-14	-8.950551845 E-16	8.8894598300 E-18
5.75	7.2052208537 E-10	-1.2910235782 E-11	1.9288524581 E-13	-2.4408640057 E-15	2.6507126841 E-17
6.00	1.4564789151 E-9	-2.8439107316 E-11	4.6296157911 E-13	-6.3827438128 E-15	7.5510459983 E-17
6.25	2.8602061241 E-9	-6.0652645210 E-11	1.0721466754 E-12	-1.6048798273 E-14	2.0612493746 E-16
6.50	5.4648363511 E-9	-1.2545831500 E-10	2.4055176357 E-12	-3.8890350302 E-14	5.4055231677 E-16
6.75	1.0171456055 E-8	-2.5205974850 E-10	5.2051757897 E-12	-9.100040773 E-14	1.3648035342 E-15
7.00	1.8461692883 E-8	-4.9249844736 E-10	1.0946529306 E-11	-2.0595372692 E-13	3.5238115119 E-15
7.25	3.2706889773 E-8	-9.3686426044 E-10	2.2355199738 E-11	-4.5148811565 E-13	7.8206778382 E-15
7.50	5.6603559459 E-8	-1.7367755771 E-9	4.4384886489 E-11	-9.592521469 E-13	1.7804404188 E-14
7.75	9.5767793521 E-8	-3.1405108623 E-9	8.5743321063 E-11	-1.9818029309 E-12	3.9270461671 E-14
8.00	1.5852265151 E-7	-5.5440217504 E-9	1.6144005095 E-10	-3.9774490266 E-12	8.4024461823 E-14
8.25	2.5691225437 E-7	-9.5629420144 E-9	2.9633824910 E-10	-7.7461194420 E-12	1.7461108300 E-13
8.50	4.0797476472 E-7	-1.6131604277 E-8	5.3094985718 E-10	-1.4782462107 E-11	3.5284134937 E-13
8.75	6.3530428032 E-7	-2.6385979247 E-8	9.2947097098 E-10	-2.7433598416 E-11	6.9413012762 E-13
9.00	9.7092932074 E-7	-4.308835467 E-8	1.5913592160 E-9	-4.9707787924 E-11	1.3309496055 E-12
9.25	1.4575329349 E-6	-6.8352471467 E-8	2.6674079054 E-9	-8.803264079 E-11	2.4904217878 E-12
9.50	2.1510358309 E-6	-1.0642860001 E-7	4.3816721015 E-9	-1.525421491 E-10	4.5526440385 E-12
9.75	3.123558437 E-6	-1.6280860469 E-7	7.0808456050 E-9	-2.5895577901 E-10	8.1403182998 E-12
10.00	4.4667702729 E-6	-2.4491293581 E-7	1.11172968691 E-8	-4.5103193272 E-10	1.4252607835 E-11

TABLE Z7 - Prolate Coefficients 4.05

C	r = 1	r = 3	r = 5	r = 7	r = 9
0.25	2.6840864768 E -7	7.0129149590 E -4	9.9973713425 E -1	-7.0584279807 E -4	2.0760146783 E -7
0.50	4.2942006597 E -3	2.8031536075 E -3	9.9894448775 E -1	-2.8211874391 E -3	3.3190898133 E -6
0.75	2.1736349961 E -5	6.2995349468 E -3	9.9760991308 E -1	-6.3394795291 E -3	1.6781581744 E -5
1.00	6.8682871505 E -5	1.180302701 E -2	9.9571316739 E -1	-1.1249793641 E -2	5.2944234705 E -5
1.25	1.6763121568 E -4	1.7431173072 E -2	9.9322592232 E -1	-1.7536762867 E -2	1.2896560458 E -4
1.50	3.4745237712 E -4	2.5033615910 E -2	9.9011178827 E -1	-2.5180644168 E -2	2.6668666046 E -4
1.75	6.4333011827 E -4	3.3964734564 E -2	9.8632636159 E -1	-3.4157164717 E -2	4.9247193392 E -4
2.00	1.0966639571 E -3	4.4197120602 E -2	9.8181730273 E -1	-4.4437494673 E -2	8.3702171383 E -4
2.25	1.7549214459 E -3	5.5698679806 E -2	9.7652445100 E -1	-5.5988132804 E -2	1.3351585257 E -3
2.50	2.6714214699 E -3	6.8432419949 E -2	9.7037997628 E -1	-6.8770773014 E -2	2.0255914205 E -3
2.75	3.9050253347 E -3	8.2356181064 E -2	9.6330856052 E -1	-8.2742141423 E -2	2.9506619137 E -3
3.00	5.5197055367 E -3	9.7422274053 E -2	9.5522759175 E -1	-9.7853804374 E -2	4.1560758225 E -3
3.25	7.5839523123 E -3	1.1357697230 E -1	9.4604734187 E -1	-1.1405144528 E -1	5.6906256907 E -3
3.50	1.0169964068 E -2	1.3075977292 E -1	9.3567108994 E -1	-1.3127711095 E -1	7.6059087774 E -3
3.75	1.3352548342 E -2	1.4890230979 E -1	9.2399514693 E -1	-1.4946388911 E -1	9.9560451931 E -3
4.00	1.7207634249 E -2	1.6792676221 E -1	9.1090874407 E -1	-1.6854051667 E -1	1.2797398803 E -2
4.25	2.1810266099 E -2	1.8774356791 E -1	8.9629377084 E -1	-1.8842832194 E -1	1.6188298560 E -2
4.50	2.7231914805 E -2	2.0824822904 E -1	8.8002440124 E -1	-2.0904092697 E -1	2.0188748042 E -2
4.75	3.3536917816 E -2	2.2931701533 E -1	8.6196673816 E -1	-2.3028307161 E -1	2.4860094015 E -2
5.00	4.077856695 E -2	2.5080145027 E -1	8.4197874246 E -1	-2.5204890079 E -1	3.0264598758 E -2
5.25	4.8989730589 E -2	2.7252165010 E -1	8.1991089498 E -1	-2.7421954948 E -1	3.6464825446 E -2
5.50	5.8182918400 E -2	2.9425890746 E -1	7.9560824518 E -1	-2.9665990349 E -1	4.3522703801 E -2
5.75	6.8335175800 E -2	3.1574838423 E -1	7.6891468105 E -1	-3.1921453237 E -1	5.1498103109 E -2
6.00	7.9383298168 E -2	3.3667336011 E -1	7.3968032399 E -1	-3.4170300840 E -1	6.0446717202 E -2
6.25	9.1215559068 E -2	3.5666304295 E -1	7.077279620 E -1	-3.6391513919 E -1	7.0417083007 E -2
6.50	1.036649085 E -1	3.7529625389 E -1	6.7309262006 E -1	-3.8560700539 E -1	8.1446633053 E -2
6.75	1.1651581746 E -1	3.9211307011 E -1	6.3559215750 E -1	-4.0649900790 E -1	9.3556834219 E -2
7.00	1.2949316691 E -1	4.0663553370 E -1	5.9529639604 E -1	-4.2627724838 E -1	1.0674767769 E -1
7.25	1.4228945937 E -1	4.1839684563 E -1	5.5232282043 E -1	-4.4459936770 E -1	1.2099201653 E -1
7.50	1.5457466605 E -1	4.2697642504 E -1	5.0689695158 E -1	-4.6110540850 E -1	1.3623043476 E -1
7.75	1.6602023762 E -1	4.3203644116 E -1	4.5936019971 E -1	-4.75433444149 E -1	1.5236741658 E -1
8.00	1.7632346558 E -1	4.3335452596 E -1	4.1016754721 E -1	-4.8723880124 E -1	1.6926953501 E -1
8.25	1.8523035250 E -1	4.3084765975 E -1	3.5987405354 E -1	-4.9621504172 E -1	1.8676620394 E -1
8.50	1.9255398379 E -1	4.2458358096 E -1	3.0911088254 E -1	-5.0211430660 E -1	2.0465327201 E -1
8.75	1.9818603736 E -1	4.1477808033 E -1	2.5855310828 E -1	-5.0476476797 E -1	2.2269942389 E -1
9.00	2.0210030756 E -1	4.0177868667 E -1	2.0888269202 E -1	-5.0408308886 E -1	2.4065502942 E -1
9.25	2.0434831784 E -1	3.8603712636 E -1	1.6075062225 E -1	-5.0008043613 E -1	2.5826277424 E -1
9.50	2.0504817663 E -1	3.6804220949 E -1	1.1474225053 E -1	-4.9286135611 E -1	2.7526914883 E -1
9.75	2.0436862344 E -1	3.4844220956 E -1	7.1349360435 E -2	-4.8261565229 E -1	2.9143571228 E -1
10.00	2.0251069140 E -1	3.2768739427 E -1	3.0951530266 E -2	-4.6960440180 E -1	3.0654943115 E -1



TABLE Z1a - Prolate Coefficients  $d_{l,0}^{(5)}$

C	r=11	r=13	r=15	r=17	r=19
0.25	-3.5069612269 E-11	3.9122330221 E-15	-3.1227955686 E-19	1.8602177491 E-23	-8.8670012715 E-28
0.50	-2.2427588366 E-9	1.0007798808 E-12	-3.195353209 E-16	7.6956405263 E-20	-1.4516917118 E-23
0.75	-2.551302988 E-8	2.5616973234 E-11	-1.8403220557 E-14	9.9725131603 E-18	-4.2327117293 E-21
1.00	-1.4310638343 E-7	2.5543858303 E-10	-3.2623856663 E-13	3.1428787750 E-16	-2.3714960215 E-19
1.25	-5.446287272 E-7	1.5191856913 E-9	-3.0317131456 E-12	4.5635924904 E-15	-5.3805502344 E-18
1.50	-1.6220661483 E-6	6.5149035087 E-9	-1.8722353232 E-11	4.0583665601 E-14	-6.8903474133 E-17
1.75	-4.0773902529 E-6	2.2291602661 E-8	-8.7197851747 E-11	2.5727883996 E-13	-5.9456361872 E-16
2.00	-9.0527055657 E-6	6.464844223 E-8	-3.3031814141 E-10	1.2730164703 E-12	-3.8424188206 E-15
2.25	-1.8279246616 E-5	1.6523175072 E-7	-1.0685832903 E-9	5.2124448860 E-12	-1.9914085362 E-14
2.50	-3.4245081773 E-5	3.82222224785 E-7	-3.0520604823 E-9	1.83361307846 E-11	-8.6703690040 E-14
2.75	-6.0379624505 E-5	8.1560895610 E-7	-7.8814533819 E-9	5.744084687 E-11	-3.2787091249 E-13
3.00	-1.0125371719 E-4	1.628148742 E-6	-1.8727247928 E-8	1.6245171216 E-10	-1.1036437582 E-12
3.25	-1.6279426833 E-4	3.0731891154 E-6	-4.1494838204 E-8	4.2251545565 E-10	-3.3692142159 E-12
3.50	-2.5251284779 E-4	5.5307242049 E-6	-8.6632433558 E-8	1.0232703218 E-9	-9.4649172920 E-12
3.75	-3.7974820905 E-4	9.5530271856 E-6	-1.7183786751 E-7	2.3306023707 E-9	-2.4751867572 E-11
4.00	-5.592335980 E-4	1.5921571783 E-5	-3.2599225478 E-7	5.0321251962 E-9	-6.0821211415 E-11
4.25	-7.948439091 E-4	2.571708679 E-5	-5.9473559108 E-7	1.0367916961 E-8	-1.4150791691 E-10
4.50	-1.128604788 E-3	4.0404301968 E-5	-1.0482053288 E-6	2.0495525258 E-8	-3.1372414494 E-10
4.75	-1.5294317269 E-3	6.1935386849 E-5	-1.7915871825 E-6	3.9052371840 E-8	-6.6631497319 E-10
5.00	-2.0671929192 E-3	9.2871937558 E-5	-2.9792797630 E-6	7.2002904865 E-8	-1.3619091022 E-9
5.25	-2.7524156470 E-3	1.3653085280 E-4	-4.8336479466 E-6	1.2888900704 E-7	-2.6893168933 E-9
5.50	-3.6153053197 E-3	1.9715461797 E-4	-7.6695204781 E-6	2.2464250494 E-7	-5.1477170480 E-9
5.75	-4.6902823805 E-3	2.8010741495 E-4	-1.1925743639 E-5	3.8216743385 E-7	-9.5790243496 E-9
6.00	-6.0161688408 E-3	3.9209527940 E-4	-1.8205178300 E-5	6.3595666527 E-7	-1.7371816496 E-8
6.25	-7.6362045154 E-3	5.4140436958 E-4	-2.7324438129 E-5	1.0370675931 E-6	-3.0749322050 E-8
6.50	-9.5977973966 E-3	7.3814540588 E-4	-4.0374307943 E-5	1.6598361013 E-6	-5.325323404 E-8
6.75	-1.1951903310 E-2	9.9448498173 E-4	-5.8791053616 E-5	2.6107428957 E-6	-9.0565086102 E-8
7.00	-1.4751939509 E-2	1.3248367994 E-3	-8.4437675360 E-5	4.0398429937 E-6	-1.5092264253 E-7
7.25	-1.8052170323 E-2	1.7459279553 E-3	-1.1969257978 E-4	6.1551071861 E-6	-2.4703919631 E-7
7.50	-2.1905559397 E-2	2.2770649500 E-3	-1.6754126048 E-4	9.2398848829 E-6	-3.9751748519 E-7
7.75	-2.6361154929 E-2	2.9394805942 E-3	-2.3166485753 E-4	1.3673468568 E-5	-6.2923031445 E-7
8.00	-3.1461150160 E-2	3.7565333135 E-3	-3.1651550041 E-4	1.9954420311 E-5	-9.8027441810 E-7
8.25	-3.7237829894 E-2	4.7529788133 E-3	-4.2737463641 E-4	2.8725927264 E-5	-1.5036398824 E-6
8.50	-4.3710665955 E-2	5.9542734400 E-3	-5.7037512477 E-4	4.0802026998 E-5	-2.2716285470 E-6
8.75	-5.0883852962 E-2	7.3857839398 E-3	-7.5248786422 E-4	5.7193154814 E-5	-3.3810029695 E-6
9.00	-5.8744572990 E-2	9.0717905352 E-3	-9.8146139835 E-4	7.9129208854 E-5	-4.9587859355 E-6
9.25	-6.726235166 E-2	1.103449425 E-2	-1.2657150247 E-3	1.0807830271 E-4	-7.1685691980 E-6
9.50	-7.6388467230 E-2	1.3293035362 E-2	-1.6141895263 E-3	1.4575966347 E-4	-1.0217142528 E-5
9.75	-8.6060553372 E-2	1.5862727550 E-2	-2.0361658009 E-3	1.9414969605 E-4	-1.4361232845 E-5
10.00	-9.6200188729 E-2	1.8754416510 E-2	-2.5410661766 E-3	2.5548102819 E-4	-1.9914154190 E-5

TABLE 27b - Prolete Coefficients  $d_{1,5}$

C	r=21	r=23	r=25	r=27	r=29
0.25	2.2066455072 E-27	-2.7635831062 E-31	3.0354111900 E-29	-1.4684942918 E-30	2.2617350778 E-30
0.50	1.4476412824 E-24	-4.0792915773 E-28	2.6271942775 E-27	-8.0864056966 E-29	5.5569166497 E-29
1.00	1.4419319391 E-22	-7.2235086635 E-26	1.0046374814 E-25	-2.3950472462 E-27	9.3530091870 E-28
1.25	5.1117917851 E-20	-4.0012896517 E-24	2.1860760302 E-24	-4.5052222569 E-26	1.1681049644 E-26
1.50	9.4266231765 E-20	-1.062527049 E-22	3.1483309034 E-23	-5.9912905804 E-25	
1.75	1.1071734289 E-18	-1.6986767560 E-21	3.3080333551 E-22	-6.0607305576 E-24	
2.00	9.3463204394 E-18	-1.8729448642 E-20	2.7104835776 E-21		
2.25	6.1304908496 E-17	-1.5549011361 E-19			
2.50	3.2951088078 E-16	-1.0319287852 E-18			
2.75	1.5079549995 E-15	-5.7139633372 E-18	1.8160981138 E-20	-4.9136213747 E-23	1.1459767506 E-25
3.00	6.0412639524 E-15	-2.724805134 E-17	1.0305936992 E-19	-3.3186824226 E-22	9.2112238400 E-25
3.25	2.1646983805 E-14	-1.1458159295 E-16	5.0871438267 E-19	-1.9226616832 E-21	6.2632243509 E-24
3.50	7.0536133110 E-14	-4.3305678028 E-16	2.2303368850 E-18	-9.7755916813 E-21	3.6935088962 E-23
3.75	2.1178693985 E-13	-1.4922844010 E-15	8.8258552708 E-18	-4.4417536093 E-20	1.9266886732 E-22
4.00	5.9222659365 E-13	-4.7504088421 E-15	3.1958556006 E-17	-1.830168252 E-19	9.0333230506 E-22
4.25	1.5558698097 E-12	-1.4091505998 E-14	1.0703869457 E-16	-6.9208809668 E-19	3.8567916757 E-21
4.50	3.8682027391 E-12	-3.9286190220 E-14	3.462108513 E-16	-2.4260023513 E-18	1.5158751778 E-20
4.75	9.1568740768 E-12	-1.0364728555 E-13	9.8385638700 E-16	-7.9490458575 E-18	5.5350410602 E-20
5.00	2.0746192191 E-11	-2.6027988822 E-13	2.7383112200 E-15	-2.4519795180 E-17	1.8921674775 E-19
5.25	4.5186584771 E-11	-6.252844924 E-13	7.2545198126 E-15	-7.1636749718 E-17	6.0961490526 E-19
5.50	9.4977306112 E-11	-1.4429733476 E-12	1.8381387450 E-14	-1.9927158923 E-16	1.8615990753 E-18
5.75	1.9328724708 E-10	-3.2112165089 E-12	4.4728179078 E-14	-5.3016442251 E-16	5.4149589284 E-18
6.00	3.8194353254 E-10	-6.9132394541 E-12	1.0489812284 E-13	-1.5067533922 E-17	1.5067533922 E-17
6.25	7.3464267884 E-10	-1.4437741785 E-11	2.3783666875 E-13	-3.335718245 E-15	4.0256832219 E-17
6.50	1.3783163898 E-9	-2.9319563546 E-11	5.2272017509 E-13	-7.9285138429 E-15	1.0360312524 E-16
6.75	2.5269264183 E-9	-5.8014616855 E-11	1.1161587380 E-12	-1.8267534315 E-14	2.5755219573 E-16
7.00	4.5337273378 E-9	-1.1204199798 E-10	2.3198806086 E-12	-4.0860443161 E-14	6.1988005173 E-16
7.25	7.9702393074 E-9	-2.1149708527 E-10	4.7015784488 E-12	-8.888058660 E-14	1.4474131624 E-15
7.50	1.3742760971 E-8	-3.9067392601 E-10	9.3021547508 E-12	-1.8834495410 E-13	3.2841848196 E-15
7.75	2.3260068760 E-8	-7.068289726 E-10	1.7987907944 E-11	-3.8920339835 E-13	7.2514778077 E-15
8.00	3.868707492 E-8	-1.2536135802 E-9	3.4027196157 E-11	-7.8516399258 E-13	1.559697759 E-14
8.25	6.3174561661 E-8	-2.1807653499 E-9	6.301861292 E-11	-1.5476743705 E-12	3.2723654079 E-14
8.50	1.0147069245 E-7	-3.7229273380 E-9	1.14314699732 E-10	-2.9829849997 E-12	6.7002817185 E-14
8.75	1.6029122838 E-7	-6.2399981368 E-9	2.032321303 E-10	-5.6253530054 E-12	1.3399827034 E-13
9.00	2.4910907254 E-7	-1.0272666611 E-8	3.5437202382 E-10	-1.0383392142 E-11	2.6191931990 E-13
9.25	3.8099137599 E-7	-1.6616782655 E-8	6.0613103282 E-10	-1.8267534315 E-11	5.0066395144 E-13
9.50	5.7362166441 E-7	-2.6420602599 E-8	1.0175481219 E-9	-3.3282326296 E-11	9.3658623998 E-13
9.75	8.5049217964 E-7	-4.1309101509 E-8	1.6773617925 E-9	-5.7834564688 E-11	1.7154164980 E-12
10.00	1.2422655163 E-6	-6.3539638715 E-8	2.7164105953 E-9	-9.8596751037 E-11	3.0782430164 E-12

TABLE 28 - Prolete Coefficients d,06

C	r = 0	r = 2	r = 4	r = 6	r = 8
0.25	3.9104226088 E -11	1.9713508293 E -7	5.9611489922 E -4	1.0001912959 E 0	-5.9840677290 E -4
0.50	2.5025537011 E -9	3.1544064270 E -6	2.3858934272 E -3	1.0007604574 E 0	-2.3950162979 E -3
0.75	2.8503290150 E -8	1.5998214112 E -5	5.3735921331 E -3	1.0016932870 E 0	-5.3939595180 E -3
1.00	1.6012990646 E -7	5.0645668391 E -4	9.5661553636 E -3	1.0029660625 E 0	-9.6019900279 E -3
1.25	6.1073659736 E -7	1.2390743929 E -4	1.4942990100 E -2	1.0045454478 E 0	-1.5028345413 E -2
1.50	1.8231955771 E -6	2.5759206602 E -4	2.1605650182 E -2	1.0063863718 E 0	-2.1684399729 E -2
1.75	4.5958827348 E -6	4.7865192945 E -4	2.9477429512 E -2	1.0084418768 E 0	-2.9583421750 E -2
2.00	1.0235992930 E -5	8.1935440317 E -4	3.8602863952 E -2	1.0104429415 E 0	-3.8740123340 E -2
2.25	2.0739523861 E -5	1.3174768659 E -3	4.8997141816 E -2	1.0129182823 E 0	-4.9170186696 E -2
2.50	3.8996906223 E -5	2.0165212270 E -3	6.0675423165 E -2	1.0151841398 E 0	-6.0889707931 E -2
2.75	6.9022770013 E -5	2.9659423130 E -3	7.3652068430 E -2	1.0173460566 E 0	-7.3914560800 E -2
3.00	1.1620769523 E -4	4.2213827873 E -3	8.7939777013 E -2	1.0192286543 E 0	-8.8259689938 E -2
3.25	1.8758896551 E -4	5.8449050540 E -3	1.0354863622 E -1	1.0209254158 E 0	-1.03936832419 E -1
3.50	2.9213627771 E -4	7.9052075993 E -3	1.2048507966 E -1	1.0220984820 E 0	-1.2096111740 E -1
3.75	4.4104699028 E -4	1.0477809053 E -2	1.3875075140 E -1	1.0226784651 E 0	-1.3933521625 E -1
4.00	6.804371261 E -4	1.3645177352 E -2	1.5834126698 E -1	1.0225142817 E 0	-1.5906325776 E -1
4.25	9.2966468698 E -4	1.7496772901 E -2	1.724485335 E -1	1.0214430005 E 0	-1.8014229792 E -1
4.50	1.3055342549 E -3	2.2128962380 E -2	2.0144083595 E -1	1.0192896968 E 0	-2.0256267078 E -1
4.75	1.7985963883 E -3	2.7644742300 E -2	2.2489792092 E -1	1.0158672959 E 0	-2.2650677225 E -1
5.00	2.4352883376 E -3	3.4153186644 E -2	2.4957219298 E -1	1.0109763852 E 0	-2.5134775319 E -1
5.25	3.2456233445 E -3	4.1768498937 E -2	2.7540471484 E -1	1.0044049762 E 0	-2.7764809090 E -1
5.50	4.2631404858 E -3	5.0608504420 E -2	3.0231857445 E -1	9.9592820761 E -1	-3.0515798508 E -1
5.75	5.5246656782 E -3	6.0792362681 E -2	3.3021518821 E -1	9.8530801532 E -1	-3.3381349342 E -1
6.00	7.0698108954 E -3	7.2437218946 E -2	3.5896944272 E -1	9.7229285514 E -1	-3.6353428450 E -1
6.25	8.9401202738 E -3	8.5633453665 E -2	3.8842486684 E -1	9.5661766696 E -1	-3.9422084757 E -1
6.50	1.117775935 E -2	1.0053815596 E -1	4.1838449821 E -1	9.3800442288 E -1	-4.2575097105 E -1
6.75	1.3823630445 E -2	1.1716647205 E -1	4.4860448619 E -1	9.1616380402 E -1	-4.5797530396 E -1
7.00	1.6914748614 E -2	1.3558061436 E -1	4.7878379642 E -1	8.9079878629 E -1	-4.9071187498 E -1
7.25	2.0481134102 E -2	1.5577661859 E -1	5.0855507759 E -1	8.6161113298 E -1	-5.2373959617 E -1
7.50	2.4541701093 E -2	1.7768944732 E -1	5.3747679822 E -1	8.2831190459 E -1	-5.5679104971 E -1
7.75	2.9099994702 E -2	2.011775532 E -1	5.6502905667 E -1	7.9063657812 E -1	-5.8954525111 E -1
8.00	3.4139812351 E -2	2.2601045186 E -1	5.9061579930 E -1	7.4836809048 E -1	-6.2162155554 E -1
8.25	3.9621488488 E -2	2.518789793 E -1	6.1357625099 E -1	7.013590908 E -1	-6.5257631588 E -1
8.50	4.5479604039 E -2	2.7829084463 E -1	6.3320767476 E -1	6.4956515122 E -1	-6.8190414534 E -1
8.75	5.1622888206 E -2	3.0478975501 E -1	6.4880000742 E -1	5.9307356881 E -1	-7.0904551241 E -1
9.00	5.7936860870 E -2	3.3076583179 E -1	6.5968064862 E -1	5.3212908873 E -1	-7.3340180121 E -1
9.25	6.4289351758 E -2	3.5593308157 E -1	6.652623544 E -1	4.6715196981 E -1	-7.5435795188 E -1
9.50	7.0538516446 E -2	3.7844855822 E -1	6.6510831261 E -1	3.9874295871 E -1	-7.7131154702 E -1
9.75	7.6542484351 E -2	3.9935614108 E -1	6.5894700234 E -1	3.2767306845 E -1	-7.8370601397 E -1
10.00	8.2169447542 E -2	4.172829553 E -1	6.4673133672 E -1	2.5485746259 E -1	-7.9106472845 E -1

TABLE 28a - Prolete Coefficients d, 0.6

C	r=10	r=12	r=14	r=16	r=18
0.25	1.5325278599 E -7	-2.2962062350 E -11	2.3032954327 E -15	-1.6709124244 E -19	9.2225738092 E -24
0.50	2.4534832748 E -6	-1.4704404975 E -9	5.8999392630 E -13	-1.7120348227 E -16	3.7798262828 E -20
0.75	1.2432851997 E -5	-1.6765669049 E -8	1.5135845014 E -11	-9.8822591198 E -15	4.9090737592 E -18
1.00	3.9347154013 E -5	-9.4329639343 E -8	1.5139639617 E -10	-1.7573003065 E -13	1.5519202624 E -16
1.25	9.6228111340 E -5	-3.6046905028 E -7	9.0398840784 E -10	-1.6395277710 E -12	2.2623843462 E -15
1.50	1.9995459612 E -4	-1.0786420147 E -6	3.8953475930 E -9	-1.0173558738 E -11	2.0215722664 E -14
1.75	3.7134082467 E -4	-2.7267054156 E -6	1.3403482140 E -8	-4.7448581317 E -11	1.2887510358 E -13
2.00	6.3523904021 E -4	-6.0928976917 E -6	3.9121119350 E -8	-1.8165382203 E -10	6.4174169981 E -13
2.25	1.0206537088 E -3	-1.2391442901 E -5	1.0070417248 E -7	-5.9184652111 E -10	2.4463500598 E -12
2.50	1.5608637986 E -3	-2.3398777098 E -5	2.3478922207 E -7	-1.7036717169 E -9	9.4050754810 E -12
2.75	2.2935493101 E -3	-4.1611495495 E -5	5.0529138270 E -7	-4.4368595680 E -9	2.9639279740 E -11
3.00	3.2609178980 E -3	-7.0427200985 E -5	1.0179368964 E -6	-1.0638584733 E -8	8.4584654624 E -11
3.25	4.5098271993 E -3	-1.1434950445 E -4	1.9401408949 E -6	-2.3800500765 E -8	2.2210924178 E -10
3.50	6.0918983992 E -3	-1.7921851448 E -4	3.5275120686 E -6	-5.0196350686 E -8	5.4333286458 E -10
3.75	8.0636166640 E -3	-2.7246818341 E -4	6.1584555212 E -6	-1.0062402778 E -7	1.2505816717 E -9
4.00	1.0486414379 E -2	-4.0341211043 E -4	1.0378557169 E -5	-1.9299463859 E -7	2.729210115 E -9
4.25	1.3426733642 E -2	-5.8355944841 E -4	1.6956674009 E -5	-3.5608351982 E -7	5.6868779615 E -9
4.50	1.6956065068 E -2	-8.2696295591 E -4	2.6954933472 E -5	-6.3484707446 E -7	1.1370132887 E -8
4.75	2.1150960428 E -2	-1.1506015845 E -3	4.1815174338 E -5	-1.0978183116 E -6	2.1914880090 E -8
5.00	2.6093016425 E -2	-1.5748005342 E -3	6.3464756700 E -5	-1.8472276546 E -6	4.0874979785 E -8
5.25	3.1868825074 E -2	-2.12369222953 E -3	9.4445145652 E -5	-3.0326601367 E -6	7.4019139812 E -8
5.50	3.8569881343 E -2	-2.8257226558 E -3	1.3806724439 E -4	-4.8692625411 E -6	1.3050499474 E -7
5.75	4.6292428746 E -2	-3.7142056047 E -3	1.9859811153 E -4	-7.6617633963 E -6	2.2458253161 E -7
6.00	5.5137205969 E -2	-4.8279297869 E -3	2.8148439968 E -4	-1.1835872851 E -5	3.7803113262 E -7
6.25	6.5209029409 E -2	-6.2118155355 E -3	3.9361847907 E -4	-1.7978993265 E -5	6.2360292527 E -7
6.50	7.6616105539 E -2	-7.9176138799 E -3	5.4265351850 E -4	-2.6892589574 E -5	1.0098331018 E -6
6.75	8.9468913299 E -2	-1.0004625348 E -2	7.4237336926 E -4	-3.9659015730 E -5	1.6074884308 E -6
7.00	1.0387843509 E -1	-1.2540394599 E -2	1.0031213026 E -3	-5.7726009270 E -5	2.5196617245 E -6
7.25	1.1995345781 E -1	-1.5601306127 E -2	1.3422876624 E -3	-8.3012338842 E -5	3.8920707011 E -6
7.50	1.3779663511 E -1	-1.9272967083 E -2	1.7798494260 E -3	-1.1863804480 E -4	5.9314981224 E -6
7.75	1.5749903000 E -1	-2.3650220817 E -2	2.3399438768 E -3	-1.6608211844 E -4	8.9264527815 E -6
8.00	1.7913297524 E -1	-2.8836598706 E -2	3.0514441245 E -3	-2.3136906441 E -4	1.327453104 E -5
8.25	2.0274331789 E -1	-3.4943002018 E -2	3.9484872665 E -3	-3.192837059 E -4	1.9522746531 E -5
8.50	2.2833744239 E -1	-4.2085424672 E -2	5.0708890986 E -3	-4.3660739251 E -4	2.8402746086 E -5
8.75	2.5587484120 E -1	-5.0381591417 E -2	6.4643660754 E -3	-5.9177367947 E -4	4.0893926897 E -5
9.00	2.8525733468 E -1	-5.9946493681 E -2	8.1804794971 E -3	-7.9511770913 E -4	5.8282341018 E -5
9.25	3.1632123674 E -1	-7.0886944758 E -2	1.0276221782 E -2	-1.0591119609 E -3	8.2234064145 E -5
9.50	3.4883277563 E -1	-8.3295426708 E -2	1.2813181918 E -2	-1.3995580236 E -3	1.1487480797 E -4
9.75	3.8248778827 E -1	-9.7243641274 E -2	1.5856257183 E -2	-1.8307109145 E -3	1.5887369617 E -4
10.00	4.1691647622 E -1	-1.1277628767 E -1	1.9471920269 E -2	-2.3753100075 E -3	2.1752695966 E -4

TABLE 20b - Prolate Coefficients  $d_{l,0}^{0,6}$

C	r=20	r=22	r=24	r=26	r=28
0.25	-4.0156682141 E-28	9.2950249762 E-28	-1.6079186724 E-28	1.1255821763 E-29	-5.1474135495 E-31
0.50	-6.5832169255 E-24	6.1114687036 E-25	-2.8560880613 E-26	9.7805746021 E-28	-2.8479567913 E-29
0.75	-1.9237545100 E-21	6.1062446938 E-23	-1.5883157782 E-24	3.7579609034 E-26	-8.4821529810 E-28
1.00	-1.0811826650 E-19	2.1732876299 E-21	-4.2379854563 E-23	8.2229562468 E-25	-1.6056530841 E-26
1.25	-2.4627445827 E-18	4.0269294011 E-20	-6.8129876349 E-22	1.1917494741 E-23	-2.1503608270 E-25
1.50	-3.1689084127 E-17	4.7561311447 E-19	-7.5597101067 E-21	1.2610524383 E-22	-2.1921183809 E-24
1.75	-2.7497306596 E-16	4.0404603657 E-18	-6.3203445755 E-20	1.0412676372 E-21	-1.7921637667 E-23
2.00	-1.7884433469 E-15	2.6690238288 E-17	-4.2271246519 E-19	7.0352532077 E-21	-1.2212121410 E-22
2.25	-4.0957073235 E-14	1.4458721502 E-16	-2.3602834212 E-18	4.0281170956 E-20	-7.1419627078 E-22
2.50	-1.5618635561 E-13	6.6718798353 E-16	-1.1355152529 E-17	2.0071825107 E-19	-3.6672573789 E-21
3.00	-5.3048619063 E-13	2.6969958378 E-15	-4.8209556559 E-17	8.8862741904 E-19	-1.6834513239 E-20
3.25	-1.6349743878 E-12	9.7559916295 E-15	-1.840252540 E-16	3.5532523797 E-18	-7.0099755687 E-20
3.50	-4.6391944285 E-12	3.2107730834 E-14	-6.4094357402 E-16	1.3003272891 E-17	-2.6795567276 E-19
3.75	-1.2259020440 E-11	9.7408026509 E-14	-2.0613484061 E-15	4.4025379241 E-17	-9.4957535031 E-19
4.00	-3.0448959567 E-11	2.7531120741 E-13	-6.1815726837 E-15	1.3914805639 E-16	-3.1456721378 E-18
4.25	-7.162876593 E-11	7.3123959503 E-13	-1.7424987258 E-14	4.1366201951 E-16	-9.0098760987 E-18
4.50	-1.6059108548 E-10	1.838239242 E-12	-4.6485326862 E-14	1.1640738079 E-15	-4.8972583208 E-17
4.75	-3.4496327930 E-10	4.0017619401 E-12	-1.1803868516 E-13	3.11178341523 E-15	-8.1458078604 E-17
5.00	-7.1314783318 E-10	1.0083128800 E-11	-2.8670325015 E-13	7.9856293307 E-15	-2.1900819988 E-16
5.25	-1.4243027491 E-9	2.2208656435 E-11	-6.6893336335 E-13	1.963940319 E-14	-5.6529961979 E-16
5.50	-2.7572409646 E-9	4.7200532244 E-11	-1.5047953790 E-12	4.6544335709 E-14	-1.4057185897 E-15
5.75	-5.1885284549 E-9	9.7116772836 E-11	-3.2743122841 E-12	1.0663603538 E-13	-3.3779738493 E-15
6.00	-9.5148932212 E-9	1.9400503094 E-10	-6.9111156252 E-12	2.3683766032 E-13	-7.8657646378 E-15
6.25	-1.7041890743 E-8	3.7722809246 E-10	-1.4185932409 E-11	5.1119996067 E-13	-1.7791441896 E-14
6.50	-2.9870315639 E-8	7.1555457464 E-10	-2.8380752103 E-11	1.0747005975 E-12	-3.9175043178 E-14
6.75	-5.1324999592 E-8	1.326718815 E-9	-5.5451567538 E-11	2.2049455155 E-12	-8.4134102102 E-14
7.00	-8.6588434583 E-8	2.4089953833 E-9	-1.0599829036 E-10	4.4226351781 E-12	-1.7653673125 E-13
7.25	-1.4362518010 E-7	4.2898960650 E-9	-1.9854591260 E-10	8.6856864401 E-12	-3.624267518 E-13
7.50	-2.3451310117 E-7	7.5029656811 E-9	-3.6491978657 E-10	1.6724196797 E-11	-7.2901047556 E-13
7.75	-3.773343114 E-7	1.2903926802 E-8	-6.5890659246 E-10	3.1608008946 E-11	-1.4380676937 E-12
8.00	-5.9882153386 E-7	2.1845709735 E-8	-1.1699747112 E-9	5.8690796748 E-11	-2.7845427111 E-12
8.25	-9.3800021586 E-7	3.6437226335 E-8	-2.0446303865 E-9	1.0715100155 E-10	-5.2961355059 E-12
8.50	-1.4511114516 E-6	5.9919488339 E-8	-3.5190530261 E-9	1.9245833711 E-10	-9.6998637901 E-12
8.75	-2.2181315195 E-6	9.7202210515 E-8	-5.968041811 E-9	3.4024311996 E-10	-1.8194565550 E-11
9.00	-3.2512180610 E-6	1.5561432002 E-7	-9.9767419866 E-9	5.9224179246 E-10	-3.288733084 E-11
9.25	-5.0053929468 E-6	2.4593174435 E-7	-1.6444303627 E-8	1.0152407240 E-9	-5.8477496150 E-11
9.50	-7.3917101337 E-6	3.8375399604 E-7	-2.6729141470 E-8	1.7142424686 E-9	
9.75	-1.0793043802 E-5	5.9130557136 E-7	-4.2849449211 E-8		
10.00	-1.5582466894 E-5	8.9973710186 E-7			

TABLE 29 - Prolate Coefficients  $d_{07}$

C	r = 1	r = 3	r = 5	r = 7	r = 9
0.25	2.9478728771 E-11	1.4855599238 E-7	5.1768138376 E-4	9.9985965032 E-1	-5.1895920217 E-4
0.50	1.8865820730 E-9	2.3760194053 E-5	2.0698820097 E-3	9.9943588275 E-1	-2.0749719105 E-3
0.75	2.1488206747 E-8	1.2021185619 E-5	4.6540534665 E-3	9.9872044704 E-1	-4.6654312646 E-3
1.00	1.2072504491 E-7	3.7959969388 E-5	8.2658889862 E-3	9.9770007410 E-1	-8.2859519341 E-3
1.25	4.6047620970 E-7	9.2571913224 E-5	1.2899234400 E-2	9.9635579003 E-1	-1.2930309243 E-2
1.50	1.3747560499 E-6	1.9169255548 E-4	1.8545964151 E-2	9.9466279677 E-1	-1.8590353900 E-2
1.75	3.4658836981 E-6	3.5455093038 E-4	2.5195821448 E-2	9.9259222588 E-1	-2.5255902324 E-2
2.00	7.7204833449 E-6	6.0369128550 E-4	3.2836225142 E-2	9.9010923355 E-1	-3.2914602602 E-2
2.25	1.5646001959 E-5	9.6487793020 E-4	4.1452041942 E-2	9.8717412950 E-1	-4.1551776210 E-2
2.50	2.9427262203 E-5	1.4669819702 E-3	5.1025326176 E-2	9.8374230877 E-1	-5.1150235737 E-2
2.75	5.2102342377 E-5	2.1418485400 E-3	6.1535027960 E-2	9.7976440779 E-1	-6.1690079015 E-2
3.00	8.7756782582 E-5	3.0241430097 E-3	7.2956671502 E-2	9.7518448694 E-1	-7.3148460293 E-2
3.25	1.4173474647 E-4	4.1511745119 E-3	8.5262005648 E-2	9.6995034225 E-1	-8.5499339337 E-2
3.50	2.2086530911 E-4	5.5026949904 E-3	9.8418629270 E-2	9.6399324858 E-1	-9.8713209664 E-2
3.75	3.3370147966 E-4	7.3006717956 E-3	1.1238959461 E-1	9.5724923700 E-1	-1.1275680747 E-1
4.00	4.9076888576 E-4	9.4090316046 E-3	1.2713299214 E-1	9.4964840867 E-1	-1.2759280332 E-1
4.25	7.0482022053 E-4	1.1933373065 E-2	1.4260152079 E-1	9.4111778726 E-1	-1.4317947890 E-1
4.50	9.9109055042 E-4	1.4920644963 E-2	1.5874204747 E-1	9.3158161130 E-1	-1.5947039197 E-1
4.75	1.3675473525 E-3	1.8418785755 E-2	1.7549515928 E-1	9.2096176694 E-1	-1.7641403260 E-1
5.00	1.8551276196 E-3	2.2476318769 E-2	1.9279471068 E-1	9.0917826038 E-1	-1.9395347443 E-1
5.25	2.4779524248 E-3	2.7141894999 E-2	2.1056736544 E-1	8.9614972731 E-1	-2.1202602435 E-1
5.50	3.2635068120 E-3	3.2463771741 E-2	2.2873212957 E-1	8.8179397545 E-1	-2.3056287347 E-1
5.75	4.2427695216 E-3	3.8489209894 E-2	2.4719986599 E-1	8.6602855435 E-1	-2.4948875095 E-1
6.00	5.4502725551 E-3	4.5263764877 E-2	2.6587277391 E-1	8.4877134615 E-1	-2.6872157949 E-1
6.25	6.9240644728 E-3	5.2830435130 E-2	2.8464380701 E-1	8.2994117248 E-1	-2.8817212734 E-1
6.50	8.7055431258 E-3	6.1228617541 E-2	3.0339599337 E-1	8.0945841741 E-1	-3.0774364594 E-1
6.75	1.0839112723 E-2	7.0492800492 E-2	3.2200161020 E-1	7.87224567712 E-1	-3.2733147470 E-1
7.00	1.337160453 E-2	8.0650903360 E-2	3.4032115942 E-1	7.6322846613 E-1	-3.4682258565 E-1
7.25	1.6351399563 E-2	9.1722148297 E-2	3.5820209154 E-1	7.3735603984 E-1	-3.6609503383 E-1
7.50	1.9827120299 E-2	1.0371433106 E-1	3.7547724289 E-1	7.0950243707 E-1	-3.8501726825 E-1
7.75	2.3845850925 E-2	1.1662035162 E-1	3.9196299489 E-1	6.7966790414 E-1	-4.0344727169 E-1
8.00	2.8450704737 E-2	1.3041388627 E-1	4.0745724624 E-1	6.4778093017 E-1	-4.2123149994 E-1
8.25	3.3677678373 E-2	1.4504415188 E-1	4.2173742114 E-1	6.1380119183 E-1	-4.3820364149 E-1
8.50	3.9551726439 E-2	1.6042985155 E-1	4.3455892349 E-1	5.7750375324 E-1	-4.5418328416 E-1
8.75	4.6082104259 E-2	1.7645262051 E-1	4.4565467893 E-1	5.3948486101 E-1	-4.6897468470 E-1
9.00	5.3257106874 E-2	1.9295061347 E-1	4.5473664389 E-1	4.9916957167 E-1	-4.8236597947 E-1
9.25	6.1039196119 E-2	2.0971325713 E-1	4.6150033081 E-1	4.5682120698 E-1	-4.9412933139 E-1
9.50	6.9359523154 E-2	2.2647854951 E-1	4.6563339107 E-1	4.125522311 E-1	-5.0402263838 E-1
9.75	7.8115555843 E-2	2.4293448130 E-1	4.6682899705 E-1	3.6653561016 E-1	-5.1179347245 E-1
10.00	9.7170014255 E-2	2.5872602206 E-1	4.6480410094 E-1	3.1901514862 E-1	-5.1718581037 E-1

TABLE 29a - Prolate Coefficients d,7

C	r=11	r=13	r=15	r=17	r=19
0.25	1.1765758332 E -7	-1.5833849071 E -11	1.4426490124 E -15	-9.5882638777 E -20	4.8846279284 E -24
0.50	1.8817446281 E -6	-1.0129510433 E -9	3.6912148465 E -13	-9.0149936729 E -17	1.9999333760 E -20
0.75	9.5197749672 E -6	-1.1530269875 E -8	9.4537614946 E -12	-5.6556518401 E -15	2.593094795 E -18
1.00	3.0056151090 E -5	-6.472766576 E -8	9.4341516752 E -11	-1.0033690059 E -13	8.1785363183 E -17
1.25	7.3292898557 E -5	-2.4659505483 E -7	5.6163649100 E -10	-9.333364762 E -13	1.1887867440 E -15
1.50	1.5174851876 E -4	-7.3522706709 E -7	2.4113647386 E -9	-5.7704907349 E -12	1.0583210152 E -14
1.75	2.8062477140 E -4	-1.8506945658 E -6	8.2619311669 E -9	-2.6911222462 E -11	6.7179697671 E -14
2.00	4.7773112652 E -4	-4.1153079165 E -6	2.3996611830 E -8	-1.0209338851 E -10	3.3288547054 E -13
2.25	7.6340854436 E -4	-8.15622354322 E -5	6.1431798385 E -8	-3.3079761775 E -10	1.3651399294 E -12
2.50	1.1604381486 E -3	-1.5622354322 E -5	1.4235369335 E -7	-9.4440018233 E -10	4.8219305732 E -12
2.75	1.6939362583 E -3	-2.7597633148 E -5	3.0431304629 E -7	-2.4481652153 E -9	1.5093625489 E -11
3.00	2.3912351366 E -3	-4.6372226092 E -5	6.0860658805 E -7	-5.8273449212 E -9	4.2759044775 E -11
3.25	3.2817487088 E -3	-7.4708721140 E -5	1.1509089392 E -6	-1.2934380341 E -8	1.1139391184 E -10
3.50	4.3968224010 E -3	-1.1611986716 E -4	2.0750499337 E -6	-2.7049556309 E -8	2.7020159775 E -10
3.75	5.7695661664 E -3	-1.7498457924 E -4	3.5904596396 E -6	-5.3737440414 E -8	6.1428967249 E -10
4.00	7.4346697096 E -3	-2.566881964 E -4	5.9938271665 E -6	-1.0208820031 E -7	1.3323007654 E -9
4.25	9.4281989009 E -3	-3.6765042642 E -4	9.6955401428 E -6	-1.8646762749 E -7	2.7474428352 E -9
4.50	1.1787372415 E -2	-5.1564692701 E -4	1.5251490338 E -5	-3.2893660463 E -7	5.4351134275 E -9
4.75	1.4550317731 E -2	-7.0974535467 E -4	2.3400848570 E -5	-5.6251809600 E -7	1.0351944549 E -9
5.00	1.7755805821 E -2	-9.6953308878 E -4	3.5110430649 E -5	-9.3553626170 E -7	1.9094140380 E -9
5.25	2.1442964091 E -2	-1.2802287749 E -3	5.1626298402 E -5	-1.5172864861 E -6	3.4152738677 E -8
5.50	2.5650967431 E -2	-1.6828124565 E -3	7.4533269553 E -5	-2.4053416710 E -6	5.9441827124 E -8
5.75	3.0418707436 E -2	-2.1841541723 E -3	1.0582305226 E -4	-3.7348510809 E -6	1.0092606551 E -7
6.00	3.5784439858 E -2	-2.8021404382 E -3	1.4797178009 E -4	-5.6902467589 E -6	1.6751082347 E -7
6.25	4.1785409869 E -2	-3.5567982135 E -3	2.0402780667 E -4	-8.5198407402 E -6	2.7229835702 E -7
6.50	4.8457453314 E -2	-4.4704160756 E -3	2.7771072862 E -4	-1.2553876343 E -5	4.34244474934 E -7
6.75	5.5834569312 E -2	-5.5676622743 E -3	3.7352273465 E -4	-1.8226491296 E -5	6.8038913824 E -7
7.00	6.3948454533 E -2	-6.8756988560 E -3	4.9687352726 E -4	-2.6103761475 E -5	1.0487995403 E -6
7.25	7.2827981514 E -2	-8.4242897906 E -3	6.5422009357 E -4	-3.6914521816 E -5	1.5924279477 E -6
7.50	8.2498591777 E -2	-1.0245898455 E -2	8.5322266126 E -4	-5.1592001041 E -5	2.3841407494 E -6
7.75	9.2981558967 E -2	-1.2375765259 E -2	1.1099176835 E -3	-7.1320445802 E -5	3.5231904480 E -6
8.00	1.0429305873 E -1	-1.4851948853 E -2	1.4139079157 E -3	-9.7592218893 E -5	5.1435336019 E -6
8.25	1.1644296308 E -1	-1.7715303662 E -2	1.7985678219 E -3	-1.3227528361 E -4	7.4244948829 E -6
8.50	1.2943326317 E -1	-2.1009352256 E -2	2.2712595289 E -3	-1.776245051 E -4	1.0603679427 E -5
8.75	1.4325602456 E -1	-2.4779994409 E -2	2.8485498804 E -3	-2.3671315084 E -4	1.4994480290 E -5
9.00	1.5789080494 E -1	-2.9074978273 E -2	3.5494126994 E -3	-3.128574584 E -4	2.1004332042 E -5
9.25	1.7330152770 E -1	-3.4943048052 E -2	4.3933924354 E -3	-4.1041248577 E -4	2.9169260791 E -5
9.50	1.8943291320 E -1	-4.1832683632 E -2	5.4106969522 E -3	-5.3455316090 E -4	4.0164941333 E -5
9.75	2.0620671127 E -1	-4.9590368116 E -2	6.621800786 E -3	-6.914822259 E -4	5.4861340054 E -5
10.00	2.2351818984 E -1	-5.8458363543 E -2	8.0591710489 E -3	-8.8848206095 E -4	7.4352646511 E -5

TABLE 25 - Proton Coefficients d, 07

C	r=21	r=23	r=25	r=27	r=29
0.25	-1.9750879290 E-20	4.2654315385 E-28	-6.9043538303 E-29	4.5395325098 E-30	-1.0779075655 E-29
0.50	-3.2346769238 E-24	2.7985214430 E-25	-1.2235349924 E-26	3.9327598099 E-28	-3.1965954703 E-28
0.75	-9.4366326284 E-22	2.7896102025 E-23	-6.7839297136 E-25	1.5055688697 E-26	-6.0212802462 E-27
1.00	-5.2911889115 E-20	9.8988987677 E-22	-1.8035163528 E-23	3.2803790690 E-25	-8.0191734796 E-26
1.25	-1.2016409812 E-18	1.8275144009 E-20	-2.8969140140 E-22	4.7306923482 E-24	-8.1244262778 E-25
1.50	-1.5405768252 E-17	2.1492040126 E-19	-3.1875715207 E-21	4.9780114180 E-23	
1.75	-1.3310751267 E-16	1.8168336512 E-18	-2.6502128241 E-20	4.0850558406 E-22	
2.00	-8.6149058619 E-15	1.1935059576 E-17	-1.7615737522 E-19		
2.25	-4.4714380581 E-15	6.4257123997 E-17			
2.50	-1.9499286087 E-14	2.9450623237 E-16			
2.75	-7.3857272577 E-14	1.1817361732 E-15	-9.7694545824 E-19	2.7413342697 E-21	-6.5970511033 E-24
3.00	-2.4901526758 E-13	1.1817361732 E-15	-4.6653917895 E-18	1.5880039650 E-20	-4.4621424599 E-23
3.25	-7.6139538054 E-13	4.2408313875 E-15	-1.9649862398 E-17	7.7015608419 E-20	-2.5887507308 E-23
3.50	-2.142092670 E-12	1.3838067003 E-14	-7.4366075792 E-17	3.3805043057 E-19	-1.3178854328 E-21
3.75	-5.609222928 E-12	4.1600416678 E-14	-2.5665509237 E-16	1.3393833538 E-18	-5.9944072809 E-21
4.00	-1.3798316957 E-11	1.644401820 E-13	-8.1744555319 E-16	4.8539790303 E-18	-2.4718332453 E-20
4.25	-3.2127452658 E-11	3.0612507258 E-13	-2.4262535503 E-15	1.6265403207 E-17	-9.3512765690 E-20
4.50	-7.1263111087 E-11	7.6131169853 E-13	-6.7653759595 E-15	5.0851679956 E-17	-3.2778600566 E-19
4.75	-1.5135661262 E-10	1.8010731641 E-12	-1.7843033635 E-14	1.4944740137 E-16	-1.0734284240 E-18
5.00	-3.0920519108 E-10	4.0794301709 E-12	-4.4767044454 E-14	4.1551081123 E-16	-3.3072231038 E-18
5.25	-6.0990619090 E-10	8.8732305931 E-12	-1.0737192480 E-13	1.0988865695 E-15	-9.6441330251 E-18
5.50	-1.1554037296 E-9	1.8612410502 E-11	-2.4722972982 E-13	2.7773990091 E-15	-2.6755534328 E-17
5.75	-2.3233500969 E-9	3.772766709 E-11	-5.4850620234 E-13	6.7360941744 E-15	-7.0934999476 E-17
6.00	-4.316969338 E-9	7.4378790569 E-11	-1.176322771 E-12	1.5732927160 E-14	-1.8042840450 E-16
6.25	-8.0513445527 E-9	1.4246361583 E-10	-2.4454624625 E-12	3.5497988432 E-14	-4.4181773781 E-16
6.50	-1.4910095421 E-8	2.6601678715 E-10	-4.9405030153 E-12	7.7588261808 E-14	-1.0447201890 E-15
6.75	-2.6135337009 E-8	4.8520427577 E-10	-9.7212854795 E-12	1.6468710077 E-13	-2.3919648001 E-15
7.00	-3.3400433548 E-8	8.660669645 E-10	-1.8667425833 E-11	3.4021642531 E-13	-5.3157331090 E-15
7.25	-5.4438049951 E-8	1.5149303333 E-9	-3.5045535017 E-11	6.8540566652 E-13	-1.1491448215 E-14
7.50	-8.7289087505 E-8	2.6011549668 E-9	-6.4427767496 E-11	1.3490198017 E-12	-2.4212950212 E-14
7.75	-1.3785523197 E-7	4.3894630809 E-9	-1.1615690955 E-10	2.5982202106 E-12	-4.9815033976 E-14
8.00	-2.1465765757 E-7	7.2886369985 E-9	-2.0565080504 E-10	4.9041822902 E-12	-1.00233538000 E-13
8.25	-3.2986966849 E-7	1.1921824317 E-8	-3.5798023334 E-10	9.0839966014 E-12	-1.9754887115 E-13
8.50	-5.0070980221 E-7	1.9227783822 E-8	-6.1335626749 E-10	1.6532631576 E-11	-3.8186344989 E-13
8.75	-7.5130371079 E-7	3.0605061470 E-8	-1.0354470320 E-9	2.9596901094 E-11	-7.2486022262 E-13
9.00	-1.1151468839 E-6	4.8115109887 E-8	-1.7238351776 E-9	5.2170361814 E-11	-1.3526732876 E-12
9.25	-1.6383236432 E-6	7.4765183461 E-8	-2.8324537909 E-9	9.0628944956 E-11	-2.483999424 E-12
9.50	-2.3836569348 E-6	1.1489740985 E-7	-4.5965273218 E-9	1.552740363 E-10	-4.4926717792 E-12
9.75	-3.4359728263 E-6	1.7471645425 E-7	-7.3714106741 E-9	2.6256519455 E-10	-6.0089170576 E-12
10.00	-4.9086567049 E-6	2.6299409985 E-7	-1.1687771095 E-8	4.3842043137 E-10	-1.4080773635 E-11



TABLE 30 - Pretene Coefficients  $d_{i,0}$

C	r = 0	r = 2	r = 4	r = 6	r = 8
0.25	2.4084002986 E-15	2.0611421276 E-11	1.153721322 E-7	4.5756801905 E-4	1.0001101944 E 0
0.50	6.1653788506 E-13	1.3325011346 E-9	1.8466909091 E-6	1.830889524 E-3	1.0004381222 E 0
0.75	1.580620070 E-11	1.5188583828 E-8	9.3543737661 E-6	4.1217972310 E-3	1.000975765 E 0
1.00	1.5781928799 E-10	8.5422294860 E-8	2.958858353 E-5	7.3332788039 E-3	1.0017098014 E 0
1.25	9.4060234288 E-10	3.262524120 E-7	7.231270712 E-5	1.1469377342 E-2	1.0026214459 E 0
1.50	4.0439818975 E-9	9.756944410 E-7	1.5013498350 E-4	1.6535050584 E-2	1.0034865170 E 0
1.75	1.387809854 E-8	2.464698845 E-6	2.7854688746 E-4	2.2535989306 E-2	1.0048753204 E 0
2.00	4.0380763006 E-8	5.5029536723 E-6	4.7596668073 E-4	2.9478393913 E-2	1.0061525914 E 0
2.25	1.0358314896 E-7	1.1181475565 E-5	7.6378597337 E-4	3.7368708514 E-2	1.0074774144 E 0
2.50	2.4055537545 E-7	2.1092903939 E-5	1.1664168966 E-3	4.6213311845 E-2	1.00880031536 E 0
2.75	5.1545273773 E-7	3.7470102728 E-5	1.7113370267 E-3	5.6018162255 E-2	1.0100773471 E 0
3.00	1.0334512042 E-6	6.3343806678 E-5	2.4291288316 E-3	6.6788403640 E-2	1.0112416471 E 0
3.25	1.9594458554 E-6	1.0272003402 E-4	3.3535100212 E-3	7.8527913966 E-2	1.0122317333 E 0
3.50	3.5424509207 E-6	1.6077795102 E-4	4.5213508035 E-3	9.1238820233 E-2	1.0129772491 E 0
3.75	6.1466947202 E-6	2.4408879412 E-4	5.9726736771 E-3	1.0492095766 E-1	1.0134017513 E 0
4.00	1.0290440282 E-5	3.6085632357 E-4	7.756310333 E-3	1.1957128480 E-1	1.0134226793 E 0
4.25	1.6693578242 E-5	5.211798706 E-4	9.9014555071 E-3	1.3518325086 E-1	1.0129513514 E 0
4.50	2.6335027131 E-5	7.3733450007 E-4	1.2474377697 E-2	1.5174611442 E-1	1.0118924925 E 0
4.75	4.0520930639 E-5	1.024083836 E-3	1.5521505583 E-2	1.6924422849 E-1	1.0101468012 E 0
5.00	6.0964553764 E-5	1.3990011190 E-3	1.9097659683 E-2	1.8765625148 E-1	1.0076060623 E 0
5.25	8.9878440351 E-5	1.8828129540 E-3	2.3260157713 E-2	2.0695435845 E-1	1.0041583116 E 0
5.50	1.3008079142 E-4	2.4997661864 E-3	2.8068542160 E-2	2.2710337125 E-1	9.9968556144 E -1
5.75	1.8514214210 E-4	3.280009090 E-3	3.3584243776 E-2	2.4805989495 E-1	9.9404459075 E -1
6.00	2.5936923543 E-4	4.2499356397 E-3	3.9370173290 E-2	2.6977138006 E-1	9.8716730961 E -1
6.25	3.5824848839 E-4	5.4526543813 E-3	4.6990232401 E-2	2.9217518544 E-1	9.7886120085 E -1
6.50	4.8830198309 E-4	6.928282835 E-3	5.5008735909 E-2	3.1519760364 E-1	9.690984463 E -1
6.75	6.5740244496 E-4	8.7243728913 E-3	6.3989721257 E-2	3.3519728593 E-1	9.5747352874 E -1
7.00	8.7491411814 E-4	1.0894185603 E-2	7.3996153910 E-2	3.6274208006 E-1	9.441099447 E -1
7.25	1.1518647172 E-3	1.3497005983 E-2	8.508866074 E-2	3.8705223169 E-1	9.2877498328 E -1
7.50	1.5011115837 E-3	1.6598303299 E-2	9.7325930986 E-2	4.1155499672 E-1	9.1132359395 E -1
7.75	1.9374924202 E-3	2.0269788310 E-2	1.1076030563 E-1	4.361055824 E-1	8.9161077524 E -1
8.00	2.4779472784 E-3	2.4589278801 E-2	1.2543918357 E-1	4.6054141940 E-1	8.6949264443 E -1
8.25	3.1415935663 E-3	2.9640300493 E-2	1.4140146912 E-1	4.8468071697 E-1	8.4482764485 E -1
8.50	3.9497294482 E-3	3.5511317291 E-2	1.5867535702 E-1	5.0832082613 E-1	8.1747802769 E -1
8.75	4.925329833 E-3	4.229457024 E-2	1.7727517907 E-1	5.3123368135 E-1	7.8231134870 E -1
9.00	6.098148223 E-3	5.0083556709 E-2	1.971973196 E-1	5.5317720845 E-1	7.4820275109 E -1
9.25	7.4835720050 E-3	5.8971319983 E-2	2.1841583705 E-1	5.7386604799 E-1	7.1403758691 E -1
9.50	9.1192811933 E-3	6.9045351624 E-2	2.4087523311 E-1	5.9289624214 E-1	6.7871507292 E -1
9.75	1.1028864901 E-2	8.038286317 E-2	2.6448428142 E-1	6.1022969074 E-1	6.3615321269 E -1
10.00	1.3237469344 E-2	9.3043682005 E-2	2.8910699272 E-1	6.2519560055 E-1	5.9029542845 E -1

TABLE 30a - Proton Coefficients  $d_{10}^0$

C	r=10	r=12	r=14	r=16	r=18
0.25	-4.5833682527 E -4	9.3199291083 E -8	-1.1361025383 E -11	9.4947414919 E -16	-5.8228953352 E -20
0.50	-1.8339573381 E -3	1.4916889424 E -6	-7.2863137465 E -10	2.4314773537 E -13	-5.9646715455 E -17
0.75	-4.1286753087 E -3	7.558792363 E -7	-8.3042204550 E -9	6.2351226160 E -12	-3.4414742670 E -15
1.00	-7.3454591592 E -3	2.3898796797 E -5	-4.6695024009 E -8	6.2329901893 E -11	-6.1161110821 E -14
1.25	-1.1488349968 E -2	5.8404224037 E -5	-1.7930534150 E -7	3.7189951073 E -10	-5.701873851 E -13
1.50	-1.6562346276 E -2	1.2125134392 E -4	-5.7306225785 E -7	1.6010164920 E -9	-3.534742632 E -12
1.75	-2.2573255303 E -2	2.2494513746 E -4	-1.3840923901 E -6	5.5029425600 E -9	-1.6537241626 E -11
2.00	-2.9527510094 E -2	3.8435156338 E -4	-3.0047086722 E -6	1.6031556994 E -9	-6.2966172103 E -11
2.25	-3.7431952043 E -2	6.1673632941 E -4	-6.1014439747 E -6	4.1235538481 E -8	-2.4085642910 E -10
2.50	-4.6293578151 E -2	9.4180584221 E -4	-1.1503935362 E -5	9.5989390822 E -8	-5.8875198563 E -10
2.75	-5.6119252391 E -2	1.3817486980 E -3	-2.0424325101 E -5	2.0622459370 E -7	-1.5305807678 E -9
3.00	-6.6915388471 E -2	1.9612758487 E -3	-3.4506178241 E -5	4.1467322844 E -7	-3.6629098317 E -9
3.25	-7.8687547358 E -2	2.7076573487 E -3	-5.5918463999 E -5	7.8874792980 E -7	-8.1777354519 E -9
3.50	-9.1440114960 E -2	3.6507533568 E -3	-8.7460529388 E -5	1.4309558925 E -6	-1.7207480733 E -8
3.75	-1.051759343 E -1	4.8230368363 E -3	-1.3267772387 E -4	2.4923809057 E -6	-3.4405972633 E -8
4.00	-1.1989514379 E -1	6.2596051486 E -3	-1.9598767379 E -4	4.1898159276 E -6	-6.5824225887 E -8
4.25	-1.3559608155 E -1	7.9981776690 E -3	-2.8281872250 E -4	6.9271894211 E -6	-1.2110627442 E -7
4.50	-1.5227331160 E -1	1.0079075781 E -2	-3.9975637412 E -4	1.0821991401 E -5	-2.1526290490 E -7
4.75	-1.6991773666 E -1	1.2545182525 E -2	-5.5470468274 E -4	1.6737469746 E -5	-3.1103940856 E -7
5.00	-1.8851582607 E -1	1.5441877601 E -2	-7.5705541664 E -4	2.5321433696 E -5	-6.2214993397 E -7
5.25	-2.0804894824 E -1	1.8816944396 E -2	-1.0178689190 E -3	3.7552569640 E -5	-1.0175797123 E -6
5.50	-2.2849266857 E -1	2.2720445068 E -2	-1.350647979 E -3	5.4695244536 E -5	-1.6272350245 E -6
5.75	-2.4981601519 E -1	2.7204559816 E -2	-1.7686221535 E -3	7.8363845294 E -5	-2.5492703240 E -6
6.00	-2.7198071535 E -1	3.2323386494 E -2	-2.2907885750 E -3	1.1059777945 E -4	-3.9194083224 E -6
6.25	-2.9494040603 E -1	3.8132696848 E -2	-2.9362971356 E -3	1.53946834575 E -4	-5.9223385221 E -6
6.50	-3.1863982233 E -1	4.469645806 E -2	-3.7275904581 E -3	2.1157877600 E -4	-8.8104626645 E -6
6.75	-3.4301396712 E -1	5.2052430502 E -2	-4.690050881 E -3	2.8737885711 E -4	-1.2914343378 E -5
7.00	-3.6798726473 E -1	6.029895875 E -2	-5.8522335954 E -3	3.8609547052 E -4	-1.86474475825 E -5
7.25	-3.9347649962 E -1	6.9431083655 E -2	-7.2461170579 E -3	5.1348214352 E -4	-2.6665322000 E -5
7.50	-4.1937093791 E -1	7.9564721072 E -2	-8.9073238284 E -3	6.7446530031 E -4	-3.7430996397 E -5
7.75	-4.4556942501 E -1	9.0738644309 E -2	-1.0875387677 E -2	8.6533633510 E -4	-5.2527563927 E -5
8.00	-4.7194144632 E -1	1.030914690 E -1	-1.3193989981 E -2	1.1439648990 E -3	-7.2374240716 E -5
8.25	-4.9834512965 E -1	1.1643625447 E -1	-1.5911202753 E -2	1.4700402733 E -3	-9.9315129471 E -5
8.50	-5.2462235988 E -1	1.3105286207 E -1	-1.9079740486 E -2	1.8753423291 E -3	-1.3449340052 E -4
8.75	-5.509756898 E -1	1.4922377303 E -1	-2.2757181478 E -2	2.3760452276 E -3	-1.8114014243 E -4
9.00	-5.7607636210 E -1	1.6408951525 E -1	-2.7006181438 E -2	2.9910564743 E -3	-2.4168043284 E -4
9.25	-6.0084394988 E -1	1.8256990722 E -1	-3.1894637029 E -2	3.7423928251 E -3	-3.2005947784 E -4
9.50	-6.2466338476 E -1	2.0240425903 E -1	-3.7495770991 E -2	4.6555924249 E -3	-4.2089185350 E -4
9.75	-6.4727365741 E -1	2.2360998620 E -1	-4.3888082864 E -2	5.7601574444 E -3	-5.4983682058 E -4
10.00	-6.6838780793 E -1	2.4618019497 E -1	-5.1155084951 E -2	7.0900168759 E -3	-7.1380216560 E -4

TABLE 306 -- Prinite Coefficients d<sub>01</sub>

C	r=20	r=22	r=24	r=26	r=28
0.25	2.7539569005 E-24	-1.0392910488 E-28	2.1049460533 E-28	-3.2127582312 E-29	1.9988270767 E-30
0.50	1.1284051622 E-20	-1.7033559785 E-24	1.3834016919 E-25	-5.7032506957 E-27	1.7354927625 E-28
0.75	1.4648952929 E-18	-4.9754237135 E-22	1.3813841138 E-23	-3.1691956484 E-25	6.6618483857 E-27
1.00	4.6282407615 E-17	-2.7945890424 E-20	4.9126958597 E-22	-8.4480611291 E-24	1.4540538818 E-25
1.25	6.7418375156 E-16	-6.3604570810 E-19	9.0941826620 E-21	-1.3565758655 E-22	2.1074799235 E-24
1.50	6.0185588871 E-15	-8.176759265 E-18	1.0728886832 E-19	-1.5032577872 E-21	2.2266985917 E-23
1.75	3.8325644490 E-14	-7.0872159155 E-17	9.1026221736 E-19	-1.2549669315 E-20	1.8355223498 E-22
2.00	1.9060066432 E-13	-4.6036197659 E-16	6.0040703837 E-18	-8.3793496731 E-20	
2.25	7.8483943748 E-13	-2.3992083669 E-15	3.2471518214 E-17		
2.50	2.7847786990 E-12	-1.0509988835 E-14			
2.75	8.7602345932 E-12	-4.0005981925 E-14	1.4956173984 E-16	-4.6700517614 E-19	1.23783463005 E-21
3.00	2.4950720191 E-11	-1.3560793553 E-13	6.0335146821 E-16	-2.2421207938 E-18	7.0727172550 E-21
3.25	6.5376805005 E-11	-4.1703226882 E-13	2.1776843626 E-15	-9.4977499594 E-18	5.5162769749 E-20
3.50	1.5956030101 E-10	-1.1804962998 E-12	7.1495516704 E-15	-3.6145127035 E-17	1.5528700195 E-19
3.75	3.6631695694 E-10	-3.1113806134 E-12	2.1633304190 E-14	-1.2562463896 E-16	4.1924532005 E-19
4.00	7.9737514533 E-10	-7.7044146941 E-12	6.0968167703 E-14	-4.0288815886 E-16	2.2594693814 E-18
4.25	1.6563703563 E-9	-1.8073748832 E-11	1.6143261792 E-13	-1.2042470888 E-15	7.623909236 E-18
4.50	3.3012129581 E-9	-4.0388954977 E-11	4.0447688202 E-13	-3.8229729992 E-15	2.4017073100 E-17
4.75	6.3410997660 E-9	-8.6452181701 E-11	9.6475515799 E-13	-8.9913176888 E-15	7.1127848537 E-17
5.00	1.1783746427 E-8	-1.7804001634 E-10	2.2017469276 E-12	-2.2739037461 E-14	1.9933310189 E-16
5.25	2.1254004611 E-8	-3.5410719353 E-10	4.8286725159 E-12	-5.4987486200 E-14	5.3148854047 E-14
5.50	3.7312188358 E-8	-6.8240916136 E-10	1.0214543893 E-11	-1.2767993107 E-13	1.3545971346 E-15
5.75	6.3909514540 E-8	-1.2778409577 E-9	2.0909628072 E-11	-2.8571286292 E-13	3.5334896211 E-15
6.00	1.0702947493 E-7	-2.3307898976 E-9	4.1537108235 E-11	-6.1810984497 E-13	7.8084625344 E-15
6.25	1.7557819263 E-7	-4.1501678627 E-9	8.0272355835 E-11	-1.2964105335 E-12	1.7769018496 E-14
6.50	2.8260446308 E-7	-7.2276362023 E-9	1.5124709344 E-10	-2.4425993835 E-12	3.9183496448 E-14
6.75	4.4695195595 E-7	-1.2332005532 E-8	2.7838404217 E-10	-5.2466612567 E-12	8.3913226194 E-14
7.00	6.9547283571 E-7	-2.0644065842 E-8	5.0140904862 E-10	-1.0165916815 E-11	1.7489947784 E-13
7.25	1.0659649382 E-6	-3.3962410479 E-8	8.8513008416 E-10	-1.9256766109 E-11	3.558689496 E-13
7.50	1.6110349809 E-6	-5.4960435671 E-8	1.5335553516 E-9	-3.5717383514 E-11	7.0502674489 E-13
7.75	2.4031397978 E-6	-8.7594202365 E-8	2.6110764839 E-9	-6.4961583112 E-11	1.3712043542 E-12
8.00	3.5411183999 E-6	-1.3762982202 E-7	4.3739243261 E-9	-1.1600564003 E-10	2.6101364755 E-12
8.25	5.1586023374 E-6	-2.1338448860 E-7	7.2162652338 E-9	-2.0343995324 E-10	4.8747491807 E-12
8.50	7.4347833288 E-6	-3.2673380296 E-7	1.1737182619 E-8	-3.5178819432 E-10	8.9433417969 E-12
8.75	1.0608128452 E-5	-4.9447562399 E-7	1.8837038464 E-8	-5.9844491197 E-10	1.6335548680 E-11
9.00	1.4993766821 E-5	-7.4016427082 E-7	2.9854954802 E-8	-1.0044518306 E-9	2.8658394042 E-11
9.25	2.1005428080 E-5	-1.0965621464 E-6	4.6734220990 E-8	-1.6631552322 E-9	5.0155310007 E-11
9.50	2.9182988590 E-5	-1.6088970520 E-6	7.2441716045 E-8	-2.7197244823 E-9	8.458773854 E-11
9.75	4.0220864421 E-5	-2.3391636071 E-6	1.1105732615 E-7	-4.3956629211 E-9	1.4748188537 E-10
10.00	5.5040657784 E-5	-3.3717860636 E-6	1.6859410740 E-7	-7.0262682824 E-9	2.44818488232 E-10

TABLE 31 - Prolate Coefficients  $d_{p,9}$

C	r = 1	r = 3	r = 5	r = 7	r = 9
0.25	1.8118959227 E-15	1.4880663278 E-11	9.1926068246 E-8	4.0972637986 E-4	9.9991280309 E-1
0.50	4.6383861125 E-13	9.5214873975 E-10	1.4704522478 E-6	1.6384835241 E-3	9.9964938543 E-1
0.75	1.1887370234 E-11	1.0841502755 E-8	7.4410735875 E-6	3.6849947997 E-3	9.9920427008 E-1
1.00	1.1873497218 E-10	6.0882573806 E-8	2.3503707565 E-5	6.5470970272 E-3	9.9856881181 E-1
1.25	7.0767606541 E-10	2.3209044555 E-7	5.7338559890 E-5	1.0221687407 E-2	9.9772886675 E-1
1.50	3.0426446282 E-9	6.9243794909 E-7	1.1878579199 E-4	1.4704649450 E-2	9.9666952067 E-1
1.75	1.0441938831 E-8	1.7443284948 E-6	2.1981844793 E-4	1.9990758143 E-2	9.9537042605 E-1
2.00	3.0384955043 E-8	3.8821789206 E-6	3.7450794683 E-4	2.6073564681 E-2	9.9380819897 E-1
2.25	7.7947820759 E-8	7.859325982 E-6	5.9892129881 E-4	3.2945261161 E-2	9.9195600655 E-1
2.50	1.8103771840 E-7	1.4767457887 E-5	9.1136905726 E-4	4.0596525748 E-2	9.8978363580 E-1
2.75	3.8796443943 E-7	2.6117515085 E-5	1.3317428815 E-3	4.90163486930 E-2	9.8725757536 E-1
3.00	7.7795382578 E-7	4.3939295491 E-5	1.8820414510 E-3	5.8191841606 E-2	9.8434111098 E-1
3.25	1.4752701459 E-6	7.0881448379 E-5	2.5859833471 E-3	6.8108025872 E-2	9.8099443651 E-1
3.50	2.6676717347 E-6	1.1032181495 E-4	3.4689654069 E-3	7.8747609559 E-2	9.7717478175 E-1
3.75	4.6299747024 E-6	1.6648378216 E-4	4.5579449495 E-3	9.0090745707 E-2	9.7283655875 E-1
4.00	7.7535411402 E-6	2.4455825317 E-4	5.8813041934 E-3	1.0211477840 E-1	9.6793152847 E-1
4.25	1.2582538570 E-5	3.5083020474 E-4	7.4868951156 E-3	1.1479397656 E-1	9.6240898940 E-1
4.50	1.9857833557 E-5	4.9280866446 E-4	9.3508629594 E-3	1.280925752 E-1	9.5621599021 E-1
4.75	3.0569381028 E-5	6.7935879207 E-4	1.1559446581 E-2	1.4199790252 E-1	9.4929756823 E-1
5.00	4.6017948168 E-5	9.2083458828 E-4	1.4126753843 E-2	1.5645326646 E-1	9.4159701576 E-1
5.25	6.7886963171 E-5	1.292105803 E-3	1.7095510290 E-2	1.7142448460 E-1	9.3305617611 E-1
5.50	9.8325199729 E-5	1.6182106452 E-3	2.0488579458 E-2	1.8686617916 E-1	9.2361577126 E-1
5.75	1.4004089182 E-4	2.1034319243 E-3	2.4308653263 E-2	2.0272016918 E-1	9.1321576302 E-1
6.00	1.9440771356 E-4	2.7024615571 E-3	2.8637911086 E-2	2.1895518715 E-1	9.0179552913 E-1
6.25	2.7158284720 E-4	3.349837046 E-3	3.3487646361 E-2	2.3548260658 E-1	8.8925495956 E-1
6.50	3.7063708983 E-4	4.3228740401 E-3	3.8887859702 E-2	2.5225618447 E-1	8.7565498873 E-1
6.75	4.9969660323 E-4	5.3902785376 E-3	4.4868817795 E-2	2.6919182333 E-1	8.6081554016 E-1
7.00	6.6609547722 E-4	6.6536729623 E-3	5.150577482 E-2	2.8621537670 E-1	8.4472013766 E-1
7.25	8.7853773465 E-4	8.1718989230 E-3	5.8662474529 E-2	3.0324236617 E-1	8.2731372872 E-1
7.50	1.1472667280 E-3	9.9461716337 E-3	6.652576474 E-2	3.2018202345 E-1	8.0854414348 E-1
7.75	1.4842390274 E-3	1.2020053557 E-2	7.5047098570 E-2	3.3693697853 E-1	7.8816267261 E-1
8.00	1.9032988196 E-3	1.4429386753 E-2	8.4247780941 E-2	3.5340327876 E-1	7.6672475807 E-1
8.25	2.4203474600 E-3	1.7212174861 E-2	9.4131223551 E-2	3.6947033007 E-1	7.4359071356 E-1
8.50	3.0535010276 E-3	2.0408402957 E-2	1.0449817312 E-1	3.8502089550 E-1	7.1892647197 E-1
8.75	3.8232263877 E-3	2.4059779784 E-2	1.1594275247 E-1	3.9993112769 E-1	6.9270435727 E-1
9.00	4.7524431784 E-3	2.8209381642 E-2	1.2785161761 E-1	4.1407042671 E-1	6.6490388113 E-1
9.25	5.8665750516 E-3	3.2901170150 E-2	1.4040302127 E-1	4.2730252847 E-1	6.3551256856 E-1
9.50	7.1935281506 E-3	3.8179346607 E-2	1.5356575327 E-1	4.3948357202 E-1	6.0452268245 E-1
9.75	8.7635679127 E-3	4.4087494345 E-2	1.6729791909 E-1	4.504420837 E-1	5.7195286166 E-1
10.00	1.0609056674 E-2	5.0667445109 E-2	1.8154550923 E-1	4.6008868066 E-1	5.3780773539 E-1

TABLE 31e - Protons Coefficients d<sub>1</sub><sup>0.9</sup>

C	r=11	r=13	r=15	r=17	r=19
0.25	-4.1021636051 E -4	7.5607024160 E -8	-8.4490640431 E -12	6.5002231730 E -16	-3.6997018605 E -20
0.50	-1.6404388286 E -3	1.2094002182 E -6	-5.4060128970 E -10	1.6636316549 E -13	-3.7875290412 E -17
0.75	-3.6893793231 E -3	6.1199490453 E -6	-6.1551498235 E -9	4.2618692452 E -12	-2.1831530178 E -15
1.00	-6.5548635922 E -3	1.9330344506 E -5	-3.4565908446 E -8	4.2545432510 E -11	-3.8744822187 E -14
1.25	-1.0233790114 E -2	4.7156289123 E -5	-1.3174509698 E -7	2.5339610133 E -10	-3.6056429483 E -13
1.50	-1.4722072710 E -2	9.7689177101 E -5	-3.9301618473 E -7	1.0885359586 E -9	-2.2504434838 E -12
1.75	-2.0014567027 E -2	1.8077391873 E -4	-9.892770471 E -7	3.7319514754 E -9	-1.0408369587 E -11
2.00	-2.6104981099 E -2	3.0798119278 E -4	-2.2028786404 E -6	1.0847170393 E -8	-3.9514253275 E -11
2.25	-3.2985770267 E -2	4.9257374018 E -4	-4.4592662186 E -6	2.7791215055 E -8	-1.2813248104 E -10
2.50	-4.0448016790 E -2	7.4946624300 E -4	-8.3769779591 E -6	6.4456143590 E -8	-3.6689635360 E -10
2.75	-4.9081294557 E -2	1.0951782627 E -3	-1.4812991355 E -5	1.3792042087 E -7	-9.4996888167 E -10
3.00	-5.8273519415 E -2	1.5477794450 E -3	-2.4916811293 E -5	2.7611224967 E -7	-2.2634172945 E -9
3.25	-6.8210785700 E -2	2.1268277307 E -3	-4.0188436959 E -5	5.2270525839 E -7	-5.0290573573 E -9
3.50	-7.8877189672 E -2	2.8532956509 E -3	-6.2540509191 E -5	9.4348340610 E -7	-1.0528494434 E -8
3.75	-9.0254640098 E -2	3.7494909221 E -3	-9.434245754 E -5	1.6344264470 E -6	-2.0939406686 E -8
4.00	-1.0232266111 E -1	4.8399635037 E -3	-1.3859872548 E -4	2.7317796139 E -6	-3.9824569425 E -8
4.25	-1.1505817486 E -1	6.1444024284 E -3	-1.9880303247 E -4	4.4243811465 E -6	-7.2823999330 E -7
4.50	-1.2843529328 E -1	7.6975200758 E -3	-2.7923071821 E -4	6.968587208 E -6	-1.2861152093 E -7
4.75	-1.4242507820 E -1	9.5189231241 E -3	-3.8490598275 E -4	1.0705670535 E -5	-2.2018955759 E -7
5.00	-1.5699531939 E -1	1.1637969192 E -2	-5.2170091556 E -4	1.6083308596 E -5	-3.6660962041 E -7
5.25	-1.7211029270 E -1	1.4082608172 E -2	-6.9641307285 E -4	2.3678700424 E -5	-5.9522106990 E -7
5.50	-1.8773052239 E -1	1.6881207267 E -2	-9.1684260110 E -4	3.4227740843 E -5	-9.4456713408 E -7
5.75	-2.0381254260 E -1	2.0062358750 E -2	-1.1918680474 E -3	4.8655797504 E -5	-1.4680649632 E -6
6.00	-2.2030866154 E -1	2.3654669534 E -2	-1.5315199263 E -3	6.8114262425 E -5	-2.2386255981 E -6
6.25	-2.3716673131 E -1	2.7686531691 E -2	-1.9470510421 E -3	9.4020466852 E -5	-3.3543900748 E -6
6.50	-2.5432992608 E -1	3.2185873164 E -2	-2.4510024969 E -3	1.2810538866 E -4	-4.9457800749 E -6
6.75	-2.7173653211 E -1	3.719888047 E -2	-3.057642523 E -3	1.7245374041 E -4	-7.1840838882 E -6
7.00	-2.8931975281 E -1	4.2694745982 E -2	-3.7811290557 E -3	2.2958926274 E -4	-1.0291824027 E -5
7.25	-3.0700753242 E -1	4.8755280416 E -2	-4.6393385036 E -3	3.0248246353 E -4	-1.4555178731 E -5
7.50	-3.2472240308 E -1	5.5384655701 E -2	-5.6501199870 E -3	3.9446673901 E -4	-2.0338757348 E -5
7.75	-3.4259135477 E -1	6.2604013262 E -2	-6.833132461 E -3	5.1028459165 E -4	-2.8103060810 E -5
8.00	-3.5989373604 E -1	7.0332097318 E -2	-8.2098854455 E -3	6.5417556361 E -4	-3.8424992895 E -5
8.25	-3.7717119524 E -1	7.8884860781 E -2	-9.862931707 E -3	8.3194283736 E -4	-5.2021818357 E -5
8.50	-3.9410762572 E -1	8.7975052050 E -2	-1.1636470933 E -2	1.0500594193 E -3	-6.9779030335 E -5
8.75	-4.1059918372 E -1	9.7711783158 E -2	-1.3736904434 E -2	1.315958210 E -3	-9.2782594081 E -5
9.00	-4.2653430745 E -1	1.0810007898 E -1	-1.613887945 E -2	1.6381103813 E -3	-1.2235414651 E -4
9.25	-4.4179577456 E -1	1.1914040447 E -1	-1.881264487 E -2	2.0261778106 E -3	-1.6010477368 E -4
9.50	-4.5626077996 E -1	1.3028179956 E -1	-2.1915987229 E -2	2.4910811499 E -3	-2.0795925282 E -4
9.75	-4.698102494 E -1	1.4315323348 E -1	-2.5348219597 E -2	3.0451414984 E -3	-2.6824103997 E -4
10.00	-4.8228261336 E -1	1.5609925625 E -1	-2.9236209974 E -2	3.7022020819 E -3	-3.4371856881 E -4

TABLE 31b - Prolate Coefficients  $d_{l,0}^p$

C	r=21	r=23	r=25	r=27	r=29
0.25	1.632693692 E-24	-5.7758030629 E-29	1.1003520803 E-28	-1.5847060971 E-29	9.3285873746 E-31
0.50	6.6858131455 E-21	-9.4606748957 E-25	7.2245170735 E-26	-2.8092543127 E-27	8.0851952576 E-29
0.75	8.6709266728 E-19	-2.7606819270 E-22	7.2039906136 E-24	-1.5582779784 E-25	3.0968470955 E-27
1.00	2.7357313776 E-17	-1.5484691839 E-20	2.5574439052 E-22	-4.1448669015 E-24	6.7513594363 E-26
1.25	3.9779937179 E-16	-3.5181511091 E-19	4.7239792440 E-21	-6.387587278 E-23	9.7431371812 E-25
1.50	3.5435413228 E-15	-4.512845803 E-18	5.558993983 E-20	-7.3351390846 E-22	1.0260127445 E-23
1.75	2.2507440587 E-14	-3.9015509934 E-17	4.7024452527 E-19	-6.1031524693 E-21	8.4264180386 E-23
2.00	1.1160563401 E-13	-2.5268830155 E-16	3.0914410685 E-18	-4.0599947068 E-20	
2.25	4.5804008194 E-13	-1.3125412358 E-15	1.6657601035 E-17		
2.50	1.6192428026 E-12	-5.7285360876 E-15			
2.75	5.6731239847 E-12	-2.1717106224 E-14	7.6412374190 E-17	-2.2535557011 E-19	5.6594765663 E-22
3.00	1.4385449216 E-11	-7.3289051603 E-14	3.0689345813 E-16	-1.0771527591 E-18	3.2193574329 E-21
3.25	3.7513642255 E-11	-2.2430776588 E-13	1.1023746140 E-15	-4.5410162379 E-18	1.5928596639 E-20
3.50	9.1088327954 E-11	-6.316291141 E-13	3.6006035972 E-15	-1.7202076146 E-17	6.9981784665 E-20
3.75	2.0797782172 E-10	-1.6558072308 E-12	1.0834875298 E-14	-5.9425245470 E-17	2.7753270973 E-19
4.00	4.5008783598 E-10	-1.0773247870 E-12	3.0357716890 E-14	-1.8944877736 E-16	1.0047175613 E-18
4.25	9.2922691072 E-10	-4.5036618750 E-12	7.9885728266 E-14	-5.6282256705 E-16	3.3764736759 E-18
4.50	1.8400324831 E-9	-2.1099943446 E-11	1.9885573156 E-13	-1.5707725356 E-15	1.0565104747 E-17
4.75	3.5104653596 E-9	-4.4856874143 E-11	4.7106943249 E-13	-4.1462213402 E-15	3.1074230266 E-17
5.00	6.4173114599 E-9	-9.1720386354 E-11	1.0673763616 E-12	-1.0410535815 E-14	8.6457587140 E-17
5.25	1.1396556725 E-8	-1.8106780687 E-10	2.3233856167 E-12	-2.4985961208 E-14	2.2879083439 E-16
5.50	2.0201509897 E-8	-3.4623794307 E-10	4.8766174626 E-12	-5.7563470653 E-14	5.7854254776 E-16
5.75	3.425233010 E-8	-6.4312710536 E-10	9.9018546366 E-12	-1.2776401843 E-13	1.4036271896 E-15
6.00	5.7008304861 E-8	-1.1632732195 E-9	1.9504850797 E-11	-2.740704163 E-13	3.2788600559 E-15
6.25	9.2718302652 E-8	-2.0533945535 E-9	3.7365860511 E-11	-5.6979785799 E-13	7.3476935990 E-15
6.50	1.4791376758 E-7	-3.5440629264 E-9	6.9769479739 E-11	-1.1509471961 E-12	1.6164495540 E-14
6.75	2.3179296171 E-7	-5.9911153693 E-9	1.2722103959 E-10	-2.2636878086 E-12	3.4290714102 E-14
7.00	3.5727658331 E-7	-9.9345931676 E-9	2.2693880890 E-10	-4.3436213531 E-12	7.0775249825 E-14
7.25	5.4228396713 E-7	-1.6181502948 E-8	3.9663397310 E-10	-6.1455635942 E-12	1.4240349346 E-13
7.50	8.1137436353 E-7	-2.5920592735 E-8	6.8015759035 E-10	-1.4952276428 E-11	2.7980365617 E-13
7.75	1.1978389189 E-6	-4.0879712722 E-8	1.1458193170 E-9	-2.6904669252 E-11	5.3773134397 E-13
8.00	1.7463452745 E-6	-6.3539289760 E-8	1.8984842166 E-9	-4.7516207992 E-11	1.0122278987 E-12
8.25	2.5162556448 E-6	-9.7419112112 E-8	3.0969537589 E-9	-8.2462973791 E-11	1.8687796364 E-12
8.50	3.5857613148 E-6	-1.4746015123 E-7	4.9786635079 E-9	-1.4078116095 E-10	3.3878295791 E-12
8.75	5.057023166 E-6	-2.2052873025 E-7	7.894189880 E-9	-2.3666002117 E-10	6.0372953358 E-12
9.00	7.0623713824 E-6	-3.2507722040 E-7	1.2356788592 E-8	-3.9209598261 E-10	1.0566598360 E-11
9.25	9.7722370403 E-6	-4.7700389974 E-7	1.9106936493 E-8	-6.4078039433 E-10	1.6283772419 E-11
9.50	1.3404362982 E-5	-6.9076500376 E-7	2.9206183608 E-8	-1.03337390195 E-9	3.1127415536 E-11
9.75	1.8235350625 E-5	-9.9080476983 E-7	4.4160525019 E-8	-1.6474392031 E-9	5.2279861369 E-11
10.00	2.4614489859 E-5	-1.4083849303 E-6	6.6088826071 E-8	-2.5953479372 E-9	8.6668744278 E-11

TABLE 32 -- Prolate Coefficients  $d_1^{(0,10)}$

C	$r=0$	$r=2$	$r=4$	$r=6$	$r=8$
0.25	9.4606211137 E-20	1.2489210694 E-15	1.0910425637 E-11	7.4888882278 E-8	3.7102026756 E-4
0.50	9.6875721347 E-17	3.1981185910 E-13	6.9843082756 E-10	1.1984892099 E-6	1.4644036314 E-3
0.75	5.58623362423 E-15	8.2001840576 E-12	7.9586570328 E-9	6.0695922853 E-6	3.3411074373 E-3
1.00	9.9195990409 E-14	8.19611754128 E-11	4.4741142514 E-8	1.9192237225 E-5	5.9426927678 E-3
1.25	9.2379666333 E-13	4.8893045208 E-10	1.7079160810 E-7	4.6887758971 E-5	9.2912725877 E-3
1.50	5.7195832027 E-12	2.1044070702 E-9	5.10402589390 E-7	9.7302589390 E-5	1.3389438921 E-2
1.75	2.6717733671 E-11	7.2312347864 E-9	1.2883056131 E-6	1.8042874243 E-4	1.6240168847 E-2
2.00	1.0154916467 E-10	2.1073207058 E-8	2.8737581821 E-6	3.0811874764 E-4	2.3846709036 E-2
2.25	3.2972100537 E-10	5.4150925514 E-8	5.8330976276 E-6	4.9410462673 E-4	3.0212438534 E-2
2.50	9.4547895734 E-10	1.2600604646 E-7	1.0990785092 E-5	7.5401633535 E-4	3.7340709452 E-2
2.75	2.4518371950 E-9	2.7059934769 E-7	1.9499163016 E-5	1.1053989156 E-3	4.5234665203 E-2
3.00	5.8515331579 E-9	5.4386982421 E-7	3.2917051801 E-5	1.5677269261 E-3	5.3897035947 E-2
3.25	1.3024448751 E-8	1.0339860998 E-6	5.3297151358 E-5	2.1624145303 E-3	6.3329910906 E-2
3.50	2.7317902796 E-8	1.8748877171 E-6	8.3282725465 E-5	2.9128194434 E-3	7.3534887262 E-2
3.75	5.4436397617 E-8	3.2637820847 E-6	1.2621286595 E-4	3.8442387417 E-3	8.4510795401 E-2
4.00	1.0374108416 E-7	5.4833325987 E-6	1.8623695745 E-4	4.9838943561 E-3	9.6257400375 E-2
4.25	1.9009652291 E-7	8.9293440678 E-6	2.5843772197 E-4	6.369058772 E-3	1.0877107955 E-1
4.50	3.3643331203 E-7	1.4144822196 E-5	3.7896274085 E-4	8.0062481124 E-3	1.2204647657 E-1
4.75	5.7722978295 E-7	2.1861353348 E-5	5.2516389168 E-4	9.9526906535 E-3	1.3607573195 E-1
5.00	9.3315405911 E-7	3.3048817612 E-5	7.1574418744 E-4	1.2234716534 E-2	1.5084609078 E-1
5.25	1.5671490234 E-6	4.8974510507 E-5	9.6091115626 E-4	1.4588416894 E-2	1.6634948837 E-1
5.50	2.4922866546 E-6	7.1272804012 E-5	1.2725357619 E-3	1.7951358407 E-2	1.8256211494 E-1
5.75	3.8817640719 E-6	1.0202652332 E-4	1.6643155993 E-3	2.1462420114 E-2	1.9946396057 E-1
6.00	5.9314605295 E-6	1.4386124813 E-4	2.1519408310 E-3	2.5461596165 E-2	2.1702834255 E-1
6.25	8.9055212801 E-6	2.0005376220 E-4	2.7532610375 E-3	2.9989760930 E-2	2.3522341694 E-1
6.50	1.3155479112 E-5	2.7465586731 E-4	3.4884508263 E-3	3.5088392872 E-2	2.5401167744 E-1
6.75	1.9143465473 E-5	3.7263474166 E-4	4.3801717006 E-3	4.0799253583 E-2	2.7334944449 E-1
7.00	2.7470097969 E-5	5.0003094981 E-4	5.4537273088 E-3	4.7164018434 E-2	2.9318634852 E-1
7.25	3.8907656719 E-5	6.6413509426 E-4	6.7372087940 E-3	5.4223855405 E-2	3.1346481172 E-1
7.50	5.4439174807 E-5	8.7368392433 E-4	8.2616265302 E-3	6.2018948796 E-2	3.3411953327 E-1
7.75	7.5304063580 E-5	1.1390764742 E-3	1.0061024059 E-2	7.0587964751 E-2	3.5507698370 E-1
8.00	1.0305086617 E-4	1.4726104703 E-3	1.2172569536 E-2	7.9967455776 E-2	3.7625491456 E-1
8.25	1.3959767579 E-4	1.8887388043 E-3	1.4636619395 E-2	9.0191201708 E-2	3.9756189033 E-1
8.50	1.8730066049 E-4	2.4043452869 E-3	1.7496748296 E-2	1.0128948482 E-1	4.1889684921 E-1
8.75	2.4903099215 E-4	3.0390381279 E-3	2.0799738577 E-2	1.1328829698 E-1	4.4014870111 E-1
9.00	3.2826027127 E-4	3.8154585643 E-3	2.4595521406 E-2	1.2620847664 E-1	4.6119596947 E-1
9.25	4.2915424999 E-4	4.7596008907 E-3	2.8937060440 E-2	1.4004477328 E-1	4.8190648440 E-1
9.50	5.5667426073 E-4	5.9011378277 E-3	3.3800166944 E-2	1.5486483590 E-1	5.0213713340 E-1
9.75	7.1648521966 E-4	7.2737439337 E-3	3.9483232654 E-2	1.7068812067 E-1	5.2173367484 E-1
10.00	9.1606834628 E-4	8.9154052046 E-3	4.5808663027 E-2	1.8728471034 E-1	5.4053061768 E-1

TABLE 32a - Prolate Coefficients  $d_1^{0,10}$

C	r=10	r=12	r=14	r=16	r=18
0.25	1.0000716946 E 0	-3.7134737255 E -4	6.2578932118 E -8	-6.4453249970 E -12	4.6001965740 E -16
0.50	1.0002850627 E 0	-1.4857101903 E -3	1.0014805134 E -6	-4.1259085646 E -10	1.1779083131 E -13
0.75	1.0006349537 E 0	-3.3440418518 E -3	5.07182322675 E -6	-4.70137226809 E -9	3.0199501487 E -12
1.00	1.0011272723 E 0	-5.9479023225 E -3	1.6037503223 E -5	-2.6428750142 E -8	3.0180780000 E -11
1.25	1.001704626 E 0	-9.2994144961 E -3	3.9179070886 E -5	-1.0088282180 E -7	1.8000898936 E -10
1.50	1.0024004863 E 0	-1.3401202921 E -2	8.1304416849 E -5	-3.0147056470 E -7	7.7461665225 E -10
1.75	1.0031757954 E 0	-1.8256314724 E -2	1.5076192243 E -4	-7.6089370323 E -7	2.6611211270 E -9
2.00	1.0040098018 E 0	-2.3868122507 E -2	2.5745563159 E -4	-1.6971892503 E -6	7.7528661042 E -9
2.25	1.0048763419 E 0	-3.0240208982 E -2	4.1286189867 E -4	-3.4447216332 E -6	1.9915976571 E -8
2.50	1.0057456407 E 0	-3.7376233066 E -2	6.3004686330 E -4	-6.4902214135 E -6	4.6327202445 E -8
2.75	1.0065842742 E 0	-4.5279777139 E -2	9.2368399875 E -4	-1.1513969819 E -5	9.9450194614 E -8
3.00	1.0073551338 E 0	-5.3954175186 E -2	1.3100708728 E -3	-1.9436228009 E -5	1.9979917745 E -7
3.25	1.0080173920 E 0	-6.3402321515 E -2	1.8071441520 E -3	-3.1469004540 E -5	3.7968145435 E -7
3.50	1.0085264749 E 0	-7.3626459802 E -2	2.4344917673 E -3	-4.9173243306 E -5	6.8813327518 E -7
3.75	1.0088340397 E 0	-8.4627952230 E -2	3.2133610507 E -3	-7.4521496540 E -5	1.1972872448 E -6
4.00	1.0088879637 E 0	-9.6407028549 E -2	4.1666615335 E -3	-1.0996612281 E -4	2.0104335594 E -6
4.25	1.0086323438 E 0	-1.0896251496 E -1	5.3189609874 E -3	-1.5851301745 E -4	3.2720617790 E -6
4.50	1.0080075124 E 0	-1.2229154284 E -1	6.6944731702 E -3	-2.2390084215 E -4	5.1801944011 E -6
4.75	1.0069500707 E 0	-1.3638923742 E -1	8.3270356279 E -3	-3.1018567060 E -4	8.0013479478 E -6
5.00	1.0053929443 E 0	-1.5124838664 E -1	1.02400075789 E -2	-4.22883090777 E -4	1.2088481352 E -5
5.25	1.0032654627 E 0	-1.6685909078 E -1	1.2466563481 E -2	-5.6780227094 E -4	1.7902314786 E -5
5.50	1.0004934689 E 0	-1.8320839326 E -1	1.5038947884 E -2	-7.5216754037 E -4	2.6036424331 E -5
5.75	9.9699946074 E -1	-2.0027989374 E -1	1.7991076858 E -2	-9.8410069628 E -4	3.7246538645 E -5
6.00	9.9270276921 E -1	-2.1805334445 E -1	2.1358096459 E -2	-1.2739899561 E -3	5.2484462514 E -5
6.25	9.8751977803 E -1	-2.3650423139 E -1	2.5176328413 E -2	-1.6295491122 E -3	7.2937328404 E -5
6.50	9.8136418793 E -1	-2.5560334190 E -1	2.9483123224 E -2	-2.0659314427 E -3	1.0007153031 E -4
6.75	9.7414733096 E -1	-2.7531632104 E -1	3.4316686549 E -2	-2.5958453338 E -3	1.3568462382 E -4
7.00	9.6577853855 E -1	-2.9560321902 E -1	3.9715876471 E -2	-3.2346706016 E -3	1.8196148146 E -4
7.25	9.5616555607 E -1	-3.1641803285 E -1	4.5719969254 E -2	-3.9993743448 E -3	2.4153911368 E -4
7.50	9.4521509193 E -1	-3.3770824551 E -1	5.2368391242 E -2	-4.9096249950 E -3	3.1757840082 E -4
7.75	9.3283325327 E -1	-3.5941436660 E -1	5.9700414591 E -2	-5.9859030613 E -3	4.1384393251 E -4
8.00	9.1892262918 E -1	-3.8146947887 E -1	6.7754814672 E -2	-7.2516048909 E -3	5.3479231571 E -4
8.25	9.0340124431 E -1	-4.0379879541 E -1	7.6569487104 E -2	-8.7321516007 E -3	6.8566939325 E -4
8.50	8.8616671874 E -1	-4.2631923298 E -1	8.6181022623 E -2	-1.0455259170 E -2	8.7261679128 E -4
8.75	8.6713315008 E -1	-4.4893900709 E -1	9.6624238202 E -2	-1.2451037543 E -2	1.1027881885 E -3
9.00	8.4621673309 E -1	-4.715525481 E -1	1.0752046443 E -1	-1.4739347536 E -2	1.3844756750 E -3
9.25	8.2333443595 E -1	-4.9406369133 E -1	1.2013297946 E -1	-1.7393347536 E -2	1.7272465471 E -3
9.50	7.9841109321 E -1	-5.1633830615 E -1	1.3325441502 E -1	-2.0412536465 E -2	2.1420908703 E -3
9.75	7.7137757739 E -1	-5.3825110407 E -1	1.4731809030 E -1	-2.3849754246 E -2	2.6415801434 E -3
10.00	7.4217264873 E -1	-5.5966189552 E -1	1.6234131690 E -1	-2.7747675462 E -2	3.2400374070 E -3



TABLE 32b - Prolate Coefficients  $d_1^{10}$

C	r=20	r=22	r=24	r=26	r=28
0.25	-2.4423733687 E-20	1.0101517342 E-24	-3.3627866165 E-29	6.0531386634 E-29	-8.2655097923 E-30
0.50	-2.5015397180 E-17	4.1384924121 E-21	-5.5108047890 E-25	3.9704885671 E-24	-1.4668675906 E-27
0.75	-1.4430412233 E-15	5.3715106366 E-19	-1.6093561732 E-22	3.9704885671 E-24	-8.1481504711 E-26
1.00	-2.5638218490 E-14	1.6966168007 E-17	-9.0368603134 E-21	3.9704885671 E-24	-2.1710466699 E-24
1.25	-2.3893084052 E-13	2.405761997 E-12	-2.056256629 E-16	1.4115341175 E-22	-3.4844221152 E-23
1.50	-1.4805761997 E-12	2.2045111093 E-15	-2.6419894402 E-18	2.6118124760 E-21	-3.8589111504 E-22
1.75	-6.9231832987 E-12	1.4030841363 E-14	-2.2887495263 E-17	3.076725211 E-20	-3.2192345287 E-21
2.00	-2.6344662149 E-11	6.9736214364 E-14	-1.4857948993 E-16	2.6112748533 E-19	-2.1477969150 E-20
2.25	-8.5653340965 E-11	2.865945915 E-13	-7.7380476036 E-16	1.7212647880 E-18	-1.1959981728 E-19
2.50	-2.4598215493 E-10	1.0174243939 E-12	-3.3871441379 E-15	9.3015299304 E-18	-5.7366275488 E-19
2.75	-6.3895677223 E-10	3.1979008475 E-12	-1.2882179542 E-14	4.2805680339 E-17	-2.42375574876 E-18
3.00	-1.5277536145 E-9	9.0998930668 E-12	-4.3626192784 E-14	1.7252186292 E-16	-9.2331882719 E-18
3.25	-3.4074091153 E-9	2.3820288529 E-11	-1.3402761314 E-13	6.2204949161 E-15	-3.2033934891 E-17
3.50	-7.1628382848 E-9	5.8074361366 E-11	-3.7897974074 E-13	2.0399895137 E-15	-1.0259130726 E-16
3.75	-1.4307290595 E-8	1.3317384377 E-10	-9.9768901500 E-13	6.1652139052 E-15	-3.0625087886 E-16
4.00	-2.7336440680 E-8	2.8952946901 E-10	-2.4680193036 E-12	1.7353079808 E-14	-8.5903401471 E-14
4.25	-5.0232114027 E-8	6.0064966809 E-10	-5.7804454337 E-12	4.5684736699 E-14	-2.2795087400 E-15
4.50	-8.9167299082 E-8	1.1954630344 E-9	-1.2898959359 E-11	1.1479763738 E-13	-5.7550580680 E-15
4.75	-1.5348040299 E-7	2.2929285629 E-9	-2.7568173668 E-11	2.733873564 E-13	-1.3891672035 E-14
5.00	-2.5697464556 E-7	4.254381040 E-9	-5.6682563667 E-11	6.2280355595 E-13	-7.1893832297 E-14
5.25	-4.1965685461 E-7	7.6609661069 E-9	-1.1254464248 E-10	1.3636416471 E-12	-1.5519587107 E-13
5.50	-6.699957157 E-7	1.3425940922 E-8	-2.1649596384 E-10	2.8792366247 E-12	-3.2475024822 E-13
5.75	-1.0476648684 E-6	2.2954649391 E-8	-4.0462361197 E-10	5.8822152815 E-12	-6.033773768 E-13
6.00	-1.6082328238 E-6	3.8368748862 E-8	-7.3654470553 E-10	1.1660429006 E-11	-1.3074026532 E-12
6.25	-2.425063815 E-6	6.2815989973 E-8	-1.3086766785 E-9	2.2483915838 E-11	-2.5265120974 E-12
6.50	-3.611902376 E-6	1.0089168819 E-7	-2.2739417284 E-9	4.2263029882 E-11	-4.7715252867 E-12
6.75	-5.268170595 E-6	1.5920763648 E-7	-3.8705666979 E-9	7.7592691025 E-11	-8.6218819384 E-12
7.00	-7.6016546092 E-6	2.4714678104 E-7	-6.4635697308 E-9	1.3938023572 E-10	-1.5989871157 E-11
7.25	-1.0830063238 E-5	3.7785872554 E-7	-1.0603726787 E-8	2.4534193715 E-10	-2.8448677168 E-11
7.50	-1.5247609181 E-5	5.6955707774 E-7	-1.7110350276 E-8	4.257743476 E-10	-4.974122537 E-11
7.75	-2.1230332718 E-5	8.4719607029 E-7	-2.7186167604 E-8	7.1917219418 E-10	-8.558452654 E-11
8.00	-2.9255012840 E-5	1.2446190751 E-6	-4.2575054152 E-8	1.2004887421 E-9	-1.4491932735 E-10
8.25	-3.9921619483 E-5	1.8072904295 E-6	-6.5776466247 E-8	1.9731352316 E-9	-2.4192854340 E-10
8.50	-5.3979824482 E-5	2.597437958 E-6	-1.0033427092 E-7	3.1962162052 E-9	-3.9838219708 E-10
8.75	-7.2360147043 E-5	3.6899056573 E-6	-1.5122244319 E-7	5.1070257094 E-9	-6.4757627007 E-10
9.00	-9.6210370719 E-5	5.1944820495 E-6	-2.2535529381 E-7	8.0552229993 E-9	-1.0398289558 E-9
9.25	-1.2693793932 E-4	7.245309307 E-6	-3.226273728 E-7	1.2552403821 E-8	-1.6504140269 E-9
9.50	-1.6625911639 E-4	1.0019182517 E-5	-4.8496039891 E-7	1.9335573949 E-8	-2.9461303816 E-8
9.75	-2.1625578138 E-4	1.3740716495 E-5	-7.010944208 E-7	2.9461303816 E-8	-4.4428333487 E-8
10.00	-2.7944083733 E-4	1.8697859547 E-5	-1.0044053068 E-6	4.4428333487 E-8	-6.4428333487 E-8

TABLE 33 - Prolete Coefficients 4.11

C	r=0	r=2	r=4	r=6	r=8
0.25	9.9875297511 E -1	-8.3090848581 E -4	3.5305093288 E -7	-8.5696158977 E -11	1.3363346851 E -14
0.50	9.9504729703 E -1	-3.2948077670 E -3	5.5890409430 E -6	-5.4209785170 E -9	3.3792227143 E -12
0.75	9.8898690352 E -1	-7.3072240091 E -3	2.7799874776 E -5	-6.0565138688 E -8	8.4856236574 E -11
1.00	9.8073772549 E -1	-1.2733862711 E -2	8.5735346234 E -5	-3.5126039694 E -7	6.2386823464 E -10
1.25	9.7051744817 E -1	-1.9399628535 E -2	2.0289400142 E -4	-1.2210675302 E -6	4.7359050645 E -9
1.50	9.5858252878 E -1	-2.710001376 E -2	4.0521004915 E -4	-3.4981221372 E -6	1.9490156368 E -8
1.75	9.4521366330 E -1	-3.5613579553 E -2	7.1862599608 E -4	-8.4051633275 E -6	6.3557667722 E -8
2.00	9.3070100596 E -1	-4.714639918 E -2	1.1668362822 E -3	-1.7729546841 E -5	1.7451721904 E -7
2.25	9.1533039615 E -1	-5.4184590651 E -2	1.7694390457 E -3	-3.5818032294 E -5	4.19617229373 E -7
2.50	8.9937163932 E -1	-6.3821433887 E -2	2.5406523996 E -3	-5.9531620010 E -5	9.0804560816 E -7
2.75	8.8306955347 E -1	-7.3446681775 E -2	3.4886558871 E -3	-9.8146082264 E -5	1.8025729136 E -6
3.00	8.663809338 E -1	-8.2909538208 E -2	4.6155266750 E -3	-1.5321187678 E -4	3.3306130206 E -6
3.25	8.5025747610 E -1	-9.2088498961 E -2	5.9176698613 E -3	-2.2839152928 E -4	5.7921428786 E -6
3.50	8.3407391922 E -1	-1.0089077966 E -1	7.3866020573 E -3	-3.2729312329 E -4	9.5639579367 E -6
3.75	8.1820140971 E -1	-1.0925012528 E -1	9.0099378055 E -3	-4.5331597947 E -4	1.5099788627 E -5
4.00	8.0272485292 E -1	-1.1712358755 E -1	1.0772443208 E -2	-6.0952019586 E -4	2.2926167590 E -5
4.25	7.8770398743 E -1	-1.2448780202 E -1	1.2657050771 E -2	-7.9852675022 E -4	3.3634456217 E -5
4.50	7.7317755639 E -1	-1.3133518929 E -1	1.4645764254 E -2	-1.0224503362 E -3	4.7869716407 E -5
4.75	7.5916736073 E -1	-1.3767037916 E -1	1.6720414897 E -2	-1.2828635873 E -3	6.6317281798 E -5
5.00	7.4568195358 E -1	-1.4350703769 E -1	1.8863256583 E -2	-1.5807890110 E -3	8.9687934700 E -5
5.25	7.3271984933 E -1	-1.4886518010 E -1	2.1057405824 E -2	-1.9167137161 E -3	1.1870255605 E -4
5.50	7.2027220618 E -1	-1.5376898228 E -1	2.3287143500 E -2	-2.2906216289 E -3	1.5407701500 E -4
5.75	7.0832499877 E -1	-1.5824505855 E -1	2.5538100492 E -2	-2.7020381003 E -3	1.9650792857 E -4
6.00	6.9686073038 E -1	-1.6232114961 E -1	2.7797350461 E -2	-3.1500823598 E -3	2.4665977242 E -4
6.25	6.8585974981 E -1	-1.6602515471 E -1	3.0053431613 E -2	-3.6335239961 E -3	3.0513367527 E -4
6.50	6.7530124117 E -1	-1.6938444291 E -1	3.2296316607 E -2	-4.1508404102 E -3	3.7255809440 E -4
6.75	6.6516395069 E -1	-1.7242538385 E -1	3.4517346484 E -2	-4.7002729168 E -3	4.4938145188 E -4
7.00	6.5542670745 E -1	-1.7517304664 E -1	3.6709141357 E -2	-5.2798798175 E -3	5.3606671498 E -4
7.25	6.4606878538 E -1	-1.7765102469 E -1	3.8865497675 E -2	-5.8875853231 E -3	6.3298782990 E -4
7.50	6.3707014541 E -1	-1.7988135243 E -1	4.0981279412 E -2	-6.5212236507 E -3	7.4044786330 E -4
7.75	6.2841158866 E -1	-1.818848756 E -1	4.3052308492 E -2	-7.1785779769 E -3	8.586786738 E -4
8.00	6.2007484442 E -1	-1.8367933840 E -1	4.5075258142 E -2	-7.8574141963 E -3	9.8784188804 E -4
8.25	6.1204261130 E -1	-1.8528332130 E -1	4.7047551638 E -2	-8.5555096320 E -3	1.1280310439 E -3
8.50	6.0429856539 E -1	-1.8671243677 E -1	4.8967267926 E -2	-9.2706760789 E -3	1.2792745747 E -3
8.75	5.9682734571 E -1	-1.8798135625 E -1	5.0833054933 E -2	-1.0000783848 E -2	1.4415395563 E -3
9.00	5.8961452446 E -1	-1.8910351367 E -1	5.2644050863 E -2	-1.0743768335 E -2	1.6147359648 E -3
9.25	5.8264656776 E -1	-1.9009119790 E -1	5.4399813429 E -2	-1.1497651037 E -2	1.7987213030 E -3
9.50	5.7591079061 E -1	-1.9095564320 E -1	5.6100256734 E -2	-1.2260543974 E -2	1.9933054502 E -3
9.75	5.6939530915 E -1	-1.9170711606 E -1	5.7745595351 E -2	-1.3030656822 E -2	2.1982556095 E -3
10.00	5.6308899207 E -1	-1.9235499732 E -1	5.9336295094 E -2	-1.3806300857 E -2	2.4133012504 E -3

TABLE 33a -- Prolete Coefficients 4.11

C	r=10	r=12	r=14	r=16	r=18
0.25	-1.4489701106 E-18	1.1548565994 E-22	-7.0486619302 E-27	3.3995546158 E-31	-3.4345676210 E-30
0.50	-1.4649881527 E-15	4.6690377638 E-19	-1.1396288856 E-22	2.1981554298 E-26	-4.9624429793 E-27
0.75	-8.2712308729 E-14	5.9281455822 E-17	-3.2581458274 E-20	1.4119129814 E-23	-8.5291445458 E-25
1.00	-1.4261945946 E-12	1.8158669904 E-15	-1.7711882944 E-18	1.3655072921 E-21	-4.5477049639 E-23
1.25	-1.2792874193 E-11	2.5425866974 E-14	-3.8722181240 E-17	4.6621876487 E-20	-1.1530207106 E-21
1.50	-7.5688447319 E-11	2.1636253910 E-13	-4.7406282021 E-16	8.2127998963 E-19	-1.7459860066 E-20
1.75	-3.3528973261 E-10	1.3027016259 E-12	-3.8807953005 E-15	9.1432723250 E-18	-1.8095080015 E-19
2.00	-1.1996978969 E-9	6.0778735663 E-12	-2.3618797614 E-14	7.2608226991 E-17	-1.4015845408 E-18
2.25	-3.6416203937 E-9	2.3304482270 E-11	-1.1444904427 E-13	4.4477843393 E-16	-8.6174537283 E-18
2.50	-9.6985397776 E-9	7.6455977776 E-11	-4.6277827448 E-13	2.2174239244 E-15	-4.3909918963 E-17
2.75	-2.3216542393 E-8	2.2091013010 E-10	-1.6149016761 E-12	9.3489991978 E-15	-1.9144905490 E-16
3.00	-5.0859701853 E-8	5.7434970626 E-10	-4.9862622799 E-12	3.4296989759 E-14	-7.3189191224 E-16
3.25	-1.0337524983 E-7	1.3659303776 E-9	-1.3895081985 E-11	1.1188286230 E-13	-2.5005048443 E-15
3.50	-1.9707084918 E-7	3.009924010 E-9	-3.5396156848 E-11	3.3012219191 E-13	-7.7518120210 E-15
3.75	-3.5543038756 E-7	6.2095683259 E-9	-8.3595646578 E-11	8.9307118083 E-13	-3.2076728415 E-14
4.00	-6.1077340932 E-7	1.2093654816 E-8	-1.8449091953 E-10	2.2396773209 E-12	-5.8349283764 E-14
4.25	-1.0058550383 E-6	2.2390283217 E-8	-3.8478385576 E-10	5.2543272105 E-12	-1.4433921871 E-13
4.50	-1.5952991369 E-6	3.9435047831 E-8	-7.6102448600 E-10	1.1619060376 E-11	-3.3457415324 E-13
4.75	-2.4467798738 E-6	6.7412190327 E-8	-1.4339402627 E-9	2.433669551 E-11	-7.4432244427 E-13
5.00	-3.6418712315 E-6	1.1062285566 E-7	-2.6026852763 E-9	4.8767155971 E-11	-1.5692298992 E-12
5.25	-5.2765177679 E-6	1.7577296076 E-7	-4.5408500323 E-9	9.3500960461 E-11	-3.1681861234 E-12
5.50	-7.4610984292 E-6	2.7127142986 E-7	-7.6583089807 E-9	1.7247956034 E-10	-6.1493987870 E-12
5.75	-1.032080132 E-5	4.0772846123 E-7	-1.2524368522 E-8	3.0719587448 E-10	-1.1514345539 E-11
6.00	-1.3991278500 E-5	5.9324304672 E-7	-1.9915225951 E-8	5.2988603117 E-10	-2.0841144003 E-11
6.25	-1.8624760437 E-5	8.5866915161 E-7	-3.084475893 E-8	8.8758924405 E-10	-3.6667988706 E-11
6.50	-2.4381436404 E-5	1.2078507182 E-6	-4.6719122660 E-8	1.4472430260 E-9	-6.2677595499 E-11
6.75	-3.1431399143 E-5	1.6678168827 E-6	-6.9200291642 E-8	2.3019313416 E-9	-1.0440729199 E-10
7.00	-3.9952070443 E-5	2.2439303735 E-6	-1.0046759561 E-7	3.5783837021 E-9	-1.6981011794 E-10
7.25	-5.0126218733 E-5	3.0249838672 E-6	-1.4318591521 E-7	5.4459771631 E-9	-2.7011492137 E-10
7.50	-6.2139908475 E-5	3.9832409900 E-6	-2.0059320568 E-7	8.1260216630 E-9	-4.2087360399 E-10
7.75	-7.6180438126 E-5	5.1744205598 E-6	-2.7656785034 E-7	1.1905113416 E-8	-6.4324366331 E-10
8.00	-9.2434317474 E-5	6.6376244738 E-6	-3.7569404569 E-7	1.7146222657 E-8	-9.6553301716 E-10
8.25	-1.1108532816 E-4	8.4152112871 E-6	-5.0332372384 E-7	2.4303742496 E-8	-1.4250319419 E-9
8.50	-1.3231270353 E-4	1.0552618941 E-5	-6.6563358899 E-7	3.3938606705 E-8	-2.0701537971 E-9
8.75	-1.5628945626 E-4	1.3098141267 E-5	-8.6967596143 E-7	4.6734587350 E-8	-2.9629020946 E-9
9.00	-1.8318087464 E-4	1.6102663779 E-5	-1.1234222757 E-6	6.3515409764 E-8	-4.1816763394 E-9
9.25	-2.1314320153 E-4	1.9419364901 E-5	-1.4357982616 E-6	8.5262473628 E-8	-5.8244248644 E-9
9.50	-2.4632250340 E-4	2.3703389149 E-5	-1.8167100375 E-6	1.133294567 E-7	-8.0121412581 E-9
9.75	-2.8285373178 E-4	2.8411498923 E-5	-2.2770605587 E-6	1.4847797248 E-7	-1.0892705254 E-9
10.00	-3.2285997424 E-4	3.3801711510 E-5	-2.8287560766 E-6	1.9286075138 E-7	

TABLE 33b - Prolate Coefficients  $d_{111}$

C	r=20	r=22	r=24	r=26	r=28
0.25					
0.50					
0.75	1.4415681796 E-30				
1.00	4.4034832851 E-28				
1.25	3.6672341307 E-26				
1.50	1.3382640744 E-24				
1.75	2.7567265179 E-23				
2.00	3.7291448215 E-22				
2.25	3.6529189580 E-21				
2.50	2.7703562346 E-20				
2.75	1.7063884241 E-19				
3.00	8.844290492 E-19				
3.25	3.9633438090 E-18				
3.50	1.5683203049 E-17				
3.75	5.5732405904 E-17				
4.00	1.8030816847 E-16				
4.25	5.3708132029 E-16				
4.50	1.4867881614 E-15				
4.75	3.8553855924 E-15				
5.00	9.4277544031 E-15				
5.25	2.1865877763 E-14				
5.50	4.8339266179 E-14				
5.75	1.0230163549 E-13				
6.00	2.0804373678 E-13				
6.25	4.0790498046 E-13				
6.50	7.7334129794 E-13				
6.75	1.4214258746 E-12				
7.00	2.5388016583 E-12				
7.25	4.4156043923 E-12				
7.50	7.4924223765 E-12				
7.75	1.2423939815 E-11				
8.00	2.0163504031 E-11				
8.25	3.2073461165 E-11				
8.50	5.0066606012 E-11				
8.75	7.6784703789 E-11				
9.00	1.1582031924 E-10				
9.25	1.7198861128 E-10				
9.50	2.5165587709 E-10				
9.75	3.6313168028 E-10				
10.00	5.1713126880 E-10				
		-2.4853043294 E-29	1.0853290338 E-30	-1.2150291259 E-30	5.9438565741 E-31
		-1.3054924804 E-27	4.1382563735 E-29	-2.4088693315 E-29	
		-3.658955409 E-26	9.5401994577 E-28	-3.4311067327 E-28	
		-6.4605944643 E-25	1.4951428890 E-26		
		-8.0044140152 E-24	1.7259207472 E-25		
		-7.4889781776 E-23			
		-5.5768969642 E-22	1.5540762545 E-24	-3.7360231076 E-27	7.8271132797 E-30
		-3.4368680091 E-21	1.1388869948 E-23	-3.2561411156 E-26	8.1136951875 E-29
		-1.8056485067 E-20	7.0162492630 E-23	-2.5524967556 E-25	6.8752420362 E-28
		-8.2774469080 E-20	3.7266710929 E-22	-1.4479715625 E-24	4.9043341969 E-27
		-3.3726261635 E-19	1.7412869743 E-21	-7.7597757957 E-24	3.0148054972 E-26
		-1.2398279782 E-18	7.2750226325 E-21	-3.6851184204 E-23	1.6276246624 E-25
		-4.1632033894 E-18	2.754424694 E-20	-1.5734633657 E-22	7.8383360110 E-25
		-1.2900983285 E-17	9.5568130900 E-20	-6.1136146233 E-22	3.4110660539 E-24
		-3.7213276561 E-17	3.0672491542 E-19	-2.1836240894 E-21	1.3560458733 E-23
		-1.0065620345 E-16	9.1791985460 E-19	-7.2316063623 E-21	4.9706140826 E-23
		-2.5691089965 E-16	2.5789758983 E-18	-2.2370260844 E-20	1.6932277920 E-22
		-6.2213218395 E-16	6.8428636819 E-18	-6.5050461746 E-20	5.3971303133 E-22
		-1.4361224295 E-15	1.7234655208 E-17	-1.7880270120 E-19	1.6193081498 E-21
		-3.1732356682 E-15	4.1389290445 E-17	-4.6681238651 E-19	4.5969302875 E-21
		-6.7358522759 E-15	9.5149342549 E-17	-1.1625210517 E-18	1.2403910234 E-20
		-1.3780230234 E-14	2.1012079574 E-16	-2.7719236142 E-18	3.1941240810 E-20
		-2.7247865026 E-14	4.4711723222 E-16	-6.3493983901 E-18	7.877373845 E-20
		-5.2206582958 E-14	9.1930889265 E-16	-1.4013516097 E-18	1.8667829110 E-19
		-9.714584175 E-14	1.8308916805 E-15	-2.9880115612 E-17	4.2625551943 E-19
		-1.7592154257 E-13	3.3398922549 E-15	-6.1699060904 E-17	9.4025571375 E-19
		-3.1060740118 E-13	6.6575484240 E-15	-1.2364447364 E-16	2.0082993968 E-18
		-5.3558684349 E-13	1.2201793976 E-14	-2.4094644109 E-16	4.1622557539 E-18
		-9.0330021553 E-13	2.1828997057 E-14	-4.5739099041 E-16	8.3863777041 E-18
		-1.4921737831 E-12	3.8176523507 E-14	-8.4718589928 E-16	1.4455802824 E-17
		-2.4173541620 E-12	6.5359189547 E-14	-1.5333299547 E-15	3.1495681304 E-17
		-3.8450049542 E-12	1.0967548354 E-13	-2.7154756896 E-15	5.888423788 E-17
		-6.0110468541 E-12	1.8059479280 E-13	-4.7113889982 E-15	1.0768267067 E-16
		-9.2453597895 E-12	2.9211493002 E-13	-6.017536517 E-15	1.9284989072 E-16
		-1.4002403512 E-11	4.6460015471 E-13	-1.3396131484 E-14	3.3861946483 E-16
		-2.0900949749 E-11	7.2723355886 E-13	-2.1998193806 E-14	5.8354834625 E-16

TABLE 34 -- Prolete Coefficients  $d_1^2$

C	r = 1	r = 3	r = 5	r = 7	r = 9
0.25	9.9808966159 E -1	-7.636654919 E -4	2.6781133018 E -7	-5.4620090090 E -11	7.3166328293 E -15
0.50	9.9239362197 E -1	-3.0550938741 E -3	4.2561236714 E -6	-3.4714810995 E -9	1.8598570360 E -12
0.75	9.8301570958 E -1	-6.7563287848 E -3	2.1305489390 E -5	-3.9087049271 E -8	4.7107274980 E -11
1.00	9.7012534586 E -1	-1.1833295125 E -2	6.6284361115 E -5	-2.1608522894 E -7	4.6283204606 E -10
1.25	9.5395222962 E -1	-1.0139446295 E -2	1.5859023743 E -4	-8.073002878 E -7	2.7006794309 E -9
1.50	9.3477914238 E -1	-2.5520649248 E -2	3.2084803220 E -4	-2.3499884258 E -6	1.1314460349 E -8
1.75	9.1293312220 E -1	-3.3801077608 E -2	5.7739558420 E -4	-5.7502822390 E -6	3.7658174098 E -8
2.00	8.8877532372 E -1	-4.2789839034 E -2	9.5266213026 E -4	-1.2376256389 E -5	1.0577419732 E -7
2.25	8.6268994947 E -1	-5.2288019308 E -2	1.4695542256 E -3	-2.4125936340 E -5	2.6070493100 E -7
2.50	8.3507269694 E -1	-6.2095796496 E -2	2.1479636937 E -3	-4.3456140045 E -5	5.7904213345 E -7
2.75	8.0631921304 E -1	-7.2019267283 E -2	3.0035028640 E -3	-7.3367618338 E -5	1.1812219020 E -6
3.00	7.7681407183 E -1	-8.1876638613 E -2	4.0465535060 E -3	-1.1734009784 E -4	2.2445355580 E -6
3.25	7.4692078548 E -1	-9.1503474550 E -2	5.2816884746 E -3	-1.7922210302 E -4	4.0156350817 E -6
3.50	7.1697331212 E -1	-1.0075675187 E -1	6.7074914309 E -3	-2.6308305450 E -4	6.8211173942 E -6
3.75	6.8726943486 E -1	-1.0951756587 E -1	8.3167636846 E -3	-3.7304030371 E -4	1.1074849082 E -5
4.00	6.5806628530 E -1	-1.179243280 E -1	1.0097072723 E -2	-5.1307629885 E -4	1.7280954282 E -5
4.25	6.2957788447 E -1	-1.2521324575 E -1	1.2031568976 E -2	-6.8686160713 E -4	2.6031811666 E -5
4.50	6.0197524382 E -1	-1.3203404251 E -1	1.4099979609 E -2	-8.9759795533 E -4	3.8000914533 E -5
4.75	5.7538773166 E -1	-1.3813882312 E -1	1.6274682622 E -2	-1.1478922001 E -3	5.3930974115 E -5
5.00	5.4990639032 E -1	-1.4351870127 E -1	1.8546770979 E -2	-1.4396670921 E -3	7.4618019978 E -5
5.25	5.2558813949 E -1	-1.4818868416 E -1	2.0877032426 E -2	-1.7741166452 E -3	1.0089265787 E -4
5.50	5.0246062850 E -1	-1.5217435269 E -1	2.3246792326 E -2	-2.1516875751 E -3	1.3359964304 E -4
5.75	4.8052729710 E -1	-1.551066603 E -1	2.5635589906 E -2	-2.5721100950 E -3	1.7357702987 E -4
6.00	4.5977230648 E -1	-1.5823905440 E -1	2.8016679322 E -2	-3.0344435499 E -3	2.2163597895 E -4
6.25	4.4016509318 E -1	-1.6040490062 E -1	3.0373463546 E -2	-3.5371464728 E -3	2.785421243 E -4
6.50	4.2166439041 E -1	-1.6205545515 E -1	3.2699180214 E -2	-4.0711574315 E -3	3.4499915696 E -4
6.75	4.0422164320 E -1	-1.6323818454 E -1	3.4967964629 E -2	-4.654982121 E -3	4.2163510436 E -4
7.00	3.8778380798 E -1	-1.6399952241 E -1	3.7171816841 E -2	-5.26448031843 E -3	5.0899147083 E -4
7.25	3.7229557236 E -1	-1.64438397349 E -1	3.9300998513 E -2	-5.9045158747 E -3	6.0751535932 E -4
7.50	3.5770105787 E -1	-1.6443351343 E -1	4.1347782221 E -2	-6.5708649070 E -3	7.1755444923 E -4
7.75	3.4394508129 E -1	-1.6418722646 E -1	4.3306271973 E -2	-7.2604804495 E -3	8.3935465351 E -4
8.00	3.3097405197 E -1	-1.6368112740 E -1	4.5172209719 E -2	-7.9499891229 E -3	9.7306019030 E -4
8.25	3.1873657851 E -1	-1.6294812107 E -1	4.6942778943 E -2	-8.695989462 E -3	1.1187157621 E -3
8.50	3.0718384926 E -1	-1.6201806044 E -1	4.8614413226 E -2	-9.4351813489 E -3	1.2762705134 E -3
8.75	2.9626984159 E -1	-1.6091787191 E -1	5.0192615086 E -2	-1.018439769 E -2	1.4455834322 E -3
9.00	2.8595140489 E -1	-1.5967172363 E -1	5.1671788363 E -2	-1.0940560017 E -2	1.6264298749 E -3
9.25	2.7618825307 E -1	-1.5830121837 E -1	5.3055085874 E -2	-1.1700568821 E -2	1.8185080977 E -3
9.50	2.6694289433 E -1	-1.5682559750 E -1	5.4344275029 E -2	-1.2461961677 E -2	2.0214511915 E -3
9.75	2.5818051948 E -1	-1.5526194644 E -1	5.5541607169 E -2	-1.3222094212 E -2	2.2348271435 E -3
10.00	2.4986886449 E -1	-1.5362539515 E -1	5.6649732088 E -2	-1.3978618728 E -2	2.4581555045 E -3

TABLE 34a - Prolate Coefficients  $d_1^{12}$

C	r=11	r=13	r=15	r=17	r=19
0.25	-6.9427742716 E-19	4.9158024876 E-23	-2.6980204521 E-27	7.6890038218 E-27	-1.1004003473 E-30
0.50	-7.0586763259 E-16	1.9990165441 E-19	-4.3883918134 E-23	4.9891698643 E-24	-2.60048506429 E-27
0.75	-4.0220657698 E-14	2.5625745926 E-17	-1.2656417032 E-20	4.8934127663 E-24	-2.60048506429 E-27
1.00	-7.0237269877 E-13	7.9543063430 E-16	-6.9832873457 E-19	1.7005483767 E-20	-1.5206990741 E-23
1.25	-6.4019181674 E-12	1.1325838626 E-14	-1.5533704891 E-17	3.0601629293 E-19	-3.9400366797 E-22
1.50	-3.8807293493 E-11	9.8326348693 E-14	-1.9415254403 E-16	3.4911800477 E-18	-6.1170879193 E-21
1.75	-1.7481645948 E-10	6.079182451 E-13	-1.627892147 E-15	2.8492550168 E-17	-6.5191786733 E-20
2.00	-6.4097500188 E-10	2.8998606315 E-12	-1.0173328809 E-14	1.7982754551 E-16	-5.2060402722 E-19
2.25	-1.9980179187 E-9	1.1434335596 E-11	-5.0748425254 E-14	9.2565495086 E-16	-3.3073251244 E-18
2.50	-5.4740131670 E-9	3.8650663403 E-11	-2.1167622880 E-13	4.0363764343 E-15	-1.74433761183 E-17
2.75	-1.3498152728 E-8	1.1523485241 E-10	-7.6318727494 E-13	1.5334182837 E-14	-7.8830158521 E-17
3.00	-3.0488198235 E-8	3.0948101199 E-10	-2.4375892439 E-12	5.1845889829 E-14	-3.1263976955 E-16
3.25	-6.3927059642 E-8	7.4078165022 E-10	-7.026952310 E-12	1.5862216007 E-13	-1.1086484608 E-15
3.50	-1.2573738448 E-7	1.7333870505 E-9	-1.8551000574 E-11	4.4498279328 E-13	-3.5676594233 E-15
3.75	-2.3392835931 E-7	3.696925357 E-9	-4.5371929856 E-11	1.1568971445 E-12	-1.0545708205 E-14
4.00	-4.1445152169 E-7	7.4408878313 E-9	-1.0377640692 E-10	2.8121409960 E-12	-2.8912865079 E-14
4.25	-7.0316844800 E-7	1.4226923449 E-8	-2.2369375953 E-10	6.4380696189 E-12	-7.4135418780 E-14
4.50	-1.147804968 E-6	2.5984923426 E-8	-4.5735397341 E-10	1.3968217360 E-11	-1.7901675729 E-13
4.75	-1.8097833333 E-6	4.555127815 E-8	-8.9178817655 E-10	2.8872909899 E-11	-4.0751158593 E-13
5.00	-2.7657281028 E-6	7.6948485728 E-8	-1.6661179870 E-9	5.7119617631 E-11	-8.9198559776 E-13
5.25	-4.1086555670 E-6	1.2569957095 E-7	-2.9945535457 E-9	1.0857941968 E-10	-1.8581983682 E-12
5.50	-5.9486359743 E-6	1.9916936613 E-7	-5.1959155568 E-9	1.9901493079 E-10	-3.7146504747 E-12
5.75	-8.4129476370 E-6	3.0692074388 E-7	-8.7303145644 E-9	3.528004771 E-10	-7.1617389012 E-12
6.00	-1.145676924 E-5	4.6107320579 E-7	-1.4243369000 E-8	6.05353536115 E-10	-1.3335343756 E-11
6.25	-1.5806778183 E-5	6.7664972876 E-7	-2.2618036556 E-8	1.0137140092 E-9	-2.4058914363 E-11
6.50	-2.1070631565 E-5	9.7189782764 E-7	-3.5033789998 E-8	1.6506124080 E-9	-4.2157680332 E-11
6.75	-2.7624158590 E-5	1.3685714716 E-6	-5.3032510164 E-8	2.6235335399 E-9	-7.1902093093 E-11
7.00	-3.5664570901 E-5	1.8921618821 E-6	-7.859011478 E-8	4.0775366492 E-9	-1.1939478934 E-10
7.25	-4.5396837429 E-5	2.5720671831 E-6	-1.1419264009 E-7	6.2067370406 E-9	-1.9433403294 E-10
7.50	-5.7030959304 E-5	3.4416932195 E-6	-1.6291513986 E-7	9.2662281038 E-9	-3.0898650961 E-10
7.75	-7.0779141404 E-5	4.5384804315 E-6	-2.2850170146 E-7	1.3585631444 E-8	-4.8140332022 E-10
8.00	-8.6852944954 E-5	5.903853320 E-6	-3.1544454540 E-7	1.9584229240 E-8	-7.3591286548 E-10
8.25	-1.0546049821 E-4	7.583997313 E-6	-4.2906025760 E-7	2.787453141 E-8	-1.1051224250 E-9
8.50	-1.2680383270 E-4	9.6251612645 E-6	-5.7556113705 E-7	3.884492114 E-8	-1.6320619230 E-9
8.75	-1.5107640159 E-4	1.2082374924 E-5	-7.6211974634 E-7	5.2551091454 E-8	-2.3728821610 E-9
9.00	-1.7846082526 E-4	1.5010137106 E-5	-9.9692489891 E-7	7.286095911 E-8	-3.3987536945 E-9
9.25	-2.0912689762 E-4	1.8466519088 E-5	-1.2892275226 E-6	9.791190619 E-8	-4.8011487403 E-9
9.50	-2.4322987558 E-4	2.2511835922 E-5	-1.6493750918 E-6	1.3105940170 E-7	-6.6933349372 E-9
9.75	-2.8090904411 E-4	2.7208179327 E-5	-2.0888336006 E-6	1.7086453557 E-7	-9.21648814584 E-9
10.00	-3.2228669991 E-4	3.2618924496 E-5	-2.6201963357 E-6	2.2086453557 E-7	-1.21648814584 E-9

TABLE 34b - Prolate Coefficients 4<sub>1</sub><sup>12</sup>

C	r=21	r=23	r=25	r=27	r=29
0.25					
0.50					
0.75	4.305080884 E-31	-7.1215168127 E-30	2.9683002581 E-31	-3.2938625100 E-31	2.2178868877 E-30
1.00	1.3343067321 E-28	-3.8252603619 E-28	1.1616342342 E-29	-6.7442666643 E-30	2.3893038373 E-29
1.25	1.1318435236 E-26	-1.099552210 E-26	2.7571934573 E-28	-9.9448164030 E-29	2.1044023333 E-28
1.50	8.9213259609 E-24	-1.9991517586 E-25	4.4611954926 E-27	-4.894087537 E-25	1.5643444941 E-27
1.75	1.2416028948 E-22	-2.5561943194 E-24	5.3293003166 E-26	-2.7303319851 E-24	1.0014692506 E-26
2.00	1.2546038386 E-21	-2.4738930749 E-23		-1.349649256 E-23	5.6302491937 E-26
2.25	9.8372985197 E-21			-5.9953589150 E-23	2.8225151943 E-25
2.50				-2.4221732457 E-22	1.277977825 E-24
2.75	6.2760674846 E-20	-1.9092487322 E-22	4.9755181688 E-25	-3.0889822534 E-21	2.0096737563 E-23
3.00	3.3740837268 E-19	-1.2211578940 E-21	3.7862417598 E-24	-1.0169771281 E-27	2.3893038373 E-29
3.25	1.5697984209 E-18	-6.663857899 E-21	2.424661767 E-23	-7.6411663599 E-26	2.1044023333 E-28
3.50	6.4528754499 E-18	-3.1762916733 E-20	1.3395453492 E-22	-4.894087537 E-25	1.5643444941 E-27
3.75	2.3825189785 E-17	-1.3456099523 E-19	6.5118189139 E-22	-2.7303319851 E-24	1.0014692506 E-26
4.00	9.0071519093 E-17	-5.1425500718 E-19	2.8301782973 E-21	-1.349649256 E-23	5.6302491937 E-26
4.25	2.4764578652 E-16	-1.7943967271 E-18	1.1112425005 E-20	-5.9953589150 E-23	2.8225151943 E-25
4.50	7.1130144195 E-16	-5.7741067748 E-18	4.0172904449 E-20	-2.4221732457 E-22	1.277977825 E-24
4.75	1.9119842139 E-15	-1.7279840166 E-17	1.3384309915 E-19	-8.9876122784 E-22	5.2801251528 E-24
5.00	4.8413671150 E-15	-4.8439833529 E-17	4.1548680839 E-19	-3.0889822534 E-21	2.0096737563 E-23
5.25					
5.50	1.1613236811 E-14	-1.2798411714 E-16	1.2093074879 E-18	-9.9053419831 E-21	7.1005463658 E-23
5.75	2.6519468551 E-14	-3.2042482074 E-16	3.3199329379 E-18	-2.9821931990 E-20	2.3444243204 E-22
6.00	5.7897519053 E-14	-7.6373869485 E-16	8.4405383484 E-18	-8.4768925188 E-20	7.2782480584 E-22
6.25	1.2130332748 E-13	-1.7401969558 E-15	2.1414603562 E-17	-2.2852857919 E-19	2.1349911935 E-21
6.50	2.4470830882 E-13	-3.8042267262 E-15	5.0739976146 E-17	-5.8697196220 E-19	5.9451384297 E-21
6.75	4.7673079639 E-13	-8.0048305387 E-15	1.1334088802 E-16	-1.4416701287 E-18	1.5779168326 E-20
7.00	8.9927776326 E-13	-1.6259536572 E-14	2.5232807464 E-16	-3.5974127413 E-18	4.0061238134 E-20
7.25	1.6464156028 E-12	-3.1963679064 E-14	5.3273812743 E-16	-7.705207119 E-18	9.740917834 E-20
7.50	2.9318085888 E-12	-6.0954702150 E-14	1.0882296857 E-15	-1.6882385709 E-17	2.2889754547 E-19
	5.0876546982 E-12	-1.1299784495 E-13	2.1556180726 E-15	-3.569802517 E-17	5.1797936693 E-19
7.75	8.6186995316 E-12	-2.0401860763 E-13	4.1491542946 E-15	-7.3267554289 E-17	1.1337889533 E-18
8.00	1.4275603186 E-11	-3.5938019002 E-13	7.7748750231 E-15	-1.4607975467 E-16	2.4056518564 E-18
8.25	2.3152649822 E-11	-6.1859164406 E-13	1.4207248744 E-14	-2.8344741751 E-16	4.9574957202 E-18
8.50	3.6815498371 E-11	-1.0419352787 E-12	2.5366038367 E-14	-5.3614473344 E-16	9.9401897073 E-18
8.75	5.7465344814 E-11	-1.7196197445 E-12	4.4261119102 E-14	-9.9010175502 E-16	1.9423940021 E-17
9.00	8.8144689030 E-11	-2.7841975271 E-12	7.5665258193 E-14	-1.7878667852 E-16	3.7045796878 E-17
9.25	1.3300465907 E-10	-4.4271297176 E-12	1.2682988446 E-13	-3.1594785421 E-15	4.9055052561 E-17
9.50	1.9760421049 E-10	-6.9205367929 E-12	2.0867493834 E-13	-5.472981054 E-15	1.2596666618 E-16
9.75	2.8931196040 E-10	-1.0645334199 E-11	3.3736111515 E-13	-9.3018143950 E-15	2.2512464249 E-16
10.00	4.1775570173 E-10	-1.6127116767 E-11	5.3640156524 E-13	-1.5526984586 E-14	3.9441339363 E-16

TABLE 35 - Prolete Coefficients d, 13

C	r = 0	r = 2	r = 4	r = 6	r = 8
0.25	2.1405732522 E - 3	1.0005996043 E 0	-6.6172548520 E - 4	1.9718511404 E - 7	-3.4697428571 E - 11
0.50	8.5347853857 E - 3	1.0023714382 E 0	-2.6510459017 E - 3	3.159527089 E - 6	-2.2237141126 E - 9
0.75	1.9099389954 E - 2	1.0052345211 E 0	-5.9799849163 E - 3	1.6032984498 E - 5	-2.5386457774 E - 8
1.00	3.3693435171 E - 2	1.0090539069 E 0	-1.0667213742 E - 2	5.0832521488 E - 5	-1.4306800921 E - 7
1.25	5.2115644474 E - 2	1.0136412639 E 0	-1.6735937172 E - 2	1.2457784333 E - 4	-5.4775177276 E - 6
1.50	7.4102049479 E - 2	1.0187566870 E 0	-2.4210901710 E - 2	2.5943668500 E - 4	-1.6422832331 E - 6
1.75	9.9324972878 E - 2	1.0241125272 E 0	-3.3114504494 E - 2	4.828277.807 E - 4	-4.1591561448 E - 6
2.00	1.2739447790 E - 1	1.0293799455 E 0	-4.3462124110 E - 2	8.2742034174 E - 4	-9.3072035823 E - 6
2.25	1.5786321537 E - 1	1.0341986494 E 0	-5.5236885245 E - 2	1.3309587612 E - 3	-1.8943173022 E - 5
2.50	1.9023521413 E - 1	1.0381898524 E 0	-6.8484207768 E - 2	2.0358354449 E - 3	-3.5762592471 E - 5
2.75	2.2397862959 E - 1	1.0409719995 E 0	-8.3106603361 E - 2	2.988379454 E - 3	-6.3500430791 E - 5
3.00	2.5854188243 E - 1	1.0421783014 E 0	-9.9059250069 E - 2	4.2375949921 E - 3	-1.071275087 E - 4
3.25	2.9337209953 E - 1	1.0414747322 E 0	-1.1624697369 E - 1	5.8340020931 E - 3	-1.7302665316 E - 4
3.50	3.2793441119 E - 1	1.0385769499 E 0	-1.3454238633 E - 1	7.8275102807 E - 3	-2.6912273031 E - 4
3.75	3.6173052125 E - 1	1.0322646248 E 0	-1.5378758361 E - 1	1.0265508425 E - 2	-4.0495394374 E - 4
4.00	3.9431505795 E - 1	1.0253919077 E 0	-1.7379600315 E - 1	1.3190632729 E - 2	-5.9165650945 E - 4
4.25	4.2530849401 E - 1	1.0148931769 E 0	-1.9435782641 E - 1	1.6638589493 E - 2	-8.4185275924 E - 4
4.50	4.5440583055 E - 1	1.0017837080 E 0	-2.1524649405 E - 1	2.0636173075 E - 2	-1.1694352149 E - 3
4.75	4.8138069898 E - 1	9.8615542211 E - 1	-2.3622653033 E - 1	2.5199646282 E - 2	-1.5892489904 E - 3
5.00	5.0608498191 E - 1	9.6816833652 E - 1	-2.5706195593 E - 1	3.0333624564 E - 2	-2.1166865570 E - 3
5.25	5.284444020 E - 1	9.4803869892 E - 1	-2.7752462558 E - 1	3.6030360699 E - 2	-2.7672180091 E - 3
5.50	5.4845112203 E - 1	9.202500852 E - 1	-2.9740186045 E - 1	4.2270849172 E - 2	-3.5558875243 E - 3
5.75	5.6615350484 E - 1	8.8750216335 E - 1	-3.1650284861 E - 1	4.9023687248 E - 2	-4.4968104888 E - 3
6.00	5.8164537663 E - 1	8.4750216335 E - 1	-3.3446344368 E - 1	5.6248052116 E - 2	-5.6027052747 E - 3
6.25	5.9505441004 E - 1	8.0519066918 E - 1	-3.517917659 E - 1	6.3894788766 E - 2	-6.8844892825 E - 3
6.50	6.0453124144 E - 1	7.5966630397 E - 1	-3.676548177 E - 1	7.1908257199 E - 2	-8.3509611020 E - 3
6.75	6.1623966949 E - 1	7.0789694118 E - 1	-3.8231229994 E - 1	8.0228502140 E - 2	-1.000858115 E - 2
7.00	6.2434836499 E - 1	6.5062478743 E - 1	-3.9561233767 E - 1	8.8793241672 E - 2	-1.1861355709 E - 2
7.25	6.3102427080 E - 1	5.8336288587 E - 1	-4.0771832924 E - 1	9.7539718365 E - 2	-1.3910813374 E - 2
7.50	6.3642768870 E - 1	5.1629375324 E - 1	-4.1845466098 E - 1	1.0640631096 E - 1	-1.6156073159 E - 2
7.75	6.4070891584 E - 1	4.4954972982 E - 1	-4.2790469103 E - 1	1.1533866032 E - 1	-1.8593973498 E - 2
8.00	6.4400620970 E - 1	3.831459056 E - 1	-4.3610704319 E - 1	1.2426669518 E - 1	-2.1219278022 E - 2
8.25	6.4644482224 E - 1	3.1762599043 E - 1	-4.4311208500 E - 1	1.3315336870 E - 1	-2.4024848760 E - 2
8.50	6.4813684383 E - 1	2.527837532 E - 1	-4.4897873132 E - 1	1.4194712922 E - 1	-2.700197422 E - 2
8.75	6.4918161746 E - 1	1.8922606623 E - 1	-4.5377165265 E - 1	1.5060617555 E - 1	-3.0140545727 E - 2
9.00	6.4966652660 E - 1	1.2460630213 E - 1	-4.5755891789 E - 1	1.5909371572 E - 1	-3.3429361895 E - 2
9.25	6.4966799372 E - 1	6.4174209833 E - 1	-4.6041006452 E - 1	1.6737789145 E - 1	-3.6856350374 E - 2
9.50	6.4925257487 E - 1	4.9831653881 E - 1	-4.6239456576 E - 1	1.7543159153 E - 1	-4.0408806662 E - 2
9.75	6.4847806289 E - 1	4.9831653881 E - 1	-4.6358065025 E - 1	1.8323219037 E - 1	-4.4073619275 E - 2
10.00	6.4739454809 E - 1	4.7775184269 E - 1	-4.6403442463 E - 1	1.9076123710 E - 1	-4.7837435572 E - 2



TABLE 35c - Propane Coefficients  $d_{f,13}$

C	r=10	r=12	r=14	r=16	r=18
0.25	4.0762311762 E-15	-3.4402579977 E-19	2.1920075182 E-23	-1.0932195293 E-27	2.8787796974 E-27
0.50	1.0449130175 E-12	-3.5274234929 E-16	8.9899535559 E-20	-1.7933869993 E-23	1.8947125569 E-24
0.75	2.6838168053 E-11	-2.0383976267 E-14	1.1688346739 E-17	-5.2461161455 E-21	1.8955406724 E-22
1.00	2.6886016067 E-10	-3.630084875 E-13	3.7001957211 E-16	-2.9523486687 E-19	6.756300525 E-21
1.25	1.6081759553 E-9	-3.392303355 E-12	5.4025877426 E-15	-6.7350514982 E-18	1.2536930662 E-19
1.50	6.9422114606 E-9	-2.1085102378 E-11	4.8351463650 E-14	-8.6792717879 E-17	1.4825114435 E-18
1.75	2.3926494895 E-8	-9.8900576836 E-11	3.0866435468 E-13	-7.5408820938 E-16	1.2603503031 E-17
2.00	6.9919975837 E-8	-3.7744008899 E-10	1.5384220548 E-12	-4.9086265752 E-15	8.3250550602 E-17
2.25	1.8007688800 E-7	-1.2301203222 E-9	6.3449997544 E-12	-2.5620193315 E-14	4.5045254775 E-16
2.50	4.1962394550 E-7	-3.5383151325 E-9	2.2528994591 E-11	-1.1229607394 E-13	
2.75	9.0135339569 E-7	-9.1947618109 E-9	7.0828981154 E-11	-4.271403572 E-13	2.0730066344 E-15
3.00	1.8092004415 E-6	-2.1959498788 E-8	2.0128027907 E-10	-1.4443837045 E-12	8.3414948810 E-15
3.25	3.4284161749 E-6	-4.8826159472 E-8	5.2514023522 E-10	-4.4219689419 E-12	2.9967724070 E-14
3.50	6.1822759696 E-6	-1.0208387435 E-7	1.2730749094 E-9	-1.2430441876 E-11	9.7684283109 E-14
3.75	1.0674497271 E-5	-2.0227342652 E-7	2.8949936129 E-9	-3.2442475209 E-11	2.9261882261 E-13
4.00	1.7735645565 E-5	-3.8222727194 E-7	6.2222781433 E-9	-7.9316076379 E-11	8.1379456134 E-13
4.25	2.8470694829 E-5	-6.9234433761 E-7	1.2718624898 E-8	-1.8296764894 E-10	2.1187234829 E-12
4.50	4.4305724808 E-5	-1.2071806309 E-6	2.4850474796 E-8	-4.0063833440 E-10	5.1995453949 E-12
4.75	6.7025637089 E-5	-2.0333285708 E-6	4.6611044711 E-8	-8.3689837444 E-10	1.2097254844 E-11
5.00	9.8805886754 E-5	-3.3184439973 E-6	8.4232282828 E-8	-1.6748727597 E-9	2.68137333109 E-11
5.25	1.4222762968 E-4	-5.2611324547 E-6	1.4711584135 E-7	-3.2230415111 E-9	5.6858351570 E-11
5.50	2.0027776692 E-4	-8.1212941770 E-6	2.4900704191 E-7	-5.9827795706 E-9	1.1576426098 E-10
5.75	2.7633102503 E-4	-1.2230426663 E-5	4.0942493027 E-7	-1.0742450977 E-8	2.2702836925 E-10
6.00	3.7411426771 E-4	-1.8001333387 E-5	6.5534777075 E-7	-1.8704258012 E-8	4.30065222006 E-10
6.25	4.9765447508 E-4	-2.5933685492 E-5	1.0231378195 E-6	-3.1650084105 E-8	7.8891266085 E-10
6.50	6.5121304904 E-4	-3.6635931248 E-5	1.5606735182 E-6	-5.2152205253 E-8	1.4045781757 E-9
6.75	8.3920995846 E-4	-5.0800136632 E-5	2.3296427220 E-6	-8.3833960311 E-8	2.4320591740 E-9
7.00	1.0661416604 E-3	-6.9234433761 E-5	3.4079384071 E-6	-1.3168428351 E-7	4.1031975311 E-9
7.25	1.3364967408 E-3	-9.2848059085 E-5	4.8920892570 E-6	-2.0242846098 E-7	6.7564273034 E-9
7.50	1.6546728880 E-3	-1.2265146714 E-4	6.8996519909 E-6	-3.0495564817 E-7	1.0876134459 E-8
7.75	2.0248982621 E-3	-1.5975136394 E-4	9.5714903218 E-6	-4.5080166363 E-7	1.7138759763 E-8
8.00	2.4511596627 E-3	-2.0534308591 E-4	1.3073866822 E-5	-6.5468345238 E-7	2.6473933684 E-8
8.25	2.9371392205 E-3	-2.670075166 E-4	1.7600278413 E-5	-9.3507948856 E-7	4.0134831052 E-8
8.50	3.4861607131 E-3	-3.2716616864 E-4	2.3314848324 E-5	-1.3148483630 E-6	5.9762971712 E-8
8.75	4.1011460628 E-3	-4.0613545323 E-4	3.0644095939 E-5	-1.8218759493 E-6	8.7586873338 E-8
9.00	4.7845821261 E-3	-4.9904512265 E-4	3.9696419007 E-5	-2.4897400318 E-6	1.2633528882 E-7
9.25	5.5384975328 E-3	-6.0735718368 E-4	5.0843630166 E-5	-3.3583799433 E-6	1.7956524082 E-7
9.50	6.364490618 E-3	-7.3254385789 E-4	6.44430157802 E-5	-4.4747580591 E-6	2.5170471051 E-7
9.75	7.2635168441 E-3	-8.7607224626 E-4	8.0830529342 E-5	-5.8934994599 E-6	3.4822945829 E-7
10.00	8.2363075475 E-3	-1.0393892504 E-3	1.0044826636 E-4	-7.6774961316 E-6	4.7583306424 E-7

TABLE 35b - Prolate Coefficients  $d_{l,3}$

C	r=20	r=22	r=24	r=26	r=28
0.25	-3.8006974560 E-31	4.4255730467 E-29	-2.2603003459 E-30	3.6952128754 E-30	-2.20335087584 E-30
0.50	-5.6282224893 E-28	3.8508304167 E-27	-1.2522419725 E-28	9.1409879976 E-29	-3.4185520852 E-29
0.75	-1.0009848480 E-25	1.4815875863 E-25	-3.7335475683 E-27	1.5489079083 E-27	1.0794038138 E-28
1.00	-5.5744963240 E-24	3.2455054662 E-24	-7.0714113974 E-26	1.9464981158 E-26	-3.9172619305 E-27
1.25	-1.4894699112 E-22	4.7065191287 E-23	-9.4678164300 E-25	3.2351339346 E-22	-3.1321334635 E-26
1.50	-2.3972369677 E-21	4.9791750764 E-22	-9.6378800620 E-24	1.5069126897 E-21	-2.1412365282 E-25
1.75	-2.6617327235 E-20	4.1057760110 E-21	-7.8560480420 E-23	6.3676827740 E-21	-1.2780128163 E-24
2.00	-2.2250464879 E-19	2.7660273828 E-20	-5.3269747316 E-22	1.5490695844 E-24	-6.7724558592 E-24
2.25	-1.4862323194 E-18	1.5760990357 E-19	-3.0927332069 E-21	1.0554286824 E-23	-3.2303258516 E-23
2.50	-8.2754300531 E-18	7.7974666026 E-19	-1.5721380526 E-20	6.2217577015 E-23	-1.4026629228 E-22
2.75	-3.9625317314 E-17	3.4179910932 E-18	-7.1216972038 E-20	3.2351339346 E-22	-5.5973581813 E-22
3.00	-1.6703380869 E-16	1.3489119562 E-17	-2.9158842333 E-19	1.5069126897 E-21	-2.0692852038 E-21
3.25	-6.3146515329 E-16	4.8547717233 E-17	-1.0916015820 E-18	6.3676827740 E-21	-7.1358703047 E-21
3.50	-2.1711490310 E-15	1.6101721013 E-16	-3.7723202137 E-18	2.4666223835 E-20	-2.3090856353 E-20
3.75	-6.8688274471 E-15	4.9642169820 E-16	-1.2130300752 E-17	8.8357566736 E-20	-7.0477050085 E-20
4.00	-2.0183987958 E-14	1.4330086135 E-15	-3.6541840202 E-17	2.9485973469 E-19	-2.0362049212 E-19
4.25	-5.5517910635 E-14	3.8969993972 E-15	-1.0372422379 E-16	9.2249962987 E-19	-5.6078207582 E-19
4.50	-1.4387406495 E-13	1.0036389970 E-14	-2.7881548803 E-16	2.7206481964 E-18	-1.4731683021 E-18
4.75	-3.5322072728 E-13	2.4590433996 E-14	-7.1285513696 E-16	7.5999081555 E-18	-3.7070566959 E-18
5.00	-8.2541757233 E-13	5.7547152263 E-14	-1.7402373277 E-15	2.0192981855 E-17	-8.9617971132 E-18
5.25	-1.8434915086 E-12	1.2908464259 E-13	-4.0703022361 E-15	5.1223536836 E-17	-2.0869042613 E-17
5.50	-3.9491448593 E-12	2.7840315711 E-13	-9.1492903319 E-15	1.2446988265 E-16	-4.6924649521 E-17
5.75	-8.1401596234 E-12	5.7894575111 E-13	-1.9819362290 E-14	2.9059446409 E-16	-1.0210557548 E-16
6.00	-1.6190278593 E-11	1.1637494790 E-12	-4.1478089705 E-14	6.5360672275 E-16	-2.1543984211 E-16
6.25	-3.1150532797 E-11	2.2663842597 E-12	-8.4054587539 E-14	1.4197811747 E-15	-4.160802515 E-16
6.50	-5.8111000207 E-11	4.2851260355 E-12	-1.6527922547 E-13	2.9852249826 E-15	-8.8089430123 E-16
6.75	-1.0532554487 E-10	7.8809009472 E-12	-3.1594656484 E-13	6.0880053462 E-15	-1.7126544514 E-15
7.00	-1.8582884825 E-10	1.4123019599 E-11	-5.8817148463 E-13	1.2065146621 E-14	-3.2501635083 E-15
7.25	-3.1970436147 E-10	2.4700985330 E-11	-1.0680332738 E-12	2.5381603167 E-13	-6.0285480757 E-15
7.50	-5.3719274066 E-10	4.2225639206 E-11	-1.8945091813 E-12	4.3779450211 E-14	-1.0942872853 E-14
7.75	-8.8286166685 E-10	7.0648606292 E-11	-3.2872345295 E-12	8.0404168746 E-14	-1.9460794135 E-14
8.00	-1.4210882605 E-9	1.1583536151 E-10	-5.5864065411 E-12	1.4438217738 E-13	-3.3944058402 E-14
8.25	-2.2431322981 E-9	1.8633413030 E-10	-9.3090863543 E-12	2.5381603167 E-13	
8.50	-3.4761072773 E-9	2.9439012395 E-10	-1.5227257272 E-11	4.3731886393 E-13	
8.75	-5.2941546712 E-9	4.5726208396 E-10	-2.4474270975 E-11	7.3929454600 E-13	
9.00	-7.9321748717 E-9	6.9890553669 E-10	-3.8687754916 E-11	1.2274668512 E-12	
9.25	-1.1702421588 E-8	1.0520942720 E-9			
9.50	-1.7014295914 E-8				
9.75	-2.4397637779 E-8				
10.00					

TABLE 36 - Prolate Coefficients  $d_r^{1,4}$

C	$r=1$	$r=3$	$r=5$	$r=7$	$r=9$
0.25	1.4162842171 E -3	9.9956223087 E -1	-5.7365309191 E -4	1.4850235172 E -7	-2.2987725596 E -11
0.50	5.6537123748 E -3	9.9824533003 E -1	-2.2914006855 E -3	2.372953476 E -6	-1.4690354743 E -9
0.75	1.2677769449 E -2	9.9603823565 E -1	-5.743632178 E -3	1.1982349882 E -5	-1.6692098148 E -8
1.00	2.2430133899 E -2	9.929241832 E -1	-9.1144123911 E -3	3.7743034124 E -5	-9.3466226568 E -8
1.25	3.4827516309 E -2	9.8887114163 E -1	-2.4181562626 E -2	9.1750340257 E -5	-3.5498769750 E -7
1.50	4.9760111243 E -2	9.8384909813 E -1	-1.0316751182 E -2	1.8925998773 E -4	-1.0543722181 E -6
1.75	6.7089764133 E -2	9.7781190992 E -1	-2.7485514194 E -2	3.4847438255 E -4	-2.6422241807 E -6
2.00	8.6648014313 E -2	9.7070584906 E -1	-3.5647181735 E -2	5.902872789 E -4	-5.8455273081 E -6
2.25	1.0823424893 E -1	9.6246792800 E -1	-4.4754657726 E -2	9.3798799206 E -4	-1.1755774882 E -5
2.50	1.3161428366 E -1	9.5302656251 E -1	-5.4754022083 E -2	1.4169121163 E -3	-2.1923866598 E -5
2.75	1.5651976091 E -1	9.4230301399 E -1	-6.5583944331 E -2	2.0540437012 E -3	-3.8458771749 E -5
3.00	1.8264880564 E -1	9.3021379372 E -1	-7.7174930048 E -2	2.8775255561 E -3	-6.4126258085 E -5
3.25	2.0966683787 E -1	9.1667414993 E -1	-8.9448462113 E -2	3.9161902374 E -3	-1.0244300436 E -4
3.50	2.3721869733 E -1	9.0160265554 E -1	-1.0231614307 E -1	5.1987378765 E -3	-1.5776031360 E -4
3.75	2.6491993639 E -1	8.8492677442 E -1	-1.1567898586 E -1	6.7531467637 E -3	-2.3533038156 E -4
4.00	2.9238119490 E -1	8.6658912241 E -1	-1.2942702830 E -1	8.6057214049 E -3	-3.4134700173 E -4
4.25	3.1921142067 E -1	8.4655398092 E -1	-1.4343945369 E -1	1.0780148333 E -2	-4.8295192310 E -4
4.50	3.4503169495 E -1	8.2481349818 E -1	-1.5758537871 E -1	1.3296470589 E -2	-6.6819820297 E -4
4.75	3.6948802898 E -1	8.0139295463 E -1	-1.7172541907 E -1	1.6170045219 E -2	-9.0596301280 E -4
5.00	3.9226367560 E -1	7.7635449520 E -1	-1.8571406770 E -1	1.9410546404 E -2	-1.2058048790 E -3
5.25	4.1308994184 E -1	7.4979884539 E -1	-1.9940283029 E -1	2.3021087034 E -2	-1.5777638411 E -3
5.50	4.3175461064 E -1	7.2186471647 E -1	-2.1264396850 E -1	2.6997534082 E -2	-2.0321077559 E -3
5.75	4.4810731861 E -1	6.9272583869 E -1	-2.2529462423 E -1	3.1328086771 E -2	-2.5790330981 E -3
6.00	4.6204155131 E -1	6.6258580503 E -1	-2.3722104081 E -1	3.5993171133 E -2	-3.2283337153 E -3
6.25	4.7359325515 E -1	6.3167112515 E -1	-2.4830257557 E -1	4.0965681508 E -2	-3.9890553031 E -3
6.50	4.8273637766 E -1	6.0022305275 E -1	-2.5843521037 E -1	4.6211571416 E -2	-4.8691562045 E -3
6.75	4.8957589736 E -1	5.688884013 E -1	-2.6753431241 E -1	5.1690766376 E -2	-5.8751959854 E -3
7.00	4.9423906720 E -1	5.3671308707 E -1	-2.7553446890 E -1	5.7358343622 E -2	-7.0120718352 E -3
7.25	4.9688566347 E -1	5.0512979035 E -1	-2.8240030693 E -1	6.3165901636 E -2	-8.2828192496 E -3
7.50	4.9769801158 E -1	4.7355558196 E -1	-2.8810630206 E -1	6.9063029020 E -2	-9.6884881244 E -3
7.75	4.9687146475 E -1	4.4338448593 E -1	-2.9265566380 E -1	7.4998778844 E -2	-1.1228099026 E -2
8.00	4.9460586528 E -1	4.1358435249 E -1	-2.960845412 E -1	8.0923061213 E -2	-1.2898677905 E -2
8.25	4.9109834479 E -1	3.8469496328 E -1	-2.9838113901 E -1	8.6787881784 E -2	-1.4695361717 E -2
8.50	4.8653764487 E -1	3.5682766447 E -1	-2.998379075 E -1	9.2548374554 E -2	-1.6611563034 E -2
8.75	4.8109998208 E -1	3.3006628608 E -1	-2.9991715181 E -1	9.8163600057 E -2	-1.8639179082 E -2
9.00	4.7494635736 E -1	3.0446905103 E -1	-2.9924974477 E -1	1.0359710196 E -1	-2.0768829808 E -2
9.25	4.6822112396 E -1	2.8007116348 E -1	-2.9777517379 E -1	1.0881723353 E -1	-2.2990110303 E -2
9.50	4.6105158210 E -1	2.5688778567 E -1	-2.9550971901 E -1	1.137927876 E -1	-2.5291844746 E -2
9.75	4.5354835585 E -1	2.3491715423 E -1	-2.9255028222 E -1	1.1851340141 E -1	-2.7662331549 E -2
10.00	4.4580632104 E -1	2.1414364065 E -1	-2.8897270504 E -1	1.2295445822 E -1	-3.0089572027 E -2

TABLE 36a - Prolate Coefficients  $d_{l,1}$

C	r=11	r=13	r=15	r=17	r=19
0.25	2.4059094652 E-15	-1.8290433910 E-19	1.0596468416 E-23	-4.8436267727 E-28	1.1736920897 E-27
0.50	6.1498634839 E-13	-1.8700918899 E-16	4.3336553445 E-20	-1.92335415731 E-24	7.6894525856 E-25
0.75	1.5722115224 E-11	-1.0756697036 E-14	5.6084624018 E-18	-2.3071934679 E-21	7.6447100530 E-23
1.00	1.5649903458 E-10	-1.9034510382 E-13	1.7642980079 E-16	-1.2902682101 E-19	2.7036032404 E-21
1.25	9.2868083797 E-10	-1.7648120469 E-12	2.5558451867 E-15	-2.9204598607 E-18	4.9711109251 E-20
1.50	3.9717738147 E-9	-1.0868247920 E-11	2.2664321941 E-14	-3.7291468504 E-17	5.8185520762 E-19
1.75	1.546577688 E-8	-5.0452063031 E-11	1.4319907188 E-13	-2.2069181689 E-16	4.8923081768 E-18
2.00	3.9142335113 E-8	-1.9039806970 E-10	7.0581893197 E-13	-2.0644905746 E-15	3.1945299555 E-17
2.25	9.9624154901 E-8	-6.1329824278 E-10	2.8773685938 E-12	-1.0651477105 E-14	1.7084830599 E-16
2.50	2.2937160104 E-7	-1.7432246615 E-9	1.0096800242 E-11	-4.6142955767 E-14	7.7733559433 E-16
2.75	4.8686540266 E-7	-4.4772037047 E-9	3.1377560323 E-11	-1.7350902431 E-13	3.0943091779 E-15
3.00	9.6615335108 E-7	-1.0573742457 E-8	8.8190275496 E-11	-5.8036463757 E-13	1.1007829321 E-14
3.25	1.8115576412 E-6	-2.3268941437 E-8	2.277276024 E-10	-1.7591861621 E-12	3.5577811745 E-14
3.50	3.2358606316 E-6	-4.8207214228 E-8	5.4729769525 E-10	-4.9024489524 E-12	1.0584067174 E-13
3.75	5.5420104020 E-6	-9.4788452250 E-8	1.2354283344 E-9	-1.2704253577 E-11	2.9286157473 E-13
4.00	9.1481116055 E-6	-1.7804383762 E-7	2.6404473122 E-9	-3.0894924270 E-11	7.6015526145 E-13
4.25	1.4615110335 E-5	-3.2115512180 E-7	5.3772478633 E-9	-7.1031670388 E-11	1.8638524601 E-12
4.50	2.2676158388 E-5	-5.5872226711 E-7	1.0488884021 E-8	-1.5534431864 E-10	4.3422635104 E-12
4.75	3.4266185568 E-5	-9.4086060039 E-7	1.9681736950 E-8	-3.2480236166 E-10	9.6590687959 E-12
5.00	5.0549770886 E-5	-1.5381642332 E-6	3.5656188294 E-8	-6.5203204251 E-10	2.0599740961 E-11
5.25	7.2945051914 E-5	-2.4475119157 E-6	6.2556407149 E-8	-1.2612609112 E-9	4.2269349752 E-11
5.50	1.0314121914 E-4	-3.7986123842 E-6	1.0656228370 E-7	-2.3580744347 E-9	8.3703396790 E-11
5.75	1.4310717496 E-4	-5.7611016316 E-6	1.7664807324 E-7	-4.2723899106 E-9	1.6030239627 E-10
6.00	1.9508923924 E-4	-8.551905506 E-6	2.8551302009 E-7	-7.5186160250 E-9	2.9803446319 E-10
6.25	2.6159636459 E-4	-1.2442488998 E-5	4.5070900858 E-7	-1.2877393834 E-8	5.3821496770 E-10
6.50	3.4537215043 E-4	-1.7765659790 E-5	6.9594445609 E-7	-2.1503537393 E-8	9.4626288267 E-10
6.75	4.4935393556 E-4	-2.4921319442 E-5	1.0525589972 E-6	-3.506464452 E-8	1.6223423114 E-9
7.00	5.7662028796 E-4	-3.4380903986 E-5	1.5611361710 E-6	-5.5914538044 E-8	2.7163760024 E-9
7.25	7.3032916338 E-4	-4.6690038956 E-5	2.2732126904 E-6	-8.7304697821 E-8	4.4477561573 E-9
7.50	9.1364974354 E-4	-6.2446916474 E-5	3.2530318096 E-6	-1.3363592556 E-7	7.1307678289 E-9
7.75	1.1296913903 E-3	-8.2411966277 E-5	4.5792808890 E-6	-2.007508261 E-7	1.206674357 E-8
8.00	1.3814332315 E-3	-1.0728157333 E-4	6.3467496323 E-6	-2.9626649545 E-7	1.7283387345 E-8
8.25	1.6716576292 E-3	-1.3790462229 E-4	8.6678457405 E-6	-4.2994401871 E-7	2.6183572554 E-8
8.50	2.0028902554 E-3	-1.7516337464 E-4	1.1673908521 E-5	-6.140917388 E-7	3.9001925831 E-8
8.75	2.3773488047 E-3	-2.1998616968 E-4	1.5516267637 E-5	-8.6399513680 E-7	5.7172201430 E-8
9.00	2.7969016216 E-3	-2.7333654036 E-4	2.0367002842 E-5	-1.1943666305 E-6	8.2544346283 E-8
9.25	3.2630368105 E-3	-3.3620134724 E-4	2.6419370461 E-5	-1.6398066430 E-6	1.1747191388 E-7
9.50	3.7768417876 E-3	-4.0957828830 E-4	3.388782876 E-5	-2.215262733 E-6	1.6490959643 E-7
9.75	4.3389927674 E-3	-4.9446312878 E-4	4.3007957861 E-5	-2.9565014829 E-6	2.2652048454 E-7
10.00	4.9497533512 E-3	-5.9183697009 E-4	5.4035344970 E-5	-3.9005082156 E-6	

TABLE 36b - Prolate Coefficients  $d_r^{14}$

C	r=21	r=23	r=25	r=27	r=29
0.25					
0.50					
0.75					
1.00	-2.1201647270 E-28	1.5456284854 E-29	-7.3403449382 E-31	1.1074789893 E-30	-6.0975000010 E-31
1.25	-3.7471935857 E-26	1.3344820451 E-27	-4.0298821977 E-29	2.7098317275 E-29	-9.3520421239 E-30
1.50	-2.0706195659 E-24	5.0878274169 E-26	-1.1893556042 E-27	4.5397378667 E-28	
1.75	-5.4823244094 E-23	1.032243976 E-24	-2.2281281541 E-26	5.6399358189 E-27	
2.00	-8.7339549806 E-22	1.5823971993 E-23	-2.9493655015 E-25		
2.25	-9.5914708332 E-21	1.6550251969 E-22	-2.9679814082 E-24		
2.50	-5.2334548753 E-19	1.3490464405 E-21			
2.75		8.986462346 E-21	-2.3922375619 E-23	5.5004682437 E-26	-1.1036074030 E-28
3.00	-1.3648934281 E-17	5.0663421408 E-20	-1.6050419495 E-22	4.3919493201 E-25	-1.0486918790 E-27
3.25	-5.6985262729 E-16	2.4824664784 E-19	-9.2229960955 E-22	2.9641154282 E-25	-8.3063424531 E-27
3.50	-2.1360637206 E-16	1.0792144911 E-18	-4.6536750718 E-21	1.7332551374 E-23	-5.6331066369 E-26
3.75	-7.2949411559 E-16	4.2310445615 E-18	-2.0944344536 E-20	8.9549495457 E-23	-3.3410106369 E-25
4.00	-2.2966749703 E-15	1.5156213482 E-17	-8.5363751124 E-20	4.1527157616 E-22	-1.7628215294 E-24
4.25	-6.7299192768 E-15	5.0138158917 E-17	-3.1879860189 E-19	1.7508094138 E-21	-8.3903033727 E-24
4.50	-1.8500343760 E-14	1.5452389646 E-16	-1.1015359568 E-18	6.7822610498 E-21	-3.6438914461 E-23
4.75	-4.8024166235 E-14	4.4693827429 E-16	-3.5499321907 E-18	2.4353630093 E-20	-1.4578183734 E-22
5.00	-1.1837032107 E-13	1.2206496769 E-15	-1.0742907110 E-17	8.1662417504 E-20	-5.4167094453 E-22
5.25		3.1643586158 E-15	-3.0704161382 E-17	2.5732219794 E-19	-1.8817825087 E-21
5.50	-2.7832671148 E-13	7.8209901087 E-15	-8.3286988412 E-17	7.6605593820 E-19	-6.14483095291 E-21
5.75	-6.2679553959 E-13	1.8500412022 E-14	-2.1532639458 E-16	2.1646181844 E-18	-1.8987933868 E-20
6.00	-2.8301183637 E-12	4.2023045078 E-14	-5.325390889 E-16	5.8288757617 E-18	-5.5671344609 E-20
6.25	-5.7060565790 E-12	9.1927123748 E-14	-1.2639643449 E-15	1.5010608521 E-17	-1.5555289011 E-19
6.50	-1.1143921492 E-11	1.9416175746 E-13	-2.8872068359 E-15	3.7082491869 E-17	-4.1560445172 E-19
6.75	-2.1125143232 E-11	3.9686182057 E-13	-6.3631914584 E-15	8.8123951123 E-17	-1.0449735167 E-18
7.00	-3.8942095927 E-11	7.8661078553 E-13	-1.3561470134 E-14	2.0195087372 E-16	-2.6243277887 E-18
7.25	-6.9922961262 E-11	1.5147096936 E-12	-2.8006495444 E-14	4.4729247602 E-16	-6.2340089497 E-18
7.50	-1.2247868613 E-10	2.8384421111 E-12	-5.6148262107 E-14	9.5942334858 E-16	-1.4306691677 E-17
7.75		5.1842166208 E-12	-1.0946534486 E-13	1.9966648335 E-15	-3.1783606016 E-17
8.00	-2.0957872289 E-10	9.2418282998 E-12	-2.0785408110 E-13	4.0384514724 E-15	-6.8479077027 E-17
8.25	-3.5078393299 E-10	1.6101943394 E-11	-3.8495516148 E-13	7.5510010142 E-15	-1.8433105973 E-16
8.50	-5.7498714605 E-10	2.7452291492 E-11	-6.9632984733 E-13	1.5240159513 E-14	-2.9189934975 E-16
8.75	-9.2403337785 E-10	4.5851936359 E-11	-1.2317345576 E-12	2.8990114283 E-14	-5.7925653661 E-16
9.00	-1.4574114871 E-9	7.5107350591 E-11	-2.133166638 E-12	5.2353058549 E-14	-1.1216184662 E-15
9.25	-2.2582258877 E-9	1.2077876839 E-10	-3.6208771326 E-12	9.3810518512 E-14	-2.121817486 E-15
9.50	-3.4406696106 E-9	1.9085032959 E-10	-6.0301765952 E-12	1.6467414838 E-13	-3.9262297787 E-15
9.75	-5.1592273676 E-9	2.966021776 E-10	-9.8626072935 E-12	2.8347482114 E-13	-7.1142932297 E-15
10.00	-7.6198382404 E-9	4.5373216753 E-10	-1.5855917465 E-11	4.7900641531 E-13	-1.2656560237 E-14
	-1.1093241355 E-8				

TABLE 37 - Prolate Coefficients  $d_{l,1}^5$

C	r = 0	r = 2	r = 4	r = 6	r = 8
0.25	8.0487664955 E -7	1.0523797894 E -3	1.0002528287 E 0	-5.0442372041 E -4	1.1539002240 E -7
0.50	1.2860242650 E -5	4.2117927598 E -3	1.0010044951 E 0	-2.0191319674 E -3	1.8475082608 E -6
0.75	6.4954279181 E -5	9.4848997977 E -3	1.0022345226 E 0	-4.5483842969 E -3	9.3636376891 E -6
1.00	2.0461651279 E -4	1.6882265682 E -2	1.0039087272 E 0	-8.0991075506 E -3	2.9640270971 E -5
1.25	4.9742769395 E -4	2.6417541400 E -2	1.0059791325 E 0	-1.2680636850 E -2	7.2508100093 E -5
1.50	1.0260261050 E -3	3.8106229445 E -2	1.0083838485 E 0	-1.8304351875 E -2	1.5071191333 E -4
1.75	1.8887837355 E -3	5.1964463218 E -2	1.0110469174 E 0	-2.4983206479 E -2	2.7998228594 E -4
2.00	3.1981196731 E -3	6.8006406588 E -2	1.0138781259 E 0	-3.2731147975 E -2	4.7911498638 E -4
2.25	5.0784133966 E -3	8.6242517881 E -2	1.0167727947 E 0	-4.1562419932 E -2	7.7005295435 E -4
2.50	7.6634782163 E -3	1.0667637394 E -1	1.0196115587 E 0	-5.1490739050 E -2	1.1779643556 E -3
2.75	1.1093556087 E -2	1.2930139905 E -1	1.0222601685 E 0	-6.2528332862 E -2	1.7313086967 E -3
3.00	1.5511801197 E -2	1.5409704148 E -1	1.0245693598 E 0	-7.4684821254 E -2	2.4618607285 E -3
3.25	2.1060233389 E -2	1.8102449159 E -1	1.0263748635 E 0	-8.7965921956 E -2	3.4048192491 E -3
3.50	2.7875166422 E -2	2.1002201747 E -1	1.0274976590 E 0	-1.0237195985 E -1	4.5985644517 E -3
3.75	3.6082152940 E -2	2.4100005856 E -1	1.0277446067 E 0	-1.1789616400 E -1	6.0847434373 E -3
4.00	4.5790539813 E -2	2.7383629931 E -1	1.0269096293 E 0	-1.3452274678 E -1	7.9079591280 E -3
4.25	5.7087794058 E -2	3.0837103827 E -1	1.0247756341 E 0	-1.5222477894 E -1	1.0115453665 E -2
4.50	7.0033837444 E -2	3.4440326251 E -1	1.0211173786 E 0	-1.7096190319 E -1	1.2756614390 E -2
4.75	8.4655709247 E -2	3.8168791745 E -1	1.0157054572 E 0	-1.9067796774 E -1	1.5882289928 E -2
5.00	1.0094294845 E -1	4.1993490504 E -1	1.0083115360 E 0	-2.1129870708 E -1	1.9543887237 E -2
5.25	1.1884413245 E -1	4.5881032809 E -1	9.9871485779 E -1	-2.3272964430 E -1	2.3792229035 E -2
5.50	1.3826501087 E -1	4.9794040458 E -1	9.8670990455 E -1	-2.5485443063 E -1	2.8676165791 E -2
5.75	1.5906861659 E -1	5.3691829657 E -1	9.7211493872 E -1	-2.7753386270 E -1	3.4240957461 E -2
6.00	1.8107761441 E -1	5.7531384040 E -1	9.5478096755 E -1	-3.0060581748 E -1	4.0524866261 E -2
6.25	2.0407896822 E -1	6.1268585655 E -1	9.3460052721 E -1	-3.2388631213 E -1	4.7565230452 E -2
6.50	2.2783078891 E -1	6.4859640014 E -1	9.1151558157 E -1	-3.4717182855 E -1	5.5380516842 E -2
6.75	2.5207099802 E -1	6.8262603896 E -1	8.852380975 E -1	-3.7024294447 E -1	6.3984472194 E -2
7.00	2.7652724246 E -1	7.1438906260 E -1	8.5668262234 E -1	-3.9286919486 E -1	7.3376506791 E -2
7.25	3.0092735432 E -1	7.4354746850 E -1	8.2511042903 E -1	-4.1481496317 E -1	8.3542043770 E -2
7.50	3.2500959080 E -1	7.6982265177 E -1	7.9098482704 E -1	-4.3584608949 E -1	9.4451753706 E -2
7.75	3.4853192022 E -1	7.9300394489 E -1	7.5453782099 E -1	-4.5573679636 E -1	1.0404134544 E -1
8.00	3.7127973366 E -1	8.1295338000 E -1	7.1604825327 E -1	-4.7427648736 E -1	1.1631210364 E -1
8.25	3.9307153960 E -1	8.2960668568 E -1	6.7583203900 E -1	-4.9127597331 E -1	1.3113175513 E -1
8.50	4.1376241212 E -1	8.4297033233 E -1	6.3423090035 E -1	-5.0657272853 E -1	1.4443631546 E -1
8.75	4.3324518316 E -1	8.5311545942 E -1	5.9160041901 E -1	-5.2003486728 E -1	1.5813212020 E -1
9.00	4.5144956599 E -1	8.6016919739 E -1	5.4829823074 E -1	-5.3156364787 E -1	1.7211832877 E -1
9.25	4.6833955085 E -1	8.6430431514 E -1	5.0467310734 E -1	-5.4109444202 E -1	1.8628960562 E -1
9.50	4.8390950996 E -1	8.6572807648 E -1	4.6105522262 E -1	-5.4859623457 E -1	2.0053388377 E -1
9.75	4.9817948560 E -1	8.6467113370 E -1	4.1775010639 E -1	-5.5406982704 E -1	2.1475973748 E -1
10.00	5.1119011646 E -1	8.6137714848 E -1	3.7503018257 E -1	-5.5754499722 E -1	2.2884920449 E -1

TABLE 37e - Protons Coefficients  $d_{15}$

C	r=10	r=12	r=14	r=16	r=18
0.25	-1.5948325365 E-11	1.5054131190 E-15	-1.0414148881 E-19	5.5326093869 E-24	-2.334938155 E-28
0.50	-1.0213758363 E-9	3.8563870700 E-13	-1.0671004028 E-16	2.2676047773 E-20	-3.8272549680 E-24
0.75	-1.164701011 E-8	9.8942588533 E-12	-6.1600432861 E-15	2.9452562551 E-18	-1.104423632 E-21
1.00	-6.5541246796 E-8	9.8980548345 E-11	-1.0955172329 E-13	9.3117042493 E-17	-6.2843619834 E-20
1.25	-2.505088825 E-7	5.9110672186 E-10	-1.02222224420 E-12	1.3575868705 E-15	-1.4320277902 E-18
1.50	-7.4977661851 E-7	2.5475623942 E-9	-6.3439085312 E-11	1.2132026803 E-14	-1.8427775319 E-17
1.75	-1.8958220341 E-6	8.774556103 E-9	-2.7715987242 E-11	7.7348613095 E-14	-1.5991131521 E-16
2.00	-4.2372778845 E-6	2.5594115871 E-8	-1.1330101912 E-10	3.8518903215 E-13	-1.0401094777 E-15
2.25	-8.6194579944 E-6	6.5892731170 E-8	-3.6917581780 E-10	1.5884546672 E-12	-5.4285205320 E-15
2.50	-1.6279032168 E-5	1.5364165353 E-7	-1.0627281752 E-9	5.6451960101 E-12	-2.3617707993 E-14
2.75	-2.8953284199 E-5	3.3066080047 E-7	-2.7675224144 E-9	1.7788477734 E-11	-9.0813044493 E-14
3.00	-4.9004190533 E-5	6.6608324319 E-7	-6.6348820198 E-9	5.0753966057 E-11	-3.0834467139 E-13
3.25	-7.9557215178 E-5	1.2692570462 E-6	-1.4839148566 E-8	1.3322632878 E-10	-9.4999868098 E-13
3.50	-1.2465417222 E-4	2.3068378435 E-6	-3.1281658682 E-8	3.2573908660 E-10	-2.6939743719 E-12
3.75	-1.8941869047 E-4	4.0248890325 E-6	-6.2663196377 E-8	7.4913453148 E-10	-7.1127809003 E-12
4.00	-2.8023164797 E-4	6.7768315571 E-6	-1.2006593734 E-7	1.6333443797 E-9	-1.7646305150 E-11
4.25	-4.0491235881 E-4	1.1058058938 E-5	-2.2122101947 E-7	3.3978895613 E-9	-4.14446940125 E-11
4.50	-5.7289925578 E-4	1.7547929404 E-5	-3.9367524805 E-7	6.7803192344 E-9	-9.2734432057 E-11
4.75	-7.9542135083 E-4	2.71596134840 E-5	-6.1910719229 E-7	1.3034980040 E-8	-1.9867156994 E-10
5.00	-1.0856490067 E-3	4.1096093960 E-5	-1.1390745517 E-6	2.4232105723 E-8	-4.0931129244 E-10
5.25	-1.4588097840 E-3	6.0925497800 E-5	-1.8624948683 E-6	4.36946167770 E-8	-8.1391885349 E-10
5.50	-1.9322527432 E-3	8.8633436717 E-5	-2.9751624372 E-6	7.6632415159 E-8	-1.5669871147 E-9
5.75	-2.525431082 E-3	1.2671967095 E-4	-4.6515767878 E-6	1.3100092154 E-7	-2.9285790193 E-9
6.00	-3.2598691949 E-3	1.7826661621 E-4	-7.1292925299 E-6	2.1870723761 E-7	-5.3253702928 E-9
6.25	-4.1582455053 E-3	2.4701758466 E-4	-1.0725891996 E-5	3.5718651146 E-7	-9.4399161201 E-9
6.50	-5.2472002066 E-3	3.3744587106 E-4	-1.5858523665 E-5	5.7146194476 E-7	-1.6340669408 E-8
6.75	-6.5508419199 E-3	4.5481105022 E-4	-2.3045748828 E-5	8.9475701825 E-7	-2.7662016947 E-8
7.00	-8.0962094995 E-3	6.0519651201 E-4	-3.3031202953 E-5	1.3817313829 E-6	-4.5852889701 E-8
7.25	-9.9096185914 E-3	7.9552244194 E-4	-4.6608328144 E-5	2.0923937821 E-6	-7.4508899389 E-8
7.50	-1.2016529150 E-2	1.0335292502 E-3	-6.4845194869 E-5	3.1167171955 E-6	-1.1880717172 E-7
7.75	-1.4440767506 E-2	1.3272728782 E-3	-8.9008234918 E-5	4.5699473492 E-6	-1.8606278912 E-7
8.00	-1.7203743638 E-2	1.6873153921 E-3	-1.2060358699 E-4	6.6005536584 E-6	-2.8642527020 E-7
8.25	-2.0323707953 E-2	2.1220566359 E-3	-1.6139473223 E-4	9.3967272664 E-6	-4.3373162336 E-7
8.50	-2.3815091204 E-2	2.6421352044 E-3	-2.1341518823 E-4	1.3193287366 E-5	-6.4652927188 E-7
8.75	-2.7687966159 E-2	3.2579793133 E-3	-2.7897523113 E-4	1.8278819033 E-5	-9.4927765299 E-7
9.00	-3.1947660622 E-2	3.9800699835 E-3	-3.6066190869 E-4	2.5002837181 E-5	-1.3737317764 E-6
9.25	-3.65945539589 E-2	4.8187401057 E-3	-4.6133196105 E-4	3.3782754638 E-5	-1.9605048202 E-6
9.50	-4.1623961221 E-2	5.7839732683 E-3	-5.8409763496 E-4	4.5110428643 E-5	-2.7608003126 E-6
9.75	-4.7026398641 E-2	6.8952107436 E-3	-7.3230574263 E-4	5.9558068557 E-5	-3.8382979800 E-6
10.00	-5.2787708843 E-2	8.1311738597 E-3	-9.0951055272 E-4	7.7783306242 E-5	-5.2711711959 E-6

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TABLE 37b - Prolate Spheroidal Coefficients  $d_{l,1}^{1,5}$

C	r=20	r=22	r=24	r=26	r=28
0.25					
0.50	5.2635146460 E-28	-8.9042311641 E-29	6.1145780141 E-30	-2.7498280829 E-31	3.9837094842 E-31
0.75	3.4608981410 E-25	-1.5816884195 E-26	5.3133074344 E-28	-1.5218539413 E-29	9.8489194451 E-30
1.00	1.2308537721 E-21	-8.7963443397 E-25	2.0415465732 E-26	-4.5312876738 E-28	1.6691781962 E-28
1.25	2.2807871131 E-20	-2.3471410314 E-23	4.4671658126 E-25	-8.5771197606 E-27	2.1003419090 E-27
1.50	2.6938854810 E-19	-3.7733096461 E-22	6.473774567 E-24	-1.1485574108 E-25	
1.75	2.2885381826 E-18	-4.1867907880 E-21	6.8498299123 E-23	-1.1706476750 E-24	
2.00	1.5116886555 E-17	-3.5001568748 E-20	5.6550904285 E-22		
2.25	8.1883180842 E-17	-2.3406343819 E-19			
2.50					
2.75	3.7777238241 E-16	-1.3068388343 E-18	3.8198610092 E-21	-9.5679732776 E-24	2.0771568986 E-26
3.00	1.5266145212 E-15	-6.283997995 E-18	2.18632927912 E-20	-6.5171888209 E-23	1.6637931634 E-25
3.25	5.5197876715 E-15	-2.6666202724 E-17	1.0880396691 E-19	-3.8093000912 E-22	1.1550332554 E-24
3.50	1.8154244378 E-14	-1.0171822766 E-16	4.8170467770 E-19	-1.9545178154 E-21	6.8734158834 E-24
3.75	5.5026647296 E-14	-3.5394659969 E-16	1.9242455924 E-18	-8.9630836438 E-21	3.618484278 E-23
4.00	1.5533689616 E-13	-1.1368947778 E-15	7.0326585245 E-18	-3.7272600995 E-20	1.7121023149 E-22
4.25	4.1191634324 E-13	-3.4036314666 E-15	2.3769718453 E-17	-1.4222380977 E-19	7.3754286649 E-22
4.50	1.0333590823 E-12	-9.5734590089 E-15	7.495666297 E-17	-5.0286115201 E-19	2.9236901243 E-21
4.75	2.4669698216 E-12	-2.5467593811 E-14	2.220045854 E-16	-1.6609539601 E-18	1.0760400055 E-20
5.00	5.6324804394 E-12	-6.4435960915 E-14	6.2298893678 E-16	-5.1603704160 E-18	3.7045391308 E-20
5.25	1.2350373408 E-11	-1.5579247679 E-13	1.6608306607 E-15	-1.5168569707 E-17	1.2006335794 E-19
5.50	2.6100846840 E-11	-3.6140491114 E-13	4.2289612230 E-15	-4.2394025558 E-17	3.6831146945 E-19
5.75	5.3327122928 E-11	-8.0718056374 E-13	1.0324758201 E-14	-1.1313848292 E-16	1.0744168260 E-18
6.00	1.0560843687 E-10	-1.7408698735 E-12	2.4249677007 E-14	-2.8937167303 E-16	2.992469921 E-18
6.25	2.0318296758 E-10	-3.6349225772 E-12	5.494939581 E-14	-7.115770449 E-16	7.9854671590 E-18
6.50	3.8050835714 E-10	-7.3641745907 E-12	1.2042698874 E-13	-1.6869818183 E-15	2.0478722342 E-17
6.75	6.9481487749 E-10	-1.4504271549 E-11	2.5582662163 E-13	-3.8651829643 E-15	5.0604716298 E-17
7.00	1.2389378263 E-9	-2.7819512339 E-11	5.2778312867 E-13	-8.5767681169 E-15	1.2077560783 E-16
7.25	2.160109253 E-9	-5.203990551 E-11	1.0592204518 E-12	-1.846574155 E-14	2.7897466930 E-16
7.50	3.6868425409 E-9	-9.5068320230 E-11	2.0710477589 E-12	-3.8644088237 E-14	6.2480727434 E-16
7.75	6.1665091250 E-9	-1.6981108670 E-10	3.9504873796 E-12	-7.8716077820 E-14	1.3590601764 E-15
8.00	1.0116739595 E-8	-2.9689020181 E-10	7.3603005293 E-12	-1.562385598 E-13	2.8753364345 E-15
8.25	1.6294207693 E-8	-5.082766323 E-10	1.34059282270 E-11	-3.028093216 E-13	5.9249408193 E-15
8.50	2.574807957 E-8	-8.5434178749 E-10	2.3912386414 E-11	-5.7321807332 E-13	1.1905955421 E-14
8.75	4.0119537959 E-8	-1.4083050971 E-9	4.1779016485 E-11	-1.0612564437 E-12	2.3357609371 E-14
9.00	6.1420592033 E-8	-2.2813810013 E-9	7.1580464789 E-11	-1.9235135227 E-12	4.4785920364 E-14
9.25	9.2582209016 E-8	-3.320787133 E-9	1.2036422544 E-10	-3.4162041074 E-12	8.4011743937 E-14
9.50	1.3749068166 E-7	-5.6882786392 E-9	1.9879588546 E-10	-5.9503672872 E-12	1.5432483333 E-13
9.75	2.0128762131 E-7	-8.7694293066 E-9	3.2274037562 E-10	-1.0173122437 E-11	2.7785591811 E-13
10.00	2.9068007768 E-7	-1.3317156897 E-8	5.1540522448 E-10	-1.7085118595 E-11	4.9075349935 E-13



TABLE 38 - Prolate Coefficients  $d_{1,6}$

C	r = 1	r = 3	r = 5	r = 7	r = 9
0.25	4.5971894456 E -7	8.3420438572 E -4	9.9980345413 E -1	-4.4862626941 E -4	9.1914398724 E -8
0.50	7.3481139255 E -6	3.3345512538 E -3	9.9921063955 E -1	-1.7934036666 E -3	1.4697063564 E -6
0.75	3.7137264602 E -5	7.4942089943 E -3	9.9931203674 E -1	-4.0310184857 E -3	7.4325955016 E -6
1.00	1.1709384904 E -4	1.3301682161 E -2	9.9679161841 E -1	-7.1559161432 E -3	2.3456213159 E -5
1.25	2.8499430109 E -4	2.0740446321 E -2	9.9492790869 E -1	-1.1160233001 E -2	5.7158067038 E -5
1.50	5.887168017 E -4	2.9789714794 E -2	9.9239826882 E -1	-1.6033827839 E -2	1.1824930401 E -4
1.75	1.0857010747 E -3	4.0422135188 E -2	9.8975001205 E -1	-2.1763991983 E -2	2.1847283483 E -4
2.00	1.8422647304 E -3	5.2605412968 E -2	9.8636155070 E -1	-2.8335536950 E -2	3.7152783645 E -4
2.25	2.9327627795 E -3	6.6300858645 E -2	9.8238077952 E -1	-3.5730558354 E -2	5.9290055438 E -4
2.50	4.4385753242 E -3	8.1463054566 E -2	9.7775629933 E -1	-4.3928294752 E -2	9.0016118054 E -4
2.75	6.4469070216 E -3	9.8039236951 E -2	9.7243148630 E -1	-5.2904940049 E -2	1.3120463743 E -3
3.00	9.0493811708 E -3	1.1596858883 E -1	9.6634481257 E -1	-6.2633428016 E -2	1.8491267150 E -3
3.25	1.2340411229 E -2	1.3518144045 E -1	9.5943022615 E -1	-7.3083187356 E -2	2.5332580059 E -3
3.50	1.6415333597 E -2	1.5559837588 E -1	9.5161759975 E -1	-8.421985621 E -2	3.3874948799 E -3
3.75	2.136828911 E -2	1.7712924875 E -1	9.4283326225 E -1	-9.6005020224 E -2	4.425904526 E -3
4.00	2.728981526 E -2	1.9967211726 E -1	9.330063053 E -1	-1.0839577492 E -1	5.7033578193 E -3
4.25	3.4264325288 E -2	2.2311211933 E -1	9.2204076605 E -1	-1.213444075 E -1	7.215293477 E -3
4.50	4.2366983207 E -2	2.4732032482 E -1	9.0987428680 E -1	-1.3479810182 E -1	8.9974512973 E -3
4.75	5.1660818532 E -2	2.7215242245 E -1	8.9642047324 E -1	-1.4869816930 E -1	1.1075567508 E -2
5.00	6.2193334365 E -2	2.9744872578 E -1	8.8160061240 E -1	-1.6297991140 E -1	1.3475025671 E -2
5.25	7.3993169167 E -2	3.2303141327 E -1	8.6533862851 E -1	-1.7757197449 E -1	1.6220454751 E -2
5.50	8.7066779534 E -2	3.4870614950 E -1	8.4756324577 E -1	-1.923992014 E -1	1.935267558 E -2
5.75	1.0139533355 E -1	3.7426126397 E -1	8.2821031906 E -1	-2.0736581526 E -1	2.2841127916 E -2
6.00	1.1693202541 E -1	3.994688327 E -1	8.0722594650 E -1	-2.223872687 E -1	2.6757348391 E -2
6.25	1.336005840 E -1	4.2408681388 E -1	7.8456754318 E -1	-2.3738058754 E -1	3.1100210732 E -2
6.50	1.5129156454 E -1	4.4786154850 E -1	7.6021120725 E -1	-2.5217430973 E -1	3.5882218941 E -2
6.75	1.6986772372 E -1	4.7053251095 E -1	7.3415125090 E -1	-2.6671223433 E -1	4.1111298414 E -2
7.00	1.8916030604 E -1	4.9183756210 E -1	7.0640570545 E -1	-2.808509650 E -1	4.6789966477 E -2
7.25	2.0857478166 E -1	5.1151966483 E -1	6.7701915057 E -1	-2.9446207806 E -1	5.2914512319 E -2
7.50	2.2909502546 E -1	5.29333446248 E -1	6.4606537518 E -1	-3.0741368792 E -1	5.9474234169 E -2
7.75	2.4928949840 E -1	5.4505838064 E -1	6.1364916180 E -1	-3.1957317155 E -1	6.6450791396 E -2
8.00	2.6931863186 E -1	5.5849674115 E -1	5.7990690724 E -1	-3.308099960 E -1	7.3617733101 E -2
8.25	2.8894299714 E -1	5.694930180 E -1	5.4500585334 E -1	-3.4099833081 E -1	8.1540263398 E -2
8.50	3.0793173446 E -1	5.7792662444 E -1	5.0914179993 E -1	-3.500229262 E -1	8.9575294276 E -2
8.75	3.2407046257 E -1	5.8373473492 E -1	4.725359711 E -1	-3.577778135 E -1	9.7871824323 E -2
9.00	3.4316950234 E -1	5.8689766684 E -1	4.3542645131 E -1	-3.6417476081 E -1	1.0637165869 E -1
9.25	3.5906722495 E -1	5.8744766121 E -1	3.9806861010 E -1	-3.6914403642 E -1	1.1501043567 E -1
9.50	3.7363666634 E -1	5.8546500188 E -1	3.6072129756 E -1	-3.7263570484 E -1	1.2371900530 E -1
9.75	3.8679171567 E -1	5.8107367329 E -1	3.2364284084 E -1	-3.7462223218 E -1	1.3242494016 E -1
10.00	3.9847256261 E -1	5.7443520764 E -1	2.8708315126 E -1	-3.7509919492 E -1	1.4105437813 E -1

TABLE 36a - Prolete Coefficients  $d_{16}$

C	r=11	r=13	r=15	r=17	r=19
0.25	-1.1476321257 E-11	9.8671808532 E-16	-6.2633108939 E-20	3.0729035806 E-24	-1.2041936724 E-28
0.50	-7.3401540363 E-10	2.5243650643 E-13	-6.4094446507 E-17	1.2578337931 E-20	-1.9716460162 E-24
0.75	-8.3520036390 E-9	6.4627134568 E-12	-3.6919986269 E-15	1.6302101651 E-18	-5.7494669659 E-22
1.00	-4.6857285528 E-8	6.4457317737 E-11	-6.5462275197 E-14	5.1386187564 E-17	-3.2218541657 E-20
1.25	-1.7840547368 E-7	3.8345657246 E-10	-6.0848415429 E-13	7.4631097960 E-16	-7.3113120739 E-19
1.50	-5.3147713705 E-6	1.6449339616 E-9	-3.7587060818 E-12	6.6384480234 E-15	-9.3648448557 E-18
1.75	-1.3365135575 E-6	5.6302274504 E-9	-1.7510748416 E-11	4.2094206584 E-14	-8.0825089162 E-17
2.00	-2.9686117297 E-6	1.6333835182 E-8	-6.6351093387 E-11	2.0832754585 E-13	-5.2245083047 E-16
2.25	-5.9967833697 E-6	4.1760082520 E-8	-2.1469733940 E-10	8.5315818758 E-13	-2.7079361811 E-15
2.50	-1.1239207229 E-5	9.6628128984 E-8	-6.1332208773 E-10	3.0089072743 E-12	-1.1790541143 E-14
2.75	-1.9823830090 E-5	2.0623368313 E-7	-1.5839466520 E-9	9.402693173 E-12	-4.4582766323 E-14
3.00	-3.325359842 E-5	4.1173492692 E-7	-3.7635153853 E-9	2.6508539907 E-11	-1.5003554022 E-13
3.25	-5.3475520705 E-5	7.7714459209 E-7	-8.373684274 E-9	6.9130889283 E-11	-4.5783501152 E-13
3.50	-8.2952266573 E-5	1.3983193080 E-6	-1.7399657996 E-8	1.6733206026 E-10	-1.2852991425 E-12
3.75	-1.2473809115 E-4	2.4424403814 E-6	-3.4489899092 E-8	3.8079560255 E-10	-3.3579111326 E-12
4.00	-1.8254951555 E-4	4.0208756841 E-6	-6.5366453173 E-8	8.2121735244 E-10	-8.2399893603 E-12
4.25	-2.6084338365 E-4	6.4878981133 E-6	-1.1909087703 E-7	1.6892638107 E-9	-1.9136693460 E-11
4.50	-3.6488662547 E-4	1.0178508771 E-5	-2.0951117250 E-7	3.3323067284 E-9	-4.2326752697 E-11
4.75	-5.0082406717 E-4	1.5372567641 E-5	-3.5724660532 E-7	6.3322056821 E-9	-8.9629742442 E-11
5.00	-6.7573891303 E-4	2.3293164246 E-5	-5.9229121001 E-7	1.1635331792 E-8	-1.6251829824 E-10
5.25	-8.9770307232 E-4	3.4136656640 E-5	-9.5736625692 E-7	2.0740650813 E-8	-3.5877338825 E-10
5.50	-1.1758133154 E-3	4.9106058490 E-5	-1.5121621996 E-6	3.5965940375 E-8	-6.8297152828 E-10
5.75	-1.5202083522 E-3	6.9447449556 E-5	-2.386156668 E-6	6.0817049274 E-8	-1.2626102668 E-9
6.00	-1.9420610067 E-3	9.688814622 E-5	-3.5473639099 E-6	1.0049036640 E-7	-2.2723457575 E-9
6.25	-2.4535388435 E-3	1.3688037435 E-4	-5.2855040775 E-6	1.6254407053 E-7	-3.9896534259 E-9
6.50	-3.0677260671 E-3	1.7963506176 E-4	-7.7457336310 E-6	2.5777882780 E-7	-6.8462404944 E-9
6.75	-3.7984994919 E-3	2.4016733600 E-4	-1.1177057028 E-5	4.013774359 E-7	-1.1500732800 E-8
7.00	-4.6603521127 E-3	3.1732804458 E-4	-1.589609203 E-5	6.1431771417 E-7	-1.8939499821 E-8
7.25	-5.6681595042 E-3	4.1463259596 E-4	-2.2303168881 E-5	9.2520368265 E-7	-3.0613911374 E-8
7.50	-6.8368870691 E-3	5.3607935614 E-4	-3.0891395793 E-5	1.3723943034 E-6	-4.6623739142 E-8
7.75	-8.1812400258 E-3	6.8615501093 E-4	-4.2266860633 E-5	2.0066234959 E-6	-7.5957687037 E-8
8.00	-9.7152627749 E-3	8.6982371854 E-4	-5.7161116820 E-5	2.8940369774 E-6	-1.1480297995 E-7
8.25	-1.1451899520 E-2	1.0924972750 E-3	-7.6446214124 E-5	4.1196701375 E-6	-1.7693635878 E-7
8.50	-1.3402533196 E-2	1.3599842624 E-3	-1.0114781348 E-4	5.7913368288 E-6	-2.6420851455 E-7
8.75	-1.5576524217 E-2	1.6784172342 E-3	-1.3245602695 E-4	8.0438683633 E-6	-3.8913276613 E-7
9.00	-1.7980773633 E-2	2.0541583591 E-3	-1.7173308494 E-4	1.1043610777 E-5	-5.6558652500 E-7
9.25	-2.0619336447 E-2	2.4936854816 E-3	-2.2051698593 E-4	1.4993056515 E-5	-8.1163077239 E-7
9.50	-2.3493109671 E-2	3.0034621117 E-3	-2.8055042121 E-4	2.013545125 E-5	-1.1504484950 E-6
9.75	-2.6599616121 E-2	3.5897962599 E-3	-3.5362447822 E-4	2.6759249558 E-5	-1.6113980076 E-6
10.00	-2.9932899229 E-2	4.2586940989 E-3	-4.4186489566 E-4	3.5202142942 E-5	-2.2311716649 E-6

TABLE 31b - Proton Coefficients  $d_i^{16}$

C	r=21	r=23	r=25	r=27	r=29
0.25	2.5307313438 E-28	-4.0045286856 E-29	2.5799641217 E-30	-6.0106267803 E-30	3.4427251158 E-30
0.50	1.6604524905 E-25	-7.0921472571 E-27	2.2333386615 E-28	-1.7804870473 E-28	6.1510115854 E-29
0.75	1.6541610582 E-23	-3.9291724716 E-25	8.5415809143 E-27	-3.3493375841 E-27	7.4540048775 E-28
1.00	5.8652153897 E-22	-1.0435778592 E-23	1.8589004908 E-25	-4.4541343359 E-26	
1.25	1.0818030794 E-20	-1.668975953 E-22	2.6773584642 E-24	-4.5052479030 E-25	
1.50	1.2708204360 E-19	-1.8400097724 E-21	2.8132249565 E-23		
2.00	1.0729292334 E-18	-1.5276163354 E-20	2.3048629205 E-22		
2.25	7.0381986885 E-18	-1.0137715041 E-19			
2.50	3.7833128264 E-17				
2.75	1.7309866439 E-16	-5.6124036253 E-19	1.5439766399 E-21	-3.6517476252 E-24	7.5087984149 E-27
3.00	6.9327235461 E-16	-2.6751037445 E-18	8.7581633551 E-21	-2.44552045303 E-23	4.0325651722 E-26
3.25	2.4828622163 E-15	-1.124400498 E-17	4.3203974035 E-20	-1.4272258554 E-22	4.0989256317 E-25
3.50	8.0840965880 E-15	-4.2460054082 E-17	1.8921761180 E-19	-7.2494886925 E-22	2.4144840904 E-24
3.75	2.4246142113 E-14	-1.4619541103 E-16	7.4791777931 E-19	-3.2895508855 E-21	1.2578383610 E-23
4.00	6.7699207300 E-14	-4.6446481341 E-16	2.7036299266 E-18	-1.550114279 E-20	5.8865249952 E-23
4.25	1.7750678911 E-13	-1.3748920646 E-15	9.0353002118 E-18	-5.1047297476 E-20	2.5072834570 E-22
4.50	4.4020157650 E-13	-3.8228345720 E-15	2.81646557345 E-17	-1.7841597843 E-19	9.8249611582 E-21
4.75	1.0387271290 E-12	-1.0051665340 E-14	8.2324262130 E-17	-5.8246731090 E-19	3.5739988338 E-21
5.00	2.3440616211 E-12	-2.5136620167 E-14	2.2868787882 E-16	-1.7886245621 E-18	1.2161388975 E-20
5.25	5.0808084976 E-12	-6.0076773064 E-14	6.0265471783 E-16	-5.1971188719 E-18	3.8941780241 E-20
5.50	1.0617079973 E-11	-1.3780100923 E-13	1.5173159837 E-15	-1.4342263570 E-17	1.1818026200 E-19
5.75	2.1457429009 E-11	-3.0444728365 E-13	3.6844535094 E-15	-3.7915721654 E-17	3.4103327229 E-19
6.00	4.2058930089 E-11	-6.4990032743 E-13	8.5188799076 E-15	-9.5988589804 E-17	9.4018882794 E-19
6.25	8.0149097449 E-11	-1.3441348639 E-12	1.9121274809 E-14	-2.3381864941 E-16	2.4853625049 E-18
6.50	1.4880521228 E-10	-2.6998408526 E-12	4.1549765765 E-14	-5.4963294641 E-16	4.319955237 E-18
6.75	2.6966332755 E-10	-5.2776770532 E-12	8.7609811359 E-14	-1.2500299375 E-15	1.5502895924 E-17
7.00	4.7776722589 E-10	-1.0059039640 E-11	1.7962316468 E-13	-2.7588200402 E-15	3.6776109813 E-17
7.25	8.2874761571 E-10	-1.8723333285 E-11	3.5874383405 E-13	-5.9075455887 E-15	8.4552508981 E-17
7.50	1.4092426784 E-9	-3.4083419580 E-11	6.9905907774 E-13	-1.2322129882 E-14	1.8877257711 E-16
7.75	2.3517323569 E-9	-6.0755299390 E-11	1.3309602366 E-12	-2.5056808969 E-14	4.0994929624 E-16
8.00	3.8552555623 E-9	-1.0616725336 E-10	2.4790340408 E-12	-4.9742975490 E-14	8.6741878097 E-16
8.25	6.2138010342 E-9	-1.8205055506 E-10	4.5222007577 E-12	-9.6525440502 E-14	1.7904545413 E-16
8.50	9.8544916939 E-9	-3.0659909146 E-10	8.0872045888 E-12	-1.8328895887 E-13	3.6098244678 E-15
8.75	1.5387995351 E-8	-5.0753884507 E-10	1.4191055185 E-11	-3.4091510791 E-13	7.1165820240 E-15
9.00	2.3673862922 E-8	-8.2640980553 E-10	2.4453831599 E-11	-6.2167068753 E-13	1.3732490385 E-14
9.25	3.5903687631 E-8	-1.3244301688 E-9	4.1410586776 E-11	-1.1123254047 E-12	2.5960310155 E-14
9.50	5.370504967 E-8	-3.0903857882 E-9	6.8960078651 E-11	-1.9542672755 E-12	4.0118315654 E-14
9.75	7.926288460 E-8	-3.2510595460 E-9	1.1299879651 E-11	-3.3737489167 E-12	8.7514627963 E-14
10.00	1.1550552495 E-7	-4.9847870892 E-9	1.8230126222 E-10	-5.7266991411 E-12	1.5428869203 E-13

TABLE 39 - Prolate Spheroidal Coefficients  $d_{1,1}$

C	r = 0	r = 2	r = 4	r = 6	r = 8
0.25	1.1788609313 E -10	2.9717378242 E -7	6.9042014413 E -4	1.0001312797 E 0	-4.0374444933 E -4
0.50	7.5389487733 E -9	4.7559879075 E -6	2.7626931227 E -3	1.0005457104 E 0	-1.6156179749 E -3
0.75	8.5763651593 E -8	2.4087240611 E -5	6.2198151867 E -3	1.0012150570 E 0	-3.6375219227 E -3
1.00	4.8100992135 E -7	7.6171149464 E -5	1.1066641962 E -2	1.0021282513 E 0	-6.4725611832 E -3
1.25	1.8306332428 E -6	1.8609770697 E -4	1.7309480681 E -2	1.0032612479 E 0	-1.0124947943 E -2
1.50	5.4505340191 E -6	3.8621717515 E -4	2.4956198150 E -2	1.0045831655 E 0	-1.4599866506 E -2
1.75	1.3697010806 E -5	7.1619459278 E -4	3.4016843323 E -2	1.0060560153 E 0	-1.9903298741 E -2
2.00	3.0396995017 E -5	1.2230602451 E -3	4.4499183031 E -2	1.0076347191 E 0	-2.6041809437 E -2
2.25	6.1338917568 E -5	1.9612459948 E -3	5.6413149145 E -2	1.0092670023 E 0	-3.3022292294 E -2
2.50	1.1481458250 E -4	2.9925951691 E -3	6.9767395155 E -2	1.0108933052 E 0	-4.0851671620 E -2
2.75	2.0220033355 E -4	4.3863313260 E -3	8.4569159874 E -2	1.0124466983 E 0	-4.9536565894 E -2
3.00	3.3856347939 E -4	6.2189686549 E -3	1.0082341571 E -1	1.0138528078 E 0	-5.9082905291 E -2
3.25	5.432738183 E -4	8.5741440066 E -3	1.1853203868 E -1	1.015027598 E 0	-6.9495506377 E -2
3.50	8.4062580737 E -4	1.1542347585 E -2	1.3769257714 E -1	1.0158881482 E 0	-8.0777601523 E -2
3.75	1.2603741069 E -3	1.5220526199 E -2	1.5829731585 E -1	1.0163310395 E 0	-9.2930322100 E -2
4.00	1.8382815490 E -3	1.9711529691 E -2	1.8033193231 E -1	1.0162540226 E 0	-1.0595213423 E -1
4.25	2.6165257375 E -3	2.5123367883 E -2	2.0377416210 E -1	1.0155453164 E 0	-1.1983822574 E -1
4.50	3.6440065815 E -3	3.1568242188 E -2	2.2859233088 E -1	1.0140859508 E 0	-1.3457984292 E -1
4.75	4.9764938913 E -3	3.9161313299 E -2	2.5474377243 E -1	1.0117500370 E 0	-1.5016357541 E -1
5.00	6.6765795539 E -3	4.8019164456 E -2	2.8217313453 E -1	1.0084051491 E 0	-1.6657058785 E -1
5.25	8.8133927282 E -3	5.8257919395 E -2	3.1081057995 E -1	1.0039128413 E 0	-1.8377579694 E -1
5.50	1.1462035042 E -2	6.990976067 E -2	3.4056989700 E -1	9.9812933367 E -1	-2.0174699337 E -1
5.75	1.4702693051 E -2	8.332632866 E -2	3.7134654610 E -1	9.9090640261 E -1	-2.2044390963 E -1
6.00	1.8619388074 E -2	9.8363414959 E -2	4.0301568488 E -1	9.8209252380 E -1	-2.3981723758 E -1
6.25	2.3298330123 E -2	1.1518960607 E -1	4.3543023660 E -1	9.7153431982 E -1	-2.5980760402 E -1
6.50	2.8825854292 E -2	1.3387615780 E -1	4.6841909469 E -1	9.5907837360 E -1	-2.8034451981 E -1
6.75	3.5285935178 E -2	1.5447388555 E -1	5.0178558957 E -1	9.4457537115 E -1	-3.0134532295 E -1
7.00	4.2757302822 E -2	1.7700854829 E -1	5.3530338140 E -1	9.2787333550 E -1	-3.2271418359 E -1
7.25	5.1310212013 E -2	2.0147614777 E -1	5.6873097875 E -1	9.0883990260 E -1	-3.4434116190 E -1
7.50	6.1002963996 E -2	2.2783836835 E -1	6.0178211420 E -1	8.8734716691 E -1	-3.6661014449 E -1
7.75	7.1878320743 E -2	2.5601845466 E -1	6.3415722417 E -1	8.6328558661 E -1	-3.8785489559 E -1
8.00	8.3950001748 E -2	2.8589788201 E -1	6.6553127326 E -1	8.3656694288 E -1	-4.0944589487 E -1
8.25	9.7289494593 E -2	3.1731421116 E -1	6.9556112407 E -1	8.0712981022 E -1	-4.3070374252 E -1
8.50	1.1172443939 E -1	3.5004052148 E -1	7.2389157490 E -1	7.7494455662 E -1	-4.5144365166 E -1
8.75	1.2733185419 E -1	3.8388677284 E -1	7.5016306857 E -1	7.4001903032 E -1	-4.7146848841 E -1
9.00	1.4399744641 E -1	4.1850334947 E -1	7.7402092146 E -1	7.0240713282 E -1	-4.9057132822 E -1
9.25	1.6161619993 E -1	4.5358688960 E -1	7.9512574711 E -1	6.6219266268 E -1	-5.0853884420 E -1
9.50	1.8005934057 E -1	4.8878831308 E -1	8.1316457422 E -1	6.1953195314 E -1	-5.2515563578 E -1
9.75	1.9917667008 E -1	5.2374274638 E -1	8.2786201215 E -1	5.7461458273 E -1	-5.4020897035 E -1
10.00	2.1880113436 E -1	5.5808083842 E -1	8.3899072281 E -1	5.2768225110 E -1	-5.5349445148 E -1

TABLE 39c - Prolate Coefficients  $d_{l,17}$

C	r=10	r=12	r=14	r=16	r=18
0.25	7.4892999110 E -8	-8.5281685706 E -12	6.7332824606 E -16	-3.9491338287 E -20	1.8000443644 E -24
0.50	1.1987522963 E -6	-5.4601065849 E -10	1.7243680402 E -13	-4.0454164472 E -17	7.3757808670 E -21
0.75	6.0725815846 E -6	-6.2231354414 E -9	4.4221267016 E -12	-2.3342333293 E -15	9.5756740147 E -19
1.00	1.9209474723 E -5	-3.4997555621 E -8	4.4209846004 E -11	-4.1486640729 E -14	3.0255612612 E -17
1.25	4.6951321361 E -5	-1.3365498542 E -7	2.6380447119 E -10	-3.8679931436 E -13	4.4074024771 E -16
1.50	9.7491341799 E -5	-3.9963398525 E -7	1.1358426111 E -9	-2.3981744923 E -12	3.935111497 E -15
1.75	1.8090159522 E -4	-1.0093268357 E -6	3.9046213174 E -9	-1.1221026413 E -11	2.5061089384 E -14
2.00	3.0916435642 E -4	-2.2530298524 E -6	1.1384090224 E -8	-4.2730204382 E -11	1.2464787333 E -13
2.25	4.9620600284 E -4	-4.5767330630 E -6	2.9268217187 E -8	-1.3903992262 E -10	5.1332785432 E -13
2.50	7.5793179481 E -4	-8.6309536186 E -6	6.8143431899 E -8	-3.9965683314 E -10	1.8216306548 E -12
2.75	1.1122596639 E -3	-1.5326818814 E -5	1.4642628583 E -7	-1.0391475016 E -9	5.7311483667 E -12
3.00	1.5791508456 E -3	-2.589593202 E -5	2.9448430370 E -7	-2.4872113121 E -9	1.6325419060 E -11
3.25	2.1804348762 E -3	-4.1979817567 E -5	5.6023441477 E -7	-5.5534976831 E -9	4.2781653274 E -11
3.50	2.9408263142 E -3	-6.5672182978 E -5	1.0165483907 E -6	-1.1687594840 E -8	1.0482551669 E -10
3.75	3.8859296523 E -3	-9.9642197471 E -5	1.7708402908 E -6	-2.3374566633 E -8	2.3976169227 E -10
4.00	5.0442795554 E -3	-1.4721061214 E -4	2.9772336875 E -6	-4.4718448659 E -8	5.2193571963 E -10
4.25	6.4460618181 E -3	-2.124554205 E -4	4.8517629069 E -6	-8.2280457815 E -8	1.084254041 E -9
4.50	8.1237608730 E -3	-3.0032133756 E -4	7.6910826305 E -6	-1.4625553055 E -7	2.1609806485 E -9
4.75	1.0111578586 E -2	-4.167357410 E -4	1.1895199542 E -5	-2.5209036517 E -7	4.1507477721 E -9
5.00	1.2445568387 E -2	-5.6873021705 E -4	1.7994762941 E -5	-4.2266852682 E -7	7.7126890515 E -9
5.25	1.5163427802 E -2	-7.6456896659 E -4	2.6683466961 E -5	-6.9121340506 E -7	1.3908967329 E -8
5.50	1.8304291309 E -2	-1.0138722887 E -3	3.8856117330 E -5	-1.1050877527 E -6	2.4411880497 E -8
5.75	2.1908464082 E -2	-1.3277735640 E -3	5.5652893229 E -5	-1.7306987786 E -6	4.1799351209 E -8
6.00	2.6017085655 E -2	-1.7189983016 E -3	7.8510279819 E -5	-2.6597495087 E -6	6.9969501520 E -8
6.25	3.0671711055 E -2	-2.2020374847 E -3	1.0921904580 E -4	-4.0171089798 E -6	1.1471332354 E -7
6.50	3.5913795533 E -2	-2.7932349138 E -3	1.4998947606 E -4	-5.9706035628 E -6	1.844971191 E -7
6.75	4.1784068202 E -2	-3.5108869677 E -3	2.0352382151 E -4	-8.7430560190 E -6	2.9149766622 E -7
7.00	4.8321760039 E -2	-4.3753115371 E -3	2.7309557429 E -4	-1.2626913100 E -5	4.530377643 E -7
7.25	5.563813426 E -2	-5.4088810134 E -3	3.6263469464 E -4	-1.8001800400 E -5	6.9322798251 E -7
7.50	6.3543644483 E -2	-6.6360079660 E -3	4.7681728887 E -4	-2.5355316964 E -5	1.0456339318 E -6
7.75	7.2290156447 E -2	-8.0830684626 E -3	6.2115746117 E -4	-3.5307322714 E -5	1.559280980 E -6
8.00	8.1626312841 E -2	-9.778522052 E -3	8.0209814850 E -4	-4.8437871518 E -5	2.2858037856 E -6
8.25	9.2167713230 E -2	-1.1751319126 E -2	1.0270967389 E -3	-6.6318784171 E -5	3.3175848815 E -6
8.50	1.0332107147 E -1	-1.4033256488 E -2	1.3047002438 E -3	-8.954865684 E -5	4.759978711 E -6
8.75	1.1528267539 E -1	-1.6446038528 E -2	1.6446038528 E -3	-1.1979081842 E -4	6.7543936306 E -6
9.00	1.2803690565 E -1	-1.9650958559 E -2	2.0576859857 E -3	-1.5881344350 E -4	9.4484318564 E -6
9.25	1.4155490749 E -1	-2.3050119997 E -2	2.5560126316 E -3	-2.0873066550 E -4	1.3182898241 E -5
9.50	1.5579351966 E -1	-2.6882454313 E -2	3.1528043755 E -3	-2.7204317355 E -4	1.8145044520 E -5
9.75	1.7069456632 E -1	-3.1178929396 E -2	3.8623571986 E -3	-3.5167644181 E -4	2.4736829515 E -5
10.00	1.8618460957 E -1	-3.5961392876 E -2	4.6999209481 E -3	-4.5101446078 E -4	3.3418688861 E -5

TABLE 39b -- Prolate Coefficients  $d_{l,1}^{1,7}$

C	r=20	r=22	r=24	r=26	r=28
0.25	-6.5853180409 E-29	1.2988936521 E-28	-1.9376504381 E-29	1.1816917630 E-30	-2.62544557962 E-30
0.50	-1.0793332563 E-24	8.5368297992 E-26	-3.4398418186 E-27	1.0260509898 E-28	-7.8109982805 E-29
0.75	-1.1528085663 E-22	8.5247924262 E-24	-1.9115614982 E-25	3.9388403624 E-27	-1.4767411971 E-27
1.00	-1.7709624262 E-20	3.0319048387 E-22	-5.0959309068 E-24	8.6095027214 E-26	-1.9748636624 E-26
1.25	-4.0310468850 E-19	5.6129386011 E-21	-8.1835398600 E-23	1.2462154906 E-24	-2.0099303658 E-25
1.50	-5.1824810177 E-18	6.6224114979 E-20	-9.0692967630 E-22	1.3168049325 E-23	-1.6402146475 E-24
1.75	-4.422337153 E-17	5.619092870 E-19	-7.5717711856 E-21	1.0855509725 E-22	-1.1154002876 E-23
2.00	-2.918364722 E-16	3.7066826622 E-18	-5.0560456657 E-20	7.3212184547 E-22	-6.5084797262 E-23
2.25	-1.521081705 E-15	2.0048569905 E-17	-2.8181055119 E-19	4.1834427287 E-21	-3.336913906 E-21
2.50	-6.6640191507 E-15	9.2351140777 E-17	-1.3530925340 E-18	2.0799566698 E-20	-1.5241562905 E-21
2.75	-2.5369211133 E-14	3.7259021507 E-16	-5.7321650655 E-18	1.4206472354 E-17	-6.3359689519 E-21
3.00	-8.600304777 E-14	1.3449065000 E-15	-2.1827913184 E-17	1.4206472354 E-17	-2.4139630519 E-20
3.25	-2.645100217 E-13	4.4157760301 E-15	-7.5825303406 E-17	3.6632223462 E-19	-8.5237059145 E-20
3.50	-7.4881749551 E-13	1.3361951313 E-14	-2.4315791679 E-16	1.3366218693 E-18	-2.8124748723 E-19
3.75	-1.9737694119 E-12	3.7659109625 E-14	-7.2687265902 E-16	4.5108018749 E-18	-8.7325519212 E-19
4.00	-4.8889794228 E-12	9.9715077275 E-14	-2.0418410166 E-15	1.1787854111 E-16	-2.5666787991 E-18
4.25	-1.1466331449 E-11	2.9833353810 E-13	-5.4263622282 E-15	3.1423491679 E-16	-7.1779954970 E-18
4.50	-2.5623244189 E-11	5.9585825584 E-13	-1.3721344355 E-14	8.0064798995 E-16	-1.9184994506 E-17
4.75	-5.4843315988 E-11	1.3596871137 E-12	-3.3174129223 E-14	1.9576990860 E-15	-4.9195441625 E-17
5.00	-1.1293233497 E-10	2.9813765042 E-12	-7.7007852241 E-14	4.6099021347 E-15	-1.2144028487 E-16
5.25	-2.2457418908 E-10	6.3050858673 E-12	-1.7225694817 E-13	1.0486106734 E-14	-2.8944733783 E-16
5.50	-4.3267274062 E-10	1.2902059851 E-11	-3.7247361314 E-13	2.3104088409 E-14	-6.6786573819 E-16
5.75	-8.0991346449 E-10	2.5617574557 E-11	-7.8071362473 E-13	4.9425818151 E-14	-1.4953272263 E-15
6.00	-1.4765910560 E-9	4.9475840856 E-11	-1.5900898959 E-12	2.0875441181 E-13	-3.2554662187 E-15
6.25	-2.627524869 E-9	9.3145555855 E-11	-3.1536839036 E-12	4.1361805796 E-13	-6.9043726171 E-15
6.50	-4.5723528377 E-9	1.7126614985 E-10	-6.102503067 E-12	8.0144030382 E-13	-1.4288510735 E-14
6.75	-7.7935734980 E-9	3.0807323016 E-10	-1.1540504973 E-11	1.5206531434 E-12	-2.8896301424 E-14
7.00	-1.3031171677 E-8	5.4294935987 E-10	-2.1361038097 E-11	2.8287408628 E-12	-5.7182403805 E-14
7.25	-2.1401576166 E-8	9.3878311679 E-10	-3.8750924906 E-11	5.1644094091 E-12	-1.1085577784 E-13
7.50	-3.4564103834 E-8	1.5943557618 E-9	-6.8979807357 E-11	9.2623809382 E-12	-2.1075886680 E-13
7.75	-5.4949965148 E-8	2.6624153088 E-9	-1.2061551852 E-10	1.6332915861 E-11	-3.9332480890 E-13
8.00	-8.6073031540 E-8	4.375487812 E-9	-2.0736515046 E-10	2.8337921485 E-11	-7.2113554040 E-13
8.25	-1.3294566444 E-7	7.0834504588 E-9	-3.5081944515 E-10	4.8408701853 E-11	-1.2998859286 E-12
8.50	-2.0262727994 E-7	1.1303200994 E-8	-5.8448123459 E-10	8.1463905464 E-11	-2.3051770402 E-12
8.75	-3.0493764429 E-7	1.77901724872 E-8	-9.5958160853 E-10	1.3514032905 E-10	-4.0241258500 E-12
9.00	-4.5337076993 E-7	2.7636566699 E-8	-1.553572972 E-9		
9.25	-6.6624820715 E-7	4.2388855401 E-8	-2.4806390589 E-9		
9.50	-9.6815192185 E-7	6.428000108 E-8	-3.9098336802 E-9		
9.75	-1.391676207 E-6	9.6176153731 E-8			
10.00	-1.9795346348 E-6				

TABLE 40 -- Prolete Coefficients

4.18

C	E=1	E=3	E=5	E=7	E=9
0.25	6.2413678487 E-11	2.0762587348 E-7	5.861469701 E-4	9.998766326 E-1	-3.6458647276 E-4
0.50	3.9920784585 E-9	3.3204457479 E-6	2.3518092771 E-3	9.9954930329 E-1	-1.4450307376 E-3
0.75	4.5426652362 E-8	1.6799191572 E-5	5.2883676340 E-3	9.9897787700 E-1	-3.2962272703 E-3
1.00	5.487658302 E-7	5.3042292237 E-5	9.3935043899 E-3	9.9816286642 E-1	-5.8551760015 E-3
1.25	9.7050211939 E-7	1.2933535986 E-4	1.4661027331 E-2	9.9708931104 E-1	-9.1390220881 E-3
1.50	2.8913873913 E-6	2.6777521348 E-4	2.1082765260 E-2	9.9573805076 E-1	-1.3142959725 E-2
1.75	7.2714406182 E-6	4.9517117911 E-4	2.6448411745 E-2	9.940876457 E-1	-1.7860948148 E-2
2.00	1.6151434392 E-5	8.4292038263 E-4	3.7345335395 E-2	9.9210513387 E-1	-2.3285724885 E-2
2.25	3.2626026477 E-5	1.346859222 E-3	4.7158357478 E-2	9.8976487303 E-1	-2.9408498397 E-2
2.50	6.1141858960 E-5	2.0470581744 E-3	5.8069497881 E-2	9.8702955776 E-1	-3.6219038880 E-2
2.75	1.0782201259 E-4	2.9876470442 E-3	7.0057690447 E-2	9.8386044287 E-1	-4.3705436904 E-2
3.00	1.808118606 E-4	4.2165145214 E-3	8.3098470570 E-2	9.8021493343 E-1	-5.1853981182 E-2
3.25	2.9063497116 E-4	5.7850424387 E-3	9.7163632583 E-2	9.7604707732 E-1	-6.0648997659 E-2
3.50	4.5056550074 E-4	7.7477378589 E-3	1.1222086598 E-1	9.7130770338 E-1	-7.0072674855 E-2
3.75	6.7698455657 E-4	1.0161888023 E-2	1.2823336583 E-1	9.6594444780 E-1	-8.0104889489 E-2
4.00	9.8973394030 E-4	1.3086948303 E-2	1.4515442422 E-1	9.5990501107 E-1	-9.0722991400 E-2
4.25	1.4124415406 E-3	1.6534329063 E-2	1.6295200443 E-1	9.5312544864 E-1	-1.0190161954 E-1
4.50	1.9728100801 E-3	2.0716510854 E-2	1.8155830135 E-1	9.4555249823 E-1	-1.1361247883 E-1
4.75	2.7028540190 E-3	2.5546532806 E-2	2.0091929205 E-1	9.371224476 E-1	-1.2582412413 E-1
5.00	3.6390885454 E-3	3.1137216631 E-2	2.2096928072 E-1	9.2777424121 E-1	-1.3850173634 E-1
5.25	4.8225130385 E-3	3.7550328184 E-2	2.4163544265 E-1	9.1744294453 E-1	-1.5160489740 E-1
5.50	6.2987898945 E-3	4.4845638256 E-2	2.6283737426 E-1	9.0606523550 E-1	-1.6509736188 E-1
5.75	8.1178982326 E-3	5.3079874180 E-2	2.8448645151 E-1	8.935775553 E-1	-1.7892663436 E-1
6.00	1.0333946860 E-2	6.230554102 E-2	3.0648641179 E-1	8.7991705822 E-1	-1.9304474843 E-1
6.25	1.300462125 E-2	7.2569696670 E-2	3.2873092222 E-1	8.6502249864 E-1	-2.0739605573 E-1
6.50	1.619074127 E-2	8.3912400669 E-2	3.5110543154 E-1	8.4883491281 E-1	-2.2192102327 E-1
6.75	1.9955189539 E-2	9.636522213 E-2	3.734858103 E-1	8.3129858282 E-1	-2.3655505081 E-1
7.00	2.4361721366 E-2	1.099494204 E-1	3.9573709703 E-1	8.1236160130 E-1	-2.5122850496 E-1
7.25	2.9473933902 E-2	1.2467556288 E-1	4.1771649422 E-1	7.919774757 E-1	-2.6586659598 E-1
7.50	3.5353435579 E-2	1.4053810731 E-1	4.3927016789 E-1	7.7010688901 E-1	-2.8038928406 E-1
7.75	4.2058034036 E-2	1.5751730093 E-1	4.6023514338 E-1	7.4671672047 E-1	-2.9471115883 E-1
8.00	4.9639627302 E-2	1.7557516402 E-1	4.8043948242 E-1	7.2178417169 E-1	-3.0874164009 E-1
8.25	5.8141803084 E-2	1.9465399754 E-1	4.9970311488 E-1	6.9529701733 E-1	-3.2238500488 E-1
8.50	6.7597760906 E-2	2.146743518 E-1	5.1783908980 E-1	6.6725581405 E-1	-3.3554053391 E-1
8.75	7.8026958942 E-2	2.3553499097 E-1	5.3465528763 E-1	6.3767551416 E-1	-3.4810310709 E-1
9.00	8.943337253 E-2	2.5710905765 E-1	5.4995674469 E-1	6.0658774505 E-1	-3.5996349135 E-1
9.25	1.0180287929 E-1	2.7924653105 E-1	5.6354858563 E-1	5.7404277756 E-1	-3.7101021607 E-1
9.50	1.1510109990 E-1	3.0177324428 E-1	5.7523944306 E-1	5.4011129547 E-1	-3.8112849491 E-1
9.75	1.2927218545 E-1	3.2449225856 E-1	5.8484674162 E-1	5.0488633262 E-1	-3.9020466233 E-1
10.00	1.4423795476 E-1	3.4718804211 E-1	5.9219957886 E-1	4.6848454534 E-1	-3.9812494860 E-1

TABLE 40a - Prolate Coefficients  $d_{l,1}^8$

C	r=11	r=13	r=15	r=17	r=19
0.25	6.2118622718 E - 8	-6.5019391491 E - 12	4.74626523N1 E - 16	-2.5873475033 E - 20	1.1013236678 E - 24
0.50	9.9354849180 E - 7	-4.1597595459 E - 10	1.2146071217 E - 13	-2.644841134 E - 17	4.5093774847 E - 21
0.75	5.0268863510 E - 6	-4.7354134730 E - 9	3.1110410338 E - 12	-1.5263282897 E - 15	5.8472028466 E - 19
1.00	1.5874349588 E - 5	-2.658432205 E - 8	3.10849284250 E - 11	-2.7081268157 E - 14	1.8443560402 E - 17
1.25	3.8714518028 E - 5	-1.0130341538 E - 7	1.8486893832 E - 10	-2.5194107271 E - 13	2.6809745909 E - 16
1.50	8.0173586500 E - 5	-3.0209425300 E - 7	7.9385770261 E - 10	-1.5578945479 E - 12	2.3872193930 E - 15
1.75	1.4830093981 E - 4	-7.6058811674 E - 7	2.7204607382 E - 9	-7.2665603012 E - 12	1.5155716775 E - 14
2.00	2.5253880468 E - 4	-1.6916962980 E - 6	7.9031552171 E - 9	-2.7572236911 E - 11	1.5110690280 E - 14
2.25	4.0368567403 E - 4	-3.4225740284 E - 6	2.0236733700 E - 8	-8.9355015763 E - 11	3.0807366561 E - 13
2.50	6.1385313751 E - 4	-6.4254921798 E - 6	4.6904830818 E - 8	-2.5569121728 E - 10	1.0883515789 E - 12
2.75	8.9441568895 E - 4	-1.1354379539 E - 5	1.0029378619 E - 7	-6.6155500580 E - 10	3.4072975141 E - 12
3.00	1.2659530154 E - 3	-1.9084764123 E - 5	2.0082978950 E - 7	-1.5749822254 E - 9	9.6539950852 E - 12
3.25	1.7381842059 E - 3	-3.0756806300 E - 5	3.7949253717 E - 7	-3.4964531028 E - 9	2.5153254213 E - 11
3.50	2.3298932490 E - 3	-4.7821078774 E - 5	6.8436817900 E - 7	-7.3132197278 E - 9	6.1018525914 E - 11
3.75	3.0588451191 E - 3	-7.2086708045 E - 5	1.1844119734 E - 6	-1.4530509060 E - 8	1.3918204999 E - 10
4.00	3.9436916818 E - 3	-1.0577144828 E - 4	1.9775966146 E - 6	-2.7606734851 E - 8	3.0088759856 E - 10
4.25	5.0038665769 E - 3	-1.515321056 E - 4	3.1994254254 E - 6	-5.0426574675 E - 8	6.2050245793 E - 10
4.50	6.2594681641 E - 3	-2.1262251746 E - 4	5.0333902826 E - 6	-8.8952748640 E - 8	1.2272585199 E - 9
4.75	7.7311295436 E - 3	-2.923529343 E - 4	7.7233519305 E - 6	-1.5210527695 E - 7	2.3365050017 E - 9
5.00	9.439877793 E - 3	-3.9626533404 E - 4	1.1588014869 E - 5	-2.5292558935 E - 7	4.3092884178 E - 9
5.25	1.1404958762 E - 2	-5.2825571975 E - 4	1.7037659747 E - 5	-4.1009211345 E - 7	7.7046132767 E - 9
5.50	1.3653693651 E - 2	-6.9446834938 E - 4	2.4593282465 E - 5	-6.44986378957 E - 7	1.3402626931 E - 8
5.75	1.6211253490 E - 2	-9.0143066176 E - 4	3.49058270068 E - 5	-1.0085382214 E - 6	2.2739225869 E - 8
6.00	1.9070462256 E - 2	-1.1564784854 E - 3	4.8792717712 E - 5	-1.5355216958 E - 6	3.7707595592 E - 8
6.25	2.2281560870 E - 2	-1.4677937994 E - 3	6.7240456676 E - 5	-2.2971188292 E - 6	6.1228486316 E - 8
6.50	2.585394817 E - 2	-1.8444359967 E - 3	9.1458818285 E - 5	-3.3811597563 E - 6	9.7512677494 E - 8
6.75	2.9805901158 E - 2	-2.2963650010 E - 3	1.2290109918 E - 4	-4.9025920266 E - 6	1.5253909512 E - 7
7.00	3.4154263599 E - 2	-2.8344542970 E - 3	1.6330161558 E - 4	-7.0101719590 E - 6	2.3467882701 E - 7
7.25	3.8914106844 E - 2	-3.4704915750 E - 3	2.1471313203 E - 4	-9.8943950497 E - 6	3.5549983197 E - 7
7.50	4.4098356338 E - 2	-4.2171642590 E - 3	2.7954631747 E - 4	-1.3796805642 E - 5	5.3079336338 E - 7
7.75	4.9717383207 E - 2	-5.0880266994 E - 3	3.6061070981 E - 4	-1.9020820456 E - 5	7.8186938699 E - 7
8.00	5.5778558230 E - 2	-6.0974452577 E - 3	4.6115645193 E - 4	-2.5944186116 E - 5	1.1371746394 E - 6
8.25	6.2285767651 E - 2	-7.2605149569 E - 3	5.8491579040 E - 4	-3.5033164273 E - 5	1.6342930121 E - 6
8.50	6.9238892141 E - 2	-8.5929568636 E - 3	7.3614299800 E - 4	-4.6858495428 E - 5	2.3223930624 E - 6
8.75	7.6633253395 E - 2	-1.0110949010 E - 2	9.1965099567 E - 4	-6.2113129962 E - 5	3.2651908434 E - 6
9.00	8.4459032750 E - 2	-1.1830955604 E - 2	1.1408425186 E - 3	-8.1631628032 E - 5	4.5444968385 E - 6
9.25	9.2700707938 E - 2	-1.3769479648 E - 2	1.4057332203 E - 3	-1.0641101569 E - 4	6.2644123142 E - 6
9.50	1.0133643497 E - 1	-1.5942777114 E - 2	1.7209636747 E - 3	-1.3763274135 E - 4	8.5562313874 E - 6
9.75	1.1033756170 E - 1	-1.8366516630 E - 2	2.0937968834 E - 3	-1.7668820637 E - 4	1.1584089052 E - 5
10.00	1.1966815211 E - 1	-2.1055387338 E - 2	2.5320976848 E - 3	-2.2518615168 E - 4	1.5551370965 E - 5



TABLE 40b - Prolate Coefficients  $d_{l1}$

C	r=21	r=23	r=25	r=27	r=29
0.25	-3.7783480186 E-29	7.0098391913 E-29	-9.8643288748 E-30	5.6892716553 E-31	-1.1949307489 E-30
0.50	-6.1881773426 E-25	4.60153304181 E-26	-1.7482050577 E-27	4.929274721 E-29	-3.5439604999 E-29
0.75	-1.8054088251 E-22	4.5812334928 E-24	-9.6938369859 E-26	1.8872205948 E-27	-6.6762064713 E-28
1.00	-1.012390435 E-20	1.6279291625 E-22	-2.5773786255 E-24	4.1122185681 E-26	-8.8921599888 E-27
1.25	-2.2993982316 E-19	3.0037777839 E-21	-4.520951057 E-23	5.9310816841 E-25	-9.0095068273 E-26
1.50	-2.9483198357 E-18	3.552935626 E-20	-4.553158819 E-22	6.2417544745 E-24	-7.3160938813 E-25
1.75	-2.5477154581 E-17	2.9889385335 E-19	-3.7888268208 E-21	5.1225377007 E-23	-4.9485795606 E-24
2.00	-1.6491468869 E-16	1.9637225799 E-18	-2.185169779 E-20	3.4377710152 E-22	-2.8708957304 E-23
2.25	-8.5608615992 E-16	1.0573712896 E-17	-1.3968503371 E-19	1.9538848640 E-21	-1.4614117594 E-22
2.50	-3.7337806256 E-15	4.8466902177 E-17	-6.6710180330 E-19	9.6584644948 E-21	-6.6463243294 E-22
2.75	-1.4144207549 E-14	1.9449434905 E-16	-2.8097837781 E-18	4.2392494613 E-20	-2.7400708098 E-21
3.00	-4.7693454878 E-14	6.9800461474 E-16	-1.0633549248 E-17	1.6794403084 E-19	-1.0362909359 E-20
3.25	-1.4584082289 E-13	2.2776486748 E-15	-3.6696030734 E-17	6.0852483054 E-19	-3.6309767537 E-20
3.50	-4.1032558448 E-13	6.8468514169 E-15	-1.1685961897 E-16	2.0395845745 E-18	-1.1884338472 E-19
3.75	-1.0744677854 E-12	6.8468514169 E-15	-3.4677126777 E-16	6.371018114 E-18	-3.6590854132 E-19
4.00	-2.4429788901 E-12	1.9103086290 E-14	-9.6642651439 E-16	1.8714594733 E-17	-1.0661254869 E-18
4.25	-6.1534443885 E-11	5.0369682444 E-14	-2.5482784487 E-15	5.2000047208 E-17	-2.9546991742 E-18
4.50	-1.3445579561 E-11	1.253234030 E-13	-6.3898671989 E-15	1.3741539620 E-16	-7.8238624214 E-18
4.75	-2.8973286135 E-11	2.9628976606 E-13	-1.5314910776 E-14	3.4697925905 E-16	-1.9870984009 E-17
5.00	-5.9165340072 E-11	6.7046749505 E-13	-7.8081942881 E-14	8.4055493522 E-16	-4.8572294031 E-17
5.25	-1.1664066047 E-10	1.4574203538 E-12	-3.5232221830 E-14	1.9604553916 E-15	-1.1461345541 E-16
5.50	-2.272279980 E-10	3.0544411810 E-12	-7.8081942881 E-14	4.159304999 E-15	-2.6176945522 E-16
5.75	-4.1308687788 E-10	6.1931261139 E-12	-1.6723473807 E-13	9.632357986 E-15	-5.8005484764 E-16
6.00	-7.4602431747 E-10	1.2180374465 E-11	-3.4711949641 E-13	2.0398222432 E-14	-1.2497208617 E-15
6.25	-1.3147424481 E-9	2.3264396857 E-11	-6.996589988 E-13	4.327357986 E-15	-5.3715386319 E-15
6.50	-2.2653482799 E-9	4.3425403540 E-11	-1.3742558828 E-12	8.4386935821 E-14	-2.1060191087 E-14
6.75	-5.8227112203 E-9	7.9043779498 E-11	-2.6320540584 E-12	1.9633569269 E-12	-7.6128395181 E-14
7.00	-6.3271044867 E-9	1.4073742392 E-10	-4.9262057413 E-12	6.1579763173 E-12	-1.4079184723 E-13
7.25	-1.0285393672 E-8	2.4499303399 E-10	-9.0239587677 E-12	1.0594160440 E-11	-2.5595305730 E-13
7.50	-1.6441560727 E-8	4.2010395087 E-10	-1.6201555750 E-11	1.7957282357 E-11	-4.577889598 E-13
7.75	-2.5872746083 E-8	7.0615834816 E-10	-2.8545636500 E-11	3.0009704005 E-11	-8.0617015214 E-13
8.00	-4.0118385561 E-8	1.1672434941 E-9	-4.943012381 E-11	4.947674396 E-11	-1.3987697097 E-12
8.25	-6.1351917933 E-8	1.8992131560 E-9	-8.4121927815 E-11	1.097383178 E-12	
8.50	-9.2606519394 E-8	3.0446350960 E-9	-1.4097702754 E-10	3.5238767752 E-12	
8.75	-1.3808859026 E-7	4.8128710955 E-9	-2.3276889302 E-10	6.1579763173 E-12	
9.00	-2.0345511728 E-7	7.5076508958 E-9	-3.7893948089 E-10	1.0594160440 E-11	
9.25	-2.9449346319 E-7	1.1544488987 E-8	-6.0866948700 E-10	1.7957282357 E-11	
9.50	-4.2752441310 E-7	1.7600859629 E-8	-9.6522494035 E-10	3.0009704005 E-11	
9.75	-6.1025118897 E-7	2.4482683839 E-8	-1.5120004492 E-9	4.947674396 E-11	
10.00	-8.4265831789 E-7	3.9411375442 E-8			

TABLE 41 - Prolate Coefficients 4.19

C	r = 0	r = 2	r = 4	r = 6	r = 8
0.25	9.0580623377 E-15	3.7206258014 E-11	1.5323382837 E-7	5.1224338294 E-4	1.0000858906 E 0
0.50	2.3177416169 E-12	2.3815482413 E-9	2.4522706506 E-6	2.0494703418 E-3	1.0003414843 E 0
0.75	5.9353139792 E-11	1.7133856815 E-8	1.2419051981 E-5	4.6131535345 E-3	1.0007605416 E 0
1.00	5.9218798695 E-10	1.5250639722 E-7	3.9269714243 E-5	8.2056880948 E-3	1.0013326596 E 0
1.25	3.5245286275 E-9	5.8200866951 E-7	9.5933176391 E-5	1.2830302497 E-2	1.0020433202 E 0
1.50	1.5127426582 E-8	1.7387312330 E-6	1.9907563257 E-4	1.8490933393 E-2	1.0028733708 E 0
1.75	5.1808720524 E-8	4.3869154404 E-6	3.6912941165 E-4	2.519204062 E-2	1.0038000736 E 0
2.00	1.5039989923 E-7	9.7809989133 E-6	6.3032421431 E-4	3.2938526040 E-2	1.0047959344 E 0
2.25	3.8478485345 E-7	1.9842288756 E-5	1.0107182794 E-3	4.1735283446 E-2	1.0058629218 E 0
2.50	8.9097227840 E-7	3.7363326989 E-5	1.5422265627 E-3	5.1587059453 E-2	1.0068639057 E 0
2.75	1.9029277774 E-6	6.6239864965 E-5	2.2606425296 E-3	6.2498224415 E-2	1.0078594142 E 0
3.00	3.8016435011 E-6	1.1173014444 E-4	3.2056496760 E-3	7.4472245094 E-2	1.0087707938 E 0
3.25	7.1800217718 E-6	1.8074088063 E-4	4.4208183826 E-3	8.7511394590 E-2	1.0095483756 E 0
3.50	1.2926172797 E-5	2.8213894394 E-4	5.9535831946 E-3	1.0161630260 E-1	1.0101387699 E 0
3.75	2.2327662254 E-5	4.270822961 E-4	7.8551950873 E-3	1.1678548590 E-1	1.0104828541 E 0
4.00	3.7199078059 E-5	6.2940257217 E-4	1.018042734 E-2	1.3301483888 E-1	1.0105177752 E 0
4.25	6.0035001765 E-5	9.0593279183 E-4	1.2988536242 E-2	1.5029708472 E-1	1.0101759744 E 0
4.50	9.4190052447 E-5	1.2769490347 E-3	1.634046228 E-2	1.6062118753 E-1	1.0093854349 E 0
4.75	1.4408710270 E-4	1.7665484743 E-3	2.0303190577 E-2	1.8797172655 E-1	1.0080697602 E 0
5.00	2.1545402980 E-4	2.4030611596 E-3	2.4943560547 E-2	2.0832823389 E-1	1.0061462863 E 0
5.25	3.1558844243 E-4	3.2194533130 E-3	3.032977369 E-2	2.2966449770 E-1	1.0035362355 E 0
5.50	4.5364869741 E-4	4.2537176791 E-3	3.6544569799 E-2	2.5194783338 E-1	1.0001449147 E 0
5.75	6.4096817483 E-4	5.5492395955 E-3	4.3653162487 E-2	2.7513832609 E-1	9.9588196810 E-1
6.00	8.9138819903 E-4	7.1551252871 E-3	5.1734464411 E-2	2.9918804962 E-1	9.9065168796 E-1
6.25	1.2216031662 E-3	9.1264744667 E-3	6.0865346001 E-2	3.2404025957 E-1	9.8435539291 E-1
6.50	1.6515093589 E-3	1.1524592677 E-2	7.1120993002 E-2	3.4962858792 E-1	9.7689188024 E-1
6.75	2.2045465941 E-3	1.4417079925 E-2	8.2575924689 E-2	3.7587621137 E-1	9.6815796120 E-1
7.00	2.9080192772 E-3	1.7877841128 E-2	9.5301863669 E-2	4.0269503729 E-1	9.5804908838 E-1
7.25	3.7933806453 E-3	2.1986920679 E-2	1.0936664451 E-1	4.2998489729 E-1	9.4646008511 E-1
7.50	4.8964610304 E-3	2.6830172405 E-2	1.2483274889 E-1	4.5763276883 E-1	9.3328598807 E-1
7.75	6.2576179462 E-3	3.2498717140 E-2	1.4175365588 E-1	4.8551204077 E-1	9.1842301559 E-1
8.00	7.9217828311 E-3	3.9088153845 E-2	1.6018199859 E-1	5.1348184383 E-1	9.0176967334 E-1
8.25	9.9383765664 E-3	4.6697486635 E-2	1.8014752179 E-1	5.4138647294 E-1	8.8322802690 E-1
8.50	1.2361063727 E-2	5.5427730183 E-2	2.0167484132 E-1	5.6905493533 E-1	8.62705114 E-1
8.75	1.5247314300 E-2	6.5380158254 E-2	2.2477701512 E-1	5.9630066727 E-1	8.401145572 E-1
9.00	1.8657741846 E-2	7.6654165742 E-2	2.4942494816 E-1	6.2292497337 E-1	8.1537854 E-1
9.25	2.2655189463 E-2	8.9344724622 E-2	2.7560467144 E-1	6.4869975452 E-1	7.8842964981 E-1
9.50	2.7303540148 E-2	1.0353942988 E-1	3.0325455717 E-1	6.7340310421 E-1	7.592131434 E-1
9.75	3.266237137 E-2	1.1931515413 E-1	3.3229256110 E-1	6.967836610 E-1	7.2768544332 E-1
10.00	3.8804513246 E-2	1.3673435964 E-1	3.6260761534 E-1	7.1858885662 E-1	6.9383836724 E-1

TABLE A10 -- Proton Coefficients  $d_{11}$

C	F=10	F=12	F=14	F=16	F=18
0.25	-3.356876986 E -4	5.235214169 E -8	-5.0702851928 E -12	3.4418654834 E -16	-1.752794497 E -20
0.50	-1.3430920705 E -3	8.3784128388 E -7	-3.245774477 E -10	8.0335045286 E -14	-1.7952762657 E -17
0.75	-3.0232112185 E -3	4.2433096706 E -6	-3.6946386043 E -9	2.2596608799 E -12	-1.0356594781 E -15
1.00	-5.3776828554 E -3	1.3418159044 E -5	-2.0793109009 E -8	2.2583768293 E -11	-1.04811948074 E -14
1.25	-6.4087305182 E -3	3.2783972840 E -5	-7.9376589819 E -8	1.3470422370 E -10	-1.7169445550 E -13
1.50	-1.2119096638 E -2	6.8040295188 E -5	-2.3722420200 E -7	5.7971625829 E -10	-1.0427838454 E -12
1.75	-1.6511954777 E -2	1.2618130571 E -4	-5.9860159085 E -7	1.9917411408 E -9	-4.9699832741 E -12
2.00	-2.1590801867 E -2	2.1550782448 E -4	-1.3357943140 E -6	5.8033010274 E -9	-1.8913916274 E -11
2.25	-2.7359330174 E -2	3.4564314920 E -4	-2.7115567597 E -6	1.8999513463 E -8	-6.1508261235 E -11
2.50	-3.3821278707 E -2	5.2754898327 E -4	-5.1095604098 E -6	3.4885737686 E -8	-1.7663783135 E -10
2.75	-4.0980263737 E -2	7.7354114453 E -4	-9.0659229836 E -6	7.44692225649 E -8	-4.588326166 E -10
3.00	-4.8839588139 E -2	1.0973042360 E -3	-1.5304097121 E -5	1.4963180741 E -7	-1.8973300571 E -9
3.25	-5.7402029257 E -2	1.519038422 E -3	-2.4785789180 E -5	2.838754308 E -7	-2.4477594777 E -9
3.50	-6.6649605028 E -2	2.0397958717 E -3	-3.8736164327 E -5	5.1549676885 E -7	-5.1459879083 E -9
3.75	-7.6643318180 E -2	2.6928310246 E -3	-5.813374512 E -5	8.9704504190 E -7	-1.028040198 E -8
4.00	-8.7322878369 E -2	3.4922534715 E -3	-8.652415576 E -5	1.5044946161 E -6	-1.9445144318 E -8
4.25	-9.8704602259 E -2	4.4586920890 E -3	-1.2492528428 E -4	2.4522219808 E -6	-3.610334431 E -8
4.50	-1.1079009163 E -1	5.6141426478 E -3	-1.7440337434 E -4	3.8827748770 E -6	-6.4095748804 E -8
4.75	-1.2356788983 E -1	6.9819392010 E -3	-2.4452394213 E -4	5.9980973777 E -6	-1.1033403393 E -7
5.00	-1.3703111700 E -1	8.5867127840 E -3	-3.3336051276 E -4	9.0629891648 E -6	-1.8476114394 E -7
5.25	-1.5116808480 E -1	1.0454335428 E -2	-4.4769689800 E -4	1.3423079511 E -5	-3.0175735693 E -7
5.50	-1.6596369153 E -1	1.2611847296 E -2	-5.9310444491 E -4	1.9533409752 E -5	-4.8180941940 E -7
5.75	-1.813989896 E -1	1.5087344720 E -2	-7.602219065 E -4	2.7931328624 E -5	-7.5391346603 E -7
6.00	-1.9745079239 E -1	1.7909966452 E -2	-1.0038390719 E -3	3.959812191 E -5	-1.1546475813 E -6
6.25	-2.1409112586 E -1	2.1109556993 E -2	-1.2849777147 E -3	5.488523127 E -5	-1.7447449887 E -6
6.50	-2.3126485487 E -1	2.4716700046 E -2	-1.6289737487 E -3	7.505921703 E -5	-2.5901965827 E -6
6.75	-2.4899915950 E -1	2.8742426202 E -2	-2.046544119 E -3	1.0174693130 E -4	-3.788850811 E -6
7.00	-2.6718306110 E -1	3.3278004749 E -2	-2.5498215275 E -3	1.3435504281 E -4	-5.4647213131 E -6
7.25	-2.8578493477 E -1	3.8294680491 E -2	-3.152078022 E -3	1.8107931188 E -4	-7.7875465751 E -6
7.50	-3.0475203623 E -1	4.3843370611 E -2	-3.8681785296 E -3	2.3883445790 E -4	-1.0962359350 E -5
7.75	-3.2401208693 E -1	4.9954317924 E -2	-4.7144465735 E -3	3.1010820856 E -4	-1.5260399249 E -5
8.00	-3.4349243457 E -1	5.656696394 E -2	-5.7807709495 E -3	4.004394326 E -4	-2.102278333 E -5
8.25	-3.6311040775 E -1	6.3978164435 E -2	-6.9706275940 E -3	5.1340856540 E -4	-2.8677709901 E -5
8.50	-3.8277411812 E -1	7.1944341373 E -2	-8.211245831 E -3	6.530534494 E -4	-3.8759494407 E -5
8.75	-4.0238251029 E -1	8.0578342209 E -2	-9.7829952274 E -3	8.248342817 E -4	-5.1929411378 E -5
9.00	-4.218249997 E -1	8.9899446029 E -2	-1.1580575972 E -2	1.0347180054 E -3	-6.9000567959 E -5
9.25	-4.4098128393 E -1	9.925094162 E -2	-1.3639748456 E -2	1.2897583909 E -3	-9.0944147242 E -5
9.50	-4.5972127189 E -1	1.1066501500 E -1	-1.5987841777 E -2	1.597848497 E -3	-1.1903183174 E -4
9.75	-4.7790517746 E -1	1.2312539533 E -1	-1.8653482344 E -2	1.9480004743 E -3	-1.5444981600 E -4
10.00	-4.9538381357 E -1	1.3439546698 E -1	-2.1666389042 E -2	2.4103270871 E -3	-1.9954283603 E -4

TABLE 41b -- Prolete Coefficients d,19

C	r=20	r=22	r=24	r=26	r=28
0.25	6.9984076799 E-25	-2.2604665285 E-29	3.9638500159 E-29	-5.2900767845 E-30	2.9025804307 E-31
0.50	2.8672300265 E-21	-3.7044247221 E-25	2.6046396130 E-24	-9.3885060655 E-28	2.5193494118 E-29
0.75	3.7215996397 E-19	-1.0818560504 E-22	2.6001928331 E-24	-5.2153260632 E-26	9.668386199 E-28
1.00	1.1755328980 E-17	-6.0750649397 E-21	9.2442456479 E-23	-1.389683828 E-24	2.118278458 E-26
1.25	1.7118394199 E-16	-1.3822860482 E-19	1.7105838706 E-21	-2.2304736774 E-23	3.0549396525 E-25
1.50	1.5276124375 E-15	-1.7762716945 E-18	2.0171249652 E-20	-2.4703462123 E-22	3.2257076774 E-24
1.75	9.7233565431 E-15	-1.5388812485 E-17	1.710449598 E-19	-2.0609869075 E-21	2.6371328757 E-23
2.00	4.8331084075 E-14	-9.9907704408 E-17	1.1275153643 E-18	-1.5751434811 E-20	
2.25	1.9889694750 E-13	-5.2036262622 E-16	6.0936784761 E-18		
2.50	7.0526523326 E-13	-2.2779652249 E-15			
2.75	2.2169760854 E-12	-8.645136876 E-15	2.8045571056 E-17	-7.6580787008 E-20	1.7904893378 E-22
3.00	6.3092894219 E-12	-2.9345796092 E-14	1.1304384271 E-16	-3.6735205894 E-19	1.0221480409 E-21
3.25	1.6517384425 E-11	-9.0165099376 E-14	4.0763302713 E-16	-1.5546533061 E-18	5.0768299428 E-21
3.50	4.0274503551 E-11	-2.5498061113 E-13	1.3369505533 E-15	-5.9136433939 E-18	2.2396934830 E-20
3.75	9.2367029607 E-11	-6.7132711739 E-13	4.0409121986 E-15	-2.0510897911 E-17	8.9211478494 E-20
4.00	2.0083678155 E-10	-1.6688701345 E-12	1.1375016808 E-14	-6.5719614731 E-17	3.2510829212 E-19
4.25	4.1670010083 E-10	-3.8904176412 E-12	3.0080687422 E-14	-1.9620153334 E-16	1.0957326339 E-18
4.50	8.2944786980 E-10	-8.6833222019 E-12	7.5265590591 E-14	-5.5039614972 E-16	3.4461865076 E-18
4.75	1.5910796939 E-9	-1.8558155605 E-11	1.7925986922 E-13	-1.4606461998 E-15	1.0190318079 E-17
5.00	2.9524548229 E-9	-3.8160925274 E-11	4.0846150443 E-13	-3.6880001970 E-15	2.8510644741 E-17
5.25	5.3170647526 E-9	-7.5776315388 E-11	8.9429598816 E-13	-8.9028575571 E-15	7.5883720381 E-17
5.50	9.3190081458 E-9	-1.4577848162 E-10	1.8883885646 E-12	-2.0633894705 E-14	1.9303495780 E-16
5.75	1.5934045998 E-8	-2.7247363317 E-10	3.8581859485 E-12	-4.6081220658 E-14	4.7121876532 E-16
6.00	2.6635210388 E-8	-4.9601584395 E-10	7.6485516718 E-12	-9.9479539700 E-14	1.1077402153 E-15
6.25	4.5607618539 E-8	-8.8134151928 E-10	1.4748842261 E-11	-2.0816989803 E-13	2.5154984020 E-15
6.50	7.0040998375 E-8	-1.5314309976 E-9	2.7723479821 E-11	-4.2329345995 E-13	5.3330547127 E-15
6.75	1.1052306249 E-7	-2.606819881 E-9	5.0898499057 E-11	-8.3820251416 E-13	1.1817089143 E-14
7.00	1.7156238088 E-7	-4.3527987894 E-9	9.1426185399 E-11	-1.6195008596 E-12	2.4558159913 E-14
7.25	2.6227590775 E-7	-7.1403978434 E-9	1.6092091383 E-10	-3.0583731394 E-12	4.9757366964 E-14
7.50	3.9526392190 E-7	-1.1520544505 E-8	2.7792664175 E-10	-5.6539534287 E-12	9.8456944250 E-14
7.75	5.8786394063 E-7	-1.3301714699 E-8	4.7158906735 E-10	-1.0246487202 E-11	1.9056348315 E-13
8.00	8.6342524078 E-7	-2.8655271589 E-8	7.8704787481 E-10	-1.8226734180 E-11	3.6128448699 E-13
8.25	1.2533770019 E-6	-4.4258520646 E-8	1.2932564882 E-9	-3.1860487552 E-11	6.7178476873 E-13
8.50	1.7994757471 E-6	-6.7486820173 E-8	2.0941894361 E-9	-5.4784636774 E-11	1.2265537967 E-12
8.75	2.5567515585 E-6	-1.0166914399 E-7	3.3447269150 E-9	-9.2755698487 E-11	2.2012946310 E-12
9.00	3.5971272004 E-6	-1.5142498002 E-7	5.2229308586 E-9	-1.5476553951 E-10	3.8870868721 E-12
9.25	5.0138592773 E-6	-2.2310455469 E-7	8.2109684103 E-9	-2.54468511725 E-10	6.7593988283 E-12
9.50	6.9269450749 E-6	-4.9236912580 E-7	1.2637620671 E-8	-1.365921742 E-10	1.1584577213 E-11
9.75	9.4896515799 E-6	-4.6987347463 E-7	1.9236162129 E-8	-6.6355796919 E-10	1.9582191672 E-11
10.00	1.2896332664 E-5	-6.7229868090 E-7	2.8972333790 E-8	-1.0518998468 E-9	3.2669665793 E-11

TABLE 42 - Prolete Coefficients  $d_{110}$

C	r = 1	r = 3	r = 5	r = 7	r = 9
0.25	4.5783486577 E-15	2.398853197 E-11	1.1766425883 E-7	4.530195869 E-4	9.992738300 E-1
0.50	1.1715900076 E-12	1.5355027289 E-9	1.8821712165 E-6	1.8131953490 E-3	9.9970803413 E-1
0.75	3.0006574397 E-11	1.7482270532 E-8	9.5246218801 E-6	4.2783327854 E-3	9.99333746268 E-1
1.00	2.9944688953 E-10	9.8163197240 E-8	3.0085288686 E-5	7.2461022296 E-3	9.9880819426 E-1
1.25	1.7826855480 E-9	3.744921541 E-7	7.3395954257 E-5	1.1314077511 E-2	9.9810978614 E-1
1.50	7.6538331544 E-9	1.1160523213 E-6	1.5205455222 E-4	1.6278049291 E-2	9.9722884916 E-1
1.75	2.6223141114 E-8	2.819526162 E-6	2.8139147987 E-4	2.2132936699 E-2	9.9614907661 E-1
2.00	7.6159847764 E-8	6.250667814 E-6	4.7942677679 E-4	2.8872479972 E-2	9.9485128055 E-1
2.25	1.9494998965 E-7	1.2658037400 E-5	7.6681719219 E-4	3.6489114479 E-2	9.9331343632 E-1
2.50	4.5167668715 E-7	2.3774262712 E-5	1.1667919901 E-3	4.4973826646 E-2	9.9151073583 E-1
2.75	9.6533306938 E-7	4.2030326486 E-5	1.7050762293 E-3	5.4315992350 E-2	9.8941565066 E-1
3.00	1.9299793631 E-6	7.0679595858 E-5	2.407999310 E-3	6.4503198515 E-2	9.8699800572 E-1
3.25	3.6481315224 E-6	1.1596278701 E-4	3.3113917411 E-3	7.5521048731 E-2	9.8422504473 E-1
3.50	6.5730144590 E-6	1.7727997622 E-4	4.4424551353 E-3	8.7352953868 E-2	9.8106162851 E-1
3.75	1.1366723302 E-5	2.6737144586 E-4	5.8376254310 E-3	9.9979908820 E-2	9.7747014735 E-1
4.00	1.8958905590 E-5	3.9250550148 E-4	7.5334055910 E-3	1.1338025670 E-1	9.7341084888 E-1
4.25	3.0635299767 E-5	5.6267111440 E-4	9.5679787610 E-3	1.2752944188 E-1	9.6884188268 E-1
4.50	4.8129334332 E-5	7.8977293288 E-4	1.1980995399 E-2	1.4239975366 E-1	9.6371948310 E-1
4.75	7.3734600652 E-5	1.0878258609 E-3	1.4813332807 E-2	1.5796006246 E-1	9.5799815193 E-1
5.00	1.1043335339 E-4	1.4731460272 E-3	1.8104824826 E-2	1.7417555061 E-1	9.5163086225 E-1
5.25	1.6204225860 E-4	1.9645345520 E-3	2.1903959487 E-2	1.9100744017 E-1	9.4456928518 E-1
5.50	2.3375339282 E-4	2.5834500711 E-3	2.6247542370 E-2	2.0843272049 E-1	9.3676404106 E-1
5.75	3.3042399004 E-4	3.3541654863 E-3	3.1180323548 E-2	2.2634387839 E-1	9.2816497661 E-1
6.00	4.6055182915 E-4	4.3039038820 E-3	3.6744586006 E-2	2.4474863434 E-1	9.1872146964 E-1
6.25	6.3270444640 E-4	5.4629479795 E-3	4.2981693580 E-2	2.6356968804 E-1	9.0838276284 E-1
6.50	8.5762953893 E-4	6.8647168906 E-3	4.9931596612 E-2	2.8274447756 E-1	8.9709832814 E-1
6.75	1.1481049912 E-3	8.548032808 E-3	5.7632953674 E-2	3.0220495613 E-1	8.8481826300 E-1
7.00	1.5191659040 E-3	1.0545963367 E-2	6.6119247991 E-2	3.218739131 E-1	8.7144371995 E-1
7.25	1.9883528324 E-3	1.2908051454 E-2	7.5424757427 E-2	3.4168219163 E-1	8.5707737049 E-1
7.50	2.5758901480 E-3	1.5677889968 E-2	8.5577277263 E-2	3.6153376603 E-1	8.4152390543 E-1
7.75	3.3049260379 E-3	1.8904065178 E-2	9.6600695395 E-2	3.8134042231 E-1	8.2479057187 E-1
8.00	4.2016841467 E-3	2.2637638076 E-2	1.0851356007 E-1	4.010031087 E-1	8.0683774464 E-1
8.25	5.2955992857 E-3	2.6931759134 E-2	1.2132826094 E-1	4.2042142103 E-1	7.8762954341 E-1
8.50	6.6193959984 E-3	3.1841175076 E-2	1.3505016500 E-1	4.3948163786 E-1	7.6713448333 E-1
8.75	8.2090991405 E-3	3.7421615333 E-2	1.4967671011 E-1	4.5806886857 E-1	7.4532616917 E-1
9.00	1.0103960072 E-2	4.3729045690 E-2	1.6519446033 E-1	4.7606124858 E-1	7.2218403077 E-1
9.25	1.2346280677 E-2	5.081876869 E-2	1.8158812909 E-1	4.933343931 E-1	6.9769410121 E-1
9.50	1.4981116369 E-2	5.8744416722 E-2	1.9881957942 E-1	5.0974703155 E-1	6.7184983861 E-1
9.75	1.8055838700 E-2	6.7556656524 E-2	2.168481377 E-1	5.2517107090 E-1	6.4465299218 E-1
10.00	2.1619538447 E-2	7.7301884993 E-2	2.3561297118 E-1	5.3946272464 E-1	6.1611451227 E-1

TABLE 42a - Proleto Coefficients  $d_f^{110}$

C	r=11	r=13	r=15	r=17	r=19
0.25	-3.0941091819 E -4	4.4692643511 E -8	-4.0277296434 E -12	2.552829318 E -16	-1.2210033983 E -20
0.50	-1.2373684565 E -3	7.1492135900 E -7	-2.5771612118 E -10	6.5400262777 E -14	-1.2500193380 E -18
0.75	-2.7830415273 E -3	3.6179281274 E -6	-2.9344344915 E -9	1.6734971924 E -12	-7.2054731380 E -16
1.00	-4.9450268693 E -3	1.1428394196 E -5	-1.6478806638 E -8	1.6727121560 E -11	-1.2788403854 E -14
1.25	-7.7213219308 E -3	2.7882284208 E -5	-6.2818552441 E -8	9.9632775673 E -11	-1.1901898873 E -13
1.50	-1.1109287016 E -2	5.7768082550 E -5	-1.8741746061 E -7	4.2804179047 E -10	-7.3631191667 E -13
1.75	-1.5105596811 E -2	1.0691527680 E -4	-4.7212526937 E -7	1.4676659998 E -9	-3.4363404789 E -12
2.00	-1.9706181441 E -2	1.8217990230 E -4	-1.0507667091 E -6	4.2664039537 E -9	-1.3047144930 E -11
2.25	-2.4906157246 E -2	2.9142692118 E -4	-2.1273777650 E -6	1.0932344864 E -8	-4.2313009711 E -11
2.50	-3.0699747519 E -2	4.4350916966 E -4	-3.9971421876 E -6	2.5359223197 E -8	-1.2117566429 E -10
2.75	-3.7080193490 E -2	6.4824256778 E -4	-7.0695052608 E -6	5.4271410093 E -8	-3.1379225113 E -10
3.00	-4.4039655890 E -2	9.1637724838 E -4	-1.1894344452 E -5	1.0866848916 E -7	-7.4775688394 E -10
3.25	-5.1569107511 E -2	1.2595642246 E -3	-1.9188259671 E -5	2.0575678871 E -7	-1.6616852346 E -9
3.50	-5.968217208 E -2	1.6903171811 E -3	-2.9867540249 E -5	3.7146184254 E -7	-3.4793201140 E -9
3.75	-6.8295225913 E -2	2.2219689391 E -3	-4.5076995308 E -5	6.4362153482 E -7	-6.9208671411 E -9
4.00	-7.7466815251 E -2	2.8686221178 E -3	-6.6224956685 E -5	1.0759445509 E -6	-1.3164779611 E -8
4.25	-8.7157969507 E -2	3.6450934835 E -3	-9.5017929290 E -5	1.7429825997 E -6	-2.4076954426 E -8
4.50	-9.7351831722 E -2	4.5668514548 E -3	-1.3349673056 E -4	2.7458075766 E -6	-4.2527372558 E -8
4.75	-1.0802955485 E -1	5.6499462116 E -3	-1.8407353240 E -4	4.2192064135 E -6	-7.2018690247 E -8
5.00	-1.1917014903 E -1	6.910318397 E -3	-2.4956948623 E -4	6.3398052777 E -6	-1.21255666288 E -7
5.25	-1.3075032604 E -1	8.3667799298 E -3	-3.325257732 E -4	9.3356571763 E -6	-1.9488910298 E -7
5.50	-1.4274434233 E -1	1.0034784045 E -2	-4.38817531641 E -4	1.3497255938 E -5	-3.1247346036 E -7
5.75	-1.5512384202 E -1	1.1932454472 E -2	-5.7071183677 E -4	1.9190104191 E -5	-4.8568269906 E -7
6.00	-1.6785770135 E -1	1.4077402680 E -2	-7.3359392128 E -4	2.6868927842 E -5	-7.4063312487 E -7
6.25	-1.8091187646 E -1	1.6487214911 E -2	-9.3294543807 E -4	3.7093623874 E -5	-1.1097840515 E -6
6.50	-1.9424925626 E -1	1.9179314382 E -2	-1.1748146135 E -3	5.0547014940 E -5	-1.6362376390 E -6
6.75	-2.0782952256 E -1	2.2170811556 E -2	-1.4659035191 E -3	6.8054469255 E -5	-2.3765778167 E -6
7.00	-2.2160901961 E -1	2.5479342023 E -2	-1.8135940915 E -3	9.0605425913 E -5	-3.4042548165 E -6
7.25	-2.354063552 E -1	2.9117891560 E -2	-2.225699457 E -3	1.1937684376 E -4	-4.8136403784 E -6
7.50	-2.4957369822 E -1	3.3104607958 E -2	-2.7118331739 E -3	1.5575856575 E -4	-6.72482889942 E -6
7.75	-2.6365388865 E -1	3.7452599323 E -2	-3.2807152549 E -3	2.0138055977 E -4	-9.2892824555 E -6
8.00	-2.7772317445 E -1	4.2174718550 E -2	-3.9428811163 E -3	2.5814196048 E -4	-1.2696418236 E -5
8.25	-2.917976721 E -1	4.7282333773 E -2	-4.70923253097 E -3	3.2824179348 E -4	-1.7181244575 E -5
8.50	-3.0557810704 E -1	5.2785084656 E -2	-5.5917591560 E -3	4.1212121243 E -4	-2.3033164177 E -5
8.75	-3.1922887844 E -1	5.8696244446 E -2	-6.6025876079 E -3	5.1894701896 E -4	-3.0606013681 E -5
9.00	-3.3259906170 E -1	6.5008347798 E -2	-7.7548744449 E -3	6.4574616305 E -4	-4.0329514943 E -5
9.25	-3.4561202504 E -1	7.1729104501 E -2	-9.0625942635 E -3	7.9834083442 E -4	-5.2722189672 E -5
9.50	-3.5818766312 E -1	7.8864899352 E -2	-1.0539069546 E -2	9.8093365049 E -4	-6.8405504264 E -5
9.75	-3.7024258869 E -1	8.6408578652 E -2	-1.2199890895 E -2	1.1982323188 E -3	-8.8121564977 E -5
10.00	-3.8169038541 E -1	9.4353504128 E -2	-1.4059818272 E -2	1.4554829974 E -3	-1.1274791334 E -4

TABLE 42b - Prolete Coefficients d<sub>1</sub>1.10

C	r=21	r=23	r=25	r=27	r=29
0.25	4.5909070459 E-25	-1.4009493297 E-29	2.3267197535 E-29	-2.9479377351 E-30	1.3337935027 E-29
0.50	1.8799998850 E-21	-2.2947812650 E-25	1.5276902389 E-26	-5.2261128789 E-28	5.1090015571 E-28
0.75	2.4382896883 E-19	-6.6965420608 E-23	1.5234175903 E-24	-2.8990474856 E-26	1.1138401323 E-26
1.00	7.6933523699 E-18	-3.7562763683 E-21	5.4084921617 E-23	-7.7116570232 E-25	1.6074006299 E-25
1.25	1.1187538375 E-16	-8.5348435168 E-20	9.909499965 E-22	-1.2352480434 E-23	1.6930357757 E-23
1.50	9.9664783565 E-16	-1.0948746879 E-18	1.1757642023 E-20	-1.3649242997 E-22	1.3903509316 E-23
1.75	6.3309541315 E-15	-9.4664002540 E-18	9.9469748553 E-20	-1.1357671398 E-21	9.3401540987 E-23
2.00	3.1395868765 E-14	-6.1315741917 E-17	6.5398317885 E-19	-7.5560782419 E-21	5.3134542057 E-22
2.25	1.2886562352 E-13	-3.1852402741 E-16	3.524174916 E-18	-4.1944576162 E-20	2.6291318242 E-21
2.50	4.5561283862 E-13	-1.3903290948 E-15	1.6167761079 E-17	-2.0050213155 E-19	1.1551610504 E-20
2.75	1.4276186875 E-12	-5.2713526919 E-15	6.4940265383 E-17	-4.1944576162 E-20	4.5812947748 E-20
3.00	4.0486894701 E-12	-1.7791225208 E-14	2.3328903734 E-16	-8.4533181637 E-19	1.6618469742 E-19
3.25	1.0559300332 E-11	-5.4457426777 E-14	7.6203750150 E-16	-3.2024607398 E-18	5.5737378141 E-19
3.50	2.5642659384 E-11	-1.5337801883 E-13	2.2932780175 E-15	-1.1063628857 E-17	1.7439941038 E-18
3.75	5.8555842039 E-11	-4.0207607137 E-13	6.4258124707 E-15	-3.5272432055 E-17	5.1291229813 E-18
4.00	1.2673618020 E-10	-9.9017230155 E-13	1.6910136553 E-14	-1.0479093883 E-16	1.42695537532 E-17
4.25	2.6168042482 E-10	-2.3081163636 E-12	4.2094577155 E-14	-2.9245833844 E-16	3.7756129176 E-17
4.50	5.1822181850 E-10	-5.1247416817 E-12	9.9717741800 E-14	-7.7195076359 E-16	9.5456595175 E-17
4.75	9.8875527741 E-10	-1.0895187813 E-11	2.2593941094 E-13	-1.9381281191 E-15	2.3153246028 E-16
5.00	1.8245024039 E-9	-2.2277985692 E-11	4.9177673410 E-13	-4.6511614140 E-15	5.4071125453 E-16
5.25	3.2665868528 E-9	-4.3978766015 E-11	1.0320976895 E-12	-1.0713949085 E-14	1.2195032560 E-15
5.50	5.6905291879 E-9	-8.4091793715 E-11	2.0953418729 E-12	-2.3775365232 E-14	2.6635481804 E-15
5.75	9.6687929161 E-9	-1.5618386712 E-10	4.1266292347 E-12	-5.0988577764 E-14	5.6474280004 E-15
6.00	1.6057245400 E-8	-2.8246354106 E-10	7.9034691966 E-12	-1.05737334908 E-13	1.1649071611 E-14
6.25	2.6112865533 E-8	-4.9850874083 E-10	1.4752672928 E-11	-2.1397659621 E-13	2.3421862000 E-14
6.50	4.1651761981 E-8	-8.6019547836 E-10	2.6890312763 E-11	-4.2045768415 E-13	4.5962899141 E-14
6.75	6.5258589481 E-8	-1.45336888039 E-9	4.7944966824 E-11	-8.0613004796 E-13	8.6206684695 E-14
7.00	1.0056079413 E-7	-2.4096350967 E-9	8.3749689607 E-11	-1.5118883947 E-12	1.640098204 E-13
7.25	1.5258380897 E-7	-3.9230447584 E-9	1.4352224319 E-10	-2.7777944829 E-12	3.0610569306 E-13
7.50	2.2820638402 E-7	-6.2807905570 E-9	2.4159870276 E-10	-4.9857057938 E-12	5.5413615806 E-13
7.75	3.3673869270 E-7	-9.8991854094 E-9	3.9994581277 E-10	-8.7945559409 E-12	9.8590217473 E-13
8.00	4.9064972708 E-7	-1.5374762366 E-8	6.5175632404 E-10	-1.5248524374 E-11	1.7256341582 E-12
8.25	7.0647478787 E-7	-2.3552179013 E-8	1.0465337147 E-9	-2.592877036 E-11	2.9740715624 E-12
8.50	1.0059385906 E-6	-3.5614130256 E-8	1.6572038521 E-9	-4.3639100582 E-11	5.0512704727 E-12
8.75	1.4173346307 E-6	-5.3199300920 E-8	2.5899579936 E-9	-7.217839027 E-11	8.4610986824 E-12
9.00	1.9772069349 E-6	-7.8555746987 E-8	3.9977419033 E-9	-1.172794759 E-10	1.3987322446 E-11
9.25	2.7323861001 E-6	-1.1473868594 E-7	6.0985688155 E-9	-1.8950700455 E-10	
9.50	3.7424374628 E-6	-1.6586352498 E-7	9.2001594884 E-9	-3.0125744067 E-10	
9.75	5.0825851462 E-6	-2.3742707923 E-7	1.3732814007 E-8	-4.7325019652 E-10	
10.00	6.8471813337 E-6	-3.3671234058 E-7			

TABLE 43 - Oblate Coefficients  $d_{l,0}^0$

C	$\Gamma = 0$	$\Gamma = 2$	$\Gamma = 4$	$\Gamma = 6$	$\Gamma = 8$
0.25	1.0034884296 E 0	6.9824771316 E -3	7.4852500414 E -6	3.3762315135 E -9	8.4177556986 E -13
0.50	1.0141507125 E 0	2.8392744049 E -2	1.2194201998 E -4	2.2017092844 E -7	2.1966938424 E -10
0.75	1.0325967917 E 0	6.5669119298 E -2	6.3619985532 E -4	2.5875840439 E -6	5.8127549192 E -9
1.00	1.0599074068 E 0	1.2137847220 E -1	2.0974919064 E -3	1.5189584607 E -5	6.0714875486 E -8
1.25	1.0977329132 E 0	1.9948314007 E -1	5.4072169849 E -3	6.1292814427 E -5	3.8319520945 E -7
1.50	1.1484336262 E 0	3.0573280851 E -1	1.1982756066 E -2	1.9595482630 E -4	1.7659758162 E -6
1.75	1.2152558524 E 0	4.4818226547 E -1	2.4002481400 E -2	5.3516623399 E -4	6.5709285826 E -6
2.00	1.3025255460 E 0	6.3781391311 E -1	4.4756140524 E -2	1.3050786413 E -3	2.0944438195 E -5
2.25	1.4158282331 E 0	8.8919932579 E -1	7.9115710831 E -2	2.9216206477 E -3	5.9359824949 E -5
2.50	1.56214433765 E 0	1.2211440215 E 0	1.3412687928 E -1	6.1128532443 E -3	1.5328780585 E -4
2.75	1.7499348980 E 0	1.6572889943 E 0	2.1971050167 E -1	1.2097256355 E -2	3.6668965678 E -4
3.00	1.9892596335 E 0	2.2267982954 E 0	3.4947813344 E -1	2.2832088364 E -2	8.2211244273 E -4
3.25	2.2920029469 E 0	2.9653768620 E 0	5.4171367180 E -1	4.1350225071 E -2	1.7425681976 E -3
3.50	2.6723303723 E 0	3.916864808 E 0	8.2062898867 E -1	7.2213610382 E -2	3.5140408693 E -3
3.75	3.1473918345 E 0	5.1355793011 E 0	1.2180314414 E 0	1.2212530187 E -1	6.7953640635 E -3
4.00	3.738244371 E 0	6.6893449707 E 0	1.7755447003 E 0	2.0075759576 E -1	1.2640217841 E -2
4.25	4.4709993094 E 0	8.6634182607 E 0	2.5475295385 E 0	3.2187096525 E -1	2.2734050256 E -2
4.50	5.3781835890 E 0	1.1165267122 E 1	3.6048793965 E 0	5.0482014466 E -1	3.9690853565 E -2
4.75	6.5004146248 E 0	1.4330533214 E 1	5.0399186605 E 0	7.657255936 E -1	6.7497338311 E -2
5.00	7.8884402734 E 0	1.8330469821 E 1	6.9727046476 E 0	1.1744028692 E 0	1.1213963906 E -1
5.25	9.6056799153 E 0	2.3381280035 E 1	9.5591258814 E 0	1.7494781830 E 0	1.8248513619 E -1
5.50	1.1731398243 E 1	2.9755880983 E 1	1.3001303156 E 1	2.5716148062 E 0	2.9151448051 E -1
5.75	1.4364683420 E 1	3.7798751214 E 1	1.7560943260 E 1	3.7355736525 E 0	4.5803217354 E -1
6.00	1.7629441126 E 1	4.7944686165 E 1	2.3576477314 E 1	5.3693735479 E 0	7.0902845162 E -1
6.25	2.1680668889 E 1	6.0742501251 E 1	3.1485048001 E 1	7.6452472174 E 0	1.0829243462 E 0
6.50	2.6712342769 E 1	7.6884995845 E 1	4.1850706675 E 1	1.0794053646 E 1	1.6340103770 E 0
6.75	3.2967334450 E 1	9.7246839324 E 1	5.5400560591 E 1	1.5124205491 E 1	2.4384935982 E 0
7.00	4.0749885740 E 1	1.22932268189 E 2	7.3071095095 E 1	2.1046487737 E 1	3.6027058182 E 0
7.25	5.0441305197 E 1	1.5533675286 E 2	9.6067514792 E 1	2.9106555074 E 1	5.2742084561 E 0
7.50	6.2519725749 E 1	1.9622151894 E 2	1.2593973875 E 2	4.0027427921 E 1	7.6567706857 E 0
7.75	7.7584982207 E 1	2.4781267516 E 2	1.6467969535 E 2	5.4764995875 E 1	1.1030515604 E 1
8.00	9.6389945731 E 1	3.1292288212 E 2	2.1484585285 E 2	7.4580428234 E 1	1.5778948125 E 1
8.25	1.1988000395 E 2	3.9510691023 E 2	2.7972257047 E 2	1.0113454268 E 2	2.2425129456 E 1
8.50	1.4924282009 E 2	4.9885828640 E 2	3.6352359543 E 2	1.3661067089 E 2	3.1679987340 E 1
8.75	1.8597106686 E 2	6.2987106686 E 2	4.7165463195 E 2	1.8387448065 E 2	4.4506702010 E 1
9.00	2.3194154209 E 2	7.9529110663 E 2	6.1104314821 E 2	2.4668169439 E 2	6.2206354759 E 1
9.25	2.8951497366 E 2	1.0042913653 E 3	7.9056833429 E 2	3.2994784311 E 2	8.6531659664 E 1
9.50	3.6166195971 E 2	1.2682096581 E 3	1.0216043992 E 3	4.4009832269 E 2	1.1983773765 E 2
9.75	4.5212193274 E 2	1.6017355023 E 3	1.3187173631 E 3	5.8552234064 E 2	1.6528168918 E 2
10.00	5.6560386110 E 2	2.0232191936 E 3	1.7005555487 E 3	7.7716120175 E 2	2.2708637750 E 2



TABLE 43a - Obtain Coefficients 4.0

C	r=10	r=12	r=14	r=16	r=18
0.25	1.3327995108 E-16	1.4594C56603 E-20	1.1711859834 E-24	7.1846417280 E-29	9.3033880475 E-28
0.50	1.3916144291 E-13	6.0944239508 E-17	1.9572579967 E-20	4.8032586749 E-24	1.4214544233 E-24
0.75	8.2890800797 E-10	8.1729788545 E-15	5.9052205833 E-18	3.2617707890 E-19	2.6410015075 E-22
1.00	1.5400920363 E-10	2.7006831795 E-13	3.4700592212 E-16	3.4077078980 E-19	1.5553745442 E-20
1.25	1.5197702511 E-9	4.1660620840 E-12	8.3667672941 E-15	1.2841558193 E-17	4.4470854092 E-19
1.50	1.0092520407 E-8	3.9858049770 E-11	1.1530891151 E-13	2.5491926959 E-16	7.7439721374 E-18
1.75	5.1144856718 E-8	2.7504126520 E-10	1.0833663076 E-12	3.2637235056 E-15	9.39486662673 E-17
2.00	2.1302161177 E-7	1.4967131691 E-9	7.7019184362 E-12	3.0282877020 E-14	6.6506682928 E-16
2.25	7.4423963417 E-7	6.7967282012 E-9	4.4269117471 E-11	2.2030818048 E-13	6.4025070475 E-15
2.50	2.4359543254 E-6	2.6741500644 E-8	2.1500487582 E-10	1.3208410516 E-12	
2.75	7.0460315123 E-6	9.3546615421 E-8	9.0972606421 E-10	6.7603471262 E-12	3.9641507038 E-14
3.00	1.8776293871 E-5	2.9640033803 E-7	3.4286210664 E-9	3.0300461685 E-11	2.1136041990 E-13
3.25	4.6621382177 E-5	8.6257869888 E-7	1.1694404965 E-9	1.2123930929 E-11	9.919080860 E-13
3.50	1.0883930330 E-4	2.3312879419 E-6	3.6613282289 E-8	4.3969139931 E-10	4.1685426421 E-12
3.75	2.4070221874 E-4	5.9054289475 E-6	1.0629080589 E-7	1.4634151257 E-9	1.5910353621 E-11
4.00	5.075453265 E-4	1.4130229936 E-5	2.8679159204 E-7	4.516890718 E-9	5.5804548128 E-11
4.25	1.021195835 E-3	3.2151260437 E-5	7.4009577910 E-7	1.3044265138 E-8	1.8166962333 E-10
4.50	1.9487817720 E-3	6.9968901928 E-5	1.8009716133 E-6	3.5514112369 E-8	5.536080404 E-9
4.75	3.7670692551 E-3	1.4636294670 E-4	4.1853570731 E-6	9.1749335004 E-8	1.5904637335 E-9
5.00	6.894334751 E-3	2.955246877 E-4	9.3348289395 E-6	2.2617698772 E-7	4.3361874364 E-9
5.25	1.2291248092 E-2	5.7827019943 E-4	2.0066556367 E-5	5.3458517299 E-7	1.1274854886 E-8
5.50	2.1403966232 E-2	1.0997582812 E-3	4.172774496 E-5	1.2164866144 E-6	2.8092417697 E-8
5.75	3.6493020508 E-2	2.0366382365 E-3	8.4204370798 E-5	2.6747220310 E-6	6.7340816684 E-8
6.00	6.1042477245 E-2	3.6923827182 E-3	1.6536174820 E-4	5.7001832731 E-6	1.5584434034 E-7
6.25	1.0035477993 E-1	6.5480553679 E-3	3.1677289918 E-4	1.1806641554 E-5	3.4926183982 E-7
6.50	1.6240852199 E-1	1.1390799676 E-2	5.9321069627 E-4	2.3825205551 E-5	7.6001740169 E-7
6.75	2.5908632784 E-1	1.9469834075 E-2	1.0880150537 E-3	4.6940031643 E-5	1.6096460772 E-6
7.00	4.0792091443 E-1	3.2744959469 E-2	1.9577199373 E-3	9.0462075930 E-5	3.3251433389 E-6
7.25	6.3456310593 E-1	5.4258415874 E-2	3.4610004524 E-3	1.7081943130 E-4	6.7120510174 E-6
7.50	9.7625122370 E-1	8.8680894140 E-2	6.0193747145 E-3	3.1652648450 E-4	1.3261845750 E-5
7.75	1.4866637450 E 0	1.4311384504 E-1	1.0312447084 E-2	5.7633248563 E-4	2.5687018187 E-5
8.00	2.2426755854 E 0	2.2825769150 E-1	1.7423350944 E-2	1.0324212270 E-3	4.8840199431 E-5
8.25	3.3537250189 E 0	3.6010223835 E-1	2.9045176452 E-2	1.8215522430 E-3	4.8840199431 E-5
8.50	4.9747493532 E 0	5.6235815480 E-1	4.7840588593 E-2	3.1685482049 E-3	1.6782842711 E-4
8.75	7.3239845628 E 0	8.693518084 E-1	7.7908409914 E-2	5.438881708 E-3	3.0396382262 E-4
9.00	1.0707375974 E 1	1.333822088 E 0	1.2552268735 E-1	9.220051723 E-3	5.4275912920 E-4
9.25	1.5551950790 E 1	2.0244867673 E 0	2.0023251466 E-1	1.5450442529 E-2	9.5429734135 E-4
9.50	2.2451311279 E 1	3.0488723598 E 0	3.1642955870 E-1	2.5606904406 E-2	1.6638744361 E-4
9.75	3.2327481982 E 1	4.5833438043 E 0	4.9567224619 E-1	4.2002831240 E-2	2.8609094837 E-4
10.00	4.6014777827 E 1	6.8224820044 E 0	7.7003939202 E-1	6.8229003819 E-2	4.8644424197 E-4

TABLE 436 -- Oblate Coefficients  $f_1^{0,0}$

C	r=20	r=22	r=24	r=26	r=28
0.25					
0.50					
0.75					
1.00					
1.25					
1.50					
1.75					
2.00					
2.25					
2.50					
2.75					
3.00					
3.25					
3.50					
3.75					
4.00					
4.25					
4.50					
4.75					
5.00					
5.25					
5.50					
5.75					
6.00					
6.25					
6.50					
6.75					
7.00					
7.25					
7.50					
7.75					
8.00					
8.25					
8.50					
8.75					
9.00					
9.25					
9.50					
9.75					
10.00					
	5.0143636478 E-28 1.6565083873 E-25 1.5245931909 E-23 6.2781630829 E-22 1.4882717246 E-20 2.3585297745 E-19 2.7486651961 E-18 2.5113504302 E-17  1.8810881750 E-16 1.1931893230 E-15 6.5684043048 E-15 3.1992418679 E-14 1.4005544595 E-13 5.5835024675 E-13 2.0495849724 E-12 6.9928382929 E-12 2.2353499565 E-11 6.7408896733 E-11  1.9289667544 E-10 5.2647020401 E-10 1.3765015730 E-9 3.4609852119 E-9 8.3965733925 E-9 1.9713693600 E-8 4.4908985751 E-8 9.9496294461 E-8 2.1482728760 E-7 4.5288476235 E-7  9.3374320189 E-7 1.8656620071 E-6 3.7349978421 E-6 7.2651771670 E-6 1.3893857661 E-5 2.6149859565 E-5 4.8483846404 E-5 8.8630739126 E-5 1.5987430883 E-4 2.8477450338 E-4  8.5814968999 E-29 1.2342546152 E-26 7.3199577432 E-25 2.3621523754 E-23 4.8897985418 E-22 7.2125672753 E-21 8.1351911687 E-20  7.3719550111 E-19 5.5633284383 E-18 3.5927337845 E-17 2.0283179038 E-16 1.0186113073 E-15 4.6164214830 E-15 1.9111580779 E-14 7.3021092185 E-14 2.5975506439 E-13 8.6675393164 E-13  2.7304627927 E-12 8.1657186667 E-12 2.3294791268 E-11 6.3657484080 E-11 1.6724781749 E-10 4.2383333309 E-10 1.0389503749 E-9 2.4698056052 E-9 5.7066831835 E-9 1.2842228514 E-8  2.8198551277 E-8 6.0514586589 E-8 1.2711299127 E-7 2.6170193716 E-7 5.287879738 E-7 1.0495651320 E-6 2.048810190 E-6 3.9377609741 E-6 7.4563308778 E-6 1.3922508267 E-5  8.3919668106 E-30 7.1677507139 E-28 3.1486403618 E-26 8.5138043558 E-25 1.5894203616 E-23 2.2131520911 E-22  2.4263391989 E-21 2.1785859276 E-20 1.6505677449 E-19 1.0802048768 E-18 6.2236565197 E-18 3.2069307437 E-17 1.4975400349 E-16 6.4086829045 E-16 2.5374122994 E-15 9.3707425456 E-15  3.2504716159 E-14 1.0654188459 E-13 3.3171154524 E-13 9.8546350102 E-13 2.8047173297 E-12 7.6741180734 E-12 2.6249091030 E-11 5.1667504709 E-11 1.278069821 E-10 3.0712204075 E-10  7.1847741045 E-10 1.6391492309 E-9 3.6528593456 E-9 7.9633931128 E-9 1.7005882334 E-8 3.5618113505 E-8 7.3249343027 E-8 1.4806357036 E-7 2.9445529446 E-7 5.7663399400 E-7  8.9780354241 E-31 3.5746423224 E-29 1.2625418734 E-27 2.9831519824 E-26 5.1279680421 E-25  6.8017313043 E-24 7.2665623465 E-23 6.4591950763 E-22 4.9005270267 E-21 3.2395440068 E-20 1.8981132300 E-19 9.999081788 E-19 4.793446269 E-18 2.1127197150 E-17 8.6366970910 E-17  3.2993619298 E-16 1.1855046606 E-15 4.0291189134 E-15 1.3015935766 E-14 4.0138704312 E-14 1.1860826940 E-13 3.3696319827 E-13 9.2311746349 E-13 2.4450704103 E-12 6.2165273987 E-12  1.5648460404 E-11 3.7965441847 E-11 8.9790791262 E-11 2.0734536344 E-10 4.681747024 E-10 1.035021222 E-9 2.2431051334 E-9 4.7708354784 E-9 9.9685598656 E-9 2.0482241594 E-8  1.6138041677 E-30 4.8260493809 E-29 1.0241491875 E-27  1.6435319705 E-26 2.0892297383 E-24 2.1789347596 E-24 1.9165675457 E-23 1.4537909431 E-22 9.6864523143 E-22 5.7569663776 E-21 3.0918984475 E-20 1.5172012329 E-19 6.8664019363 E-19  2.8892416273 E-18 1.1382174474 E-17 4.2234723521 E-17 1.4838753279 E-16 4.9591424417 E-16 1.5829122160 E-15 4.8429024462 E-15 1.4247484374 E-14 4.0419514971 E-14 1.1085967579 E-13  2.9463493164 E-13 7.6037022289 E-13 1.9090353791 E-12 4.6708345982 E-12 1.1154365186 E-11 2.6036665124 E-11 5.9461885589 E-11 1.3315753326 E-10 2.9242198670 E-10 6.3061203424 E-10				

TABLE 44 - Ordinate Coefficients 4.01

C	r=1	r=3	r=5	r=7	r=9
0.25	1.0037586680 E 0	2.5079986668 E -3	1.7768290685 E -6	6.0394282762 E -10	1.2110301475 E -13
0.50	1.0151391957 E 0	1.0128593729 E -2	2.8684291992 E -5	3.8985588050 E -8	3.1242963749 E -11
0.75	1.0344589656 E 0	1.315622106 E -2	1.4738713798 E -4	4.5044746828 E -7	8.1244281003 E -10
1.00	1.0622597310 E 0	4.2097199877 E -2	4.7557110185 E -4	2.5816704584 E -6	8.2735711612 E -9
1.25	1.0993270578 E 0	6.7693731551 E -2	1.1922729486 E -3	1.0101141366 E -5	5.0543465301 E -8
1.50	1.1467180978 E 0	1.0095866965 E -1	2.5532773265 E -3	3.102260347 E -5	2.2389041514 E -7
1.75	1.2057983071 E 0	1.4322228412 E -1	4.9125357486 E -3	8.1293455010 E -5	7.9555326178 E -7
2.00	1.2782880166 E 0	1.9619267439 E -1	8.7508707606 E -3	1.8869006717 E -4	2.4082280423 E -6
2.25	1.3663201431 E 0	2.6203200569 E -1	1.4713575512 E -2	4.0037013348 E -4	6.4554156565 E -6
2.50	1.4725110982 E 0	3.4345145171 E -1	2.3658934311 E -2	7.9203747001 E -4	1.5731614991 E -5
2.75	1.6000471765 E 0	4.4382865576 E -1	3.6720216528 E -2	1.4813604941 E -3	3.5509831563 E -5
3.00	1.7527908391 E 0	5.6735275752 E -1	5.5384390745 E -2	2.6463387309 E -3	7.5265340749 E -5
3.25	1.9354110884 E 0	7.1920356174 E -1	8.1591731344 E -2	4.5503127220 E -3	1.5135162236 E -4
3.50	2.1535445457 E 0	9.0577330672 E -1	1.1786170759 E -1	7.5757070549 E -3	2.9108096928 E -4
3.75	2.4139946814 E 0	1.1349416942 E 0	1.6745211207 E -1	1.229218773 E -2	5.3873773927 E -4
4.00	2.7249783259 E 0	1.4164174367 E 0	2.3456035766 E -1	1.9401980928 E -2	9.6444770206 E -4
4.25	3.0964303370 E 0	1.7621626655 E 0	3.2457832175 E -1	3.0049298887 E -2	1.6749021544 E -3
4.50	3.5403794878 E 0	2.1869203095 E 0	4.4441514862 E -1	4.5695942596 E -2	2.8415068237 E -3
4.75	4.0714114489 E 0	2.7088692434 E 0	6.0290619027 E -1	6.8374766239 E -2	4.7059664076 E -3
5.00	4.7072383673 E 0	3.3504379063 E 0	8.1133098312 E -1	1.0094872727 E -1	7.6360453600 E -3
5.25	5.4693991906 E 0	4.1393145367 E 0	1.0840690966 E 0	1.4684933230 E -1	1.2145178597 E -2
5.50	6.3841207334 E 0	5.1097015384 E 0	1.4394301495 E 0	2.1138833269 E -1	1.906284281 E -2
5.75	7.4833767891 E 0	6.3038732332 E 0	1.9007040914 E 0	3.0116436608 E -1	2.9428266581 E -2
6.00	8.8061916539 E 0	7.7741109474 E 0	2.4974887352 E 0	4.2509249661 E -1	4.4818123446 E -2
6.25	1.0400245656 E 1	9.5851077255 E 0	3.2673687526 E 0	5.949263602 E -1	6.741984526 E -2
6.50	1.2323854201 E 1	1.1816957872 E 1	4.2580372328 E 0	8.2448312784 E -1	1.0028068819 E -1
6.75	1.4648409097 E 1	1.4568875142 E 1	5.5299761723 E 0	1.1401389838 E 0	1.4744961201 E -1
7.00	1.7461392380 E 1	1.7963819139 E 1	7.1598430575 E 0	1.5629911859 E 0	2.1534633391 E -1
7.25	2.0870099496 E 1	2.2154254188 E 1	9.2447482682 E 0	2.1304651448 E 0	3.113842381 E -1
7.50	2.5006241903 E 1	2.7329320843 E 1	1.1907657336 E 1	2.8888841630 E 0	4.4469187737 E -1
7.75	3.0031640440 E 1	3.3723770095 E 1	1.5304212557 E 1	3.8986992669 E 0	6.3613000115 E -1
8.00	3.6145272296 E 1	4.1629097896 E 1	1.9251349270 E 1	5.2386522159 E 0	8.9942038763 E -1
8.25	4.3591998569 E 1	5.1407427149 E 1	2.5136168508 E 1	7.0111366010 E 0	1.2649135308 E 0
8.50	5.2673379384 E 1	6.3508821533 E 1	3.2139673439 E 1	9.3490962310 E 0	1.7679198159 E 0
8.75	6.3761083340 E 1	7.8492887390 E 1	4.1034104764 E 1	1.2424894936 E 1	2.4577893364 E 0
9.00	7.7313522557 E 1	9.7055735244 E 1	5.2324829167 E 1	1.6461713204 E 1	3.3999636705 E 0
9.25	9.3896500046 E 1	1.2006364239 E 2	6.6447971980 E 1	2.1748181966 E 1	4.6817039142 E 0
9.50	1.1420885021 E 2	1.4859509638 E 2	8.4807301885 E 1	2.8657161663 E 1	6.4190840259 E 0
9.75	1.3911429579 E 2	1.8399332336 E 2	1.0781827091 E 2	3.7659827236 E 1	8.7461572320 E 0
10.00	1.6968104737 E 2	2.2793193749 E 2	1.3696361300 E 2	4.9406541953 E 1	1.1926954698 E 1

TABLE 44a - Oblate Coefficients  $d_1^{0,1}$

c	r=11	r=13	r=15	r=17	r=19
0.25	1.6050576803 E-17	1.5119585055 E-21	1.0648515637 E-25	5.8207620734 E-30	6.7158240255 E-29
0.50	1.6571526758 E-14	6.2434679869 E-18	1.7587347243 E-21	3.8452437098 E-25	1.0056397775 E-25
0.75	9.6872127368 E-13	8.2104289436 E-16	5.2031103344 E-19	2.5593060204 E-22	1.8165340977 E-23
1.00	1.7537422768 E-11	2.6408645030 E-14	2.9746316420 E-17	9.4572919647 E-19	1.0319387203 E-21
1.25	1.6726018373 E-10	3.9353594100 E-13	6.9242430772 E-16	9.4572919647 E-19	2.8247084825 E-20
1.50	1.0662111566 E-9	3.6107097767 E-12	9.1450784407 E-15	1.7981352691 E-17	4.6771369245 E-19
1.75	5.15244370671 E-9	2.3735348531 E-11	8.1787439452 E-14	2.1880645254 E-16	5.3649625608 E-18
2.00	2.0350758717 E-8	1.2235571987 E-10	5.5036862093 E-13	1.9222871380 E-15	4.6521635573 E-17
2.25	6.8955641645 E-8	5.2423215372 E-10	2.9823451176 E-12	1.3176245443 E-14	3.2365015345 E-16
2.50	2.0714833264 E-7	1.9421146064 E-9	1.3628950242 E-11	7.4289401339 E-14	
2.75	5.6476531616 E-7	6.3985581308 E-9	5.4278164538 E-11	3.5771477413 E-13	1.8845097837 E-15
3.00	1.4216243258 E-6	1.9138763727 E-8	1.9298765356 E-10	1.5122422620 E-12	9.4741345614 E-15
3.25	3.3470403873 E-6	5.2789435389 E-8	6.2388118114 E-10	5.7313554984 E-12	4.2104429169 E-14
3.50	7.4447144273 E-6	1.3590167563 E-7	1.8598522874 E-9	1.9791328780 E-11	1.6845655421 E-13
3.75	1.5768142164 E-5	3.2967671031 E-7	5.1702063543 E-9	6.3071226295 E-11	1.1558220873 E-13
4.00	3.2005106016 E-5	7.5935543011 E-7	1.3525667935 E-8	1.8741250254 E-10	2.0785766664 E-12
4.25	6.2577797995 E-5	1.6714243105 E-6	3.3528828859 E-8	5.2364120784 E-10	6.5471532766 E-12
4.50	1.1837369342 E-4	3.5334825801 E-6	7.9274742247 E-8	1.3953837375 E-7	1.9389474490 E-11
4.75	2.1741859082 E-4	7.2063337634 E-6	1.7966485297 E-7	3.4910386348 E-9	5.4347403719 E-11
5.00	3.8893919940 E-4	1.4230941101 E-5	3.9200460933 E-7	8.4207463763 E-9	1.4498696460 E-10
5.25	6.7945125592 E-4	2.7298871104 E-5	8.2649152783 E-7	1.9525963881 E-8	3.6491859168 E-10
5.50	1.1617711860 E-3	5.1008841257 E-5	1.6892958945 E-6	4.3686162439 E-8	9.0639275553 E-10
5.75	1.9482103739 E-3	9.3063711310 E-5	3.3567108086 E-6	9.4610978560 E-8	2.1403832613 E-9
6.00	3.2097047540 E-3	1.6613680662 E-4	6.5003039903 E-6	1.9889770332 E-7	4.8879983447 E-9
6.25	5.2033259312 E-3	2.9074383977 E-4	1.2294453330 E-5	4.0590029273 E-7	1.0822495341 E-8
6.50	8.3114866071 E-3	4.9961017977 E-4	2.2755037650 E-5	8.1184412488 E-7	2.3291459923 E-8
6.75	1.3097517055 E-2	8.4424119831 E-4	4.1284196853 E-5	1.5828327113 E-6	4.8831045129 E-8
7.00	2.0383842990 E-2	1.4047112019 E-3	7.3535016081 E-5	3.0208973429 E-6	9.9926473207 E-8
7.25	3.1361391542 E-2	2.3041187319 E-3	1.2876750687 E-4	5.6527285599 E-6	1.9994820612 E-7
7.50	4.7741868929 E-2	3.7297601927 E-3	2.2195156987 E-4	1.0385229323 E-5	3.9182986316 E-7
7.75	7.1968692807 E-2	5.9639144628 E-3	3.7699534678 E-4	1.8757068701 E-5	7.5308578879 E-7
8.00	1.0750788029 E-1	9.4282961389 E-3	6.315485841 E-4	3.3343233543 E-5	1.421235152 E-6
8.25	1.5924756677 E-1	1.4747843353 E-2	1.04499360052 E-3	5.8398448743 E-5	2.6378389809 E-6
8.50	2.3404466115 E-1	2.2841718558 E-2	1.7081648813 E-3	1.0987001671 E-4	4.818222111 E-6
8.75	3.4147022504 E-1	3.532434332 E-2	2.7614214405 E-3	1.7197698791 E-4	8.6709493577 E-6
9.00	4.9482253911 E-1	5.3328163271 E-2	4.4177665678 E-3	2.8965045482 E-4	1.5387899118 E-5
9.25	7.1249986328 E-1	8.0478943901 E-2	6.9987288225 E-3	4.8327330415 E-4	2.6951582310 E-5
9.50	1.0198554074 E 0	1.2053517965 E-1	1.0985972008 E-2	7.9436698438 E-4	4.6624275139 E-5
9.75	1.4516973678 E 0	1.7924724985 E-1	1.7096099672 E-2	1.2951762376 E-3	7.9720056923 E-5
10.00	2.0556501424 E 0	2.64777915176 E-1	2.6388388744 E-2	2.0915404443 E-3	1.3481316896 E-4

TABLE 44b - Oblate Coefficients  $d_{p,1}$

C	r=21	r=23	r=25	r=27	r=29
0.25	3.2296317200 E-29	4.9245681488 E-30	4.2927184910 E-31	1.5429182960 E-30	1.7262459235 E-30
0.50	1.0370175308 E-26	6.8751098509 E-28	3.5069813234 E-29	5.1456928287 E-29	3.4387500468 E-29
1.00	9.2035320884 E-25	3.6383015911 E-26	1.4633853139 E-27	1.8456854095 E-26	5.1834561989 E-26
1.25	3.6720692434 E-23	1.891765772 E-24	1.4633853139 E-25	1.4059286230 E-22	6.2068308597 E-27
1.50	8.1724654750 E-22	2.327642053 E-23	6.5840990425 E-25	1.143599811 E-27	6.1255532997 E-26
2.00	1.2240401703 E-20	3.2283180474 E-22	8.5834003392 E-24	1.8456854095 E-26	5.1268446514 E-25
2.25	1.1528674550 E-18	3.4204247787 E-21	8.5834003392 E-24	1.8456854095 E-26	3.7222113785 E-24
2.75	6.1182532749 E-18	2.9131330278 E-20	8.8422937915 E-23	2.2999102547 E-25	2.3872826705 E-23
3.00	4.8541903434 E-17	2.0719073247 E-19	7.4810732715 E-22	2.3148617282 E-24	1.3728541646 E-22
3.25	2.5300124777 E-16	1.2666113335 E-18	5.3646649867 E-21	1.9473313471 E-23	1.1667448980 E-22
3.50	1.1730059240 E-15	6.8060501676 E-18	3.3412789610 E-20	1.4059286230 E-22	3.4316087800 E-21
3.75	4.9161492381 E-15	3.2719838102 E-17	1.8427649567 E-19	8.8961345833 E-22	1.5204152960 E-20
4.00	1.8867440230 E-14	1.4275106507 E-16	9.1405994246 E-19	5.0174974522 E-21	6.2803106682 E-20
4.25	6.7012683903 E-14	5.7182137985 E-16	4.1300547871 E-18	2.5575139811 E-20	2.434287800 E-21
4.50	2.2221615757 E-13	2.1244909844 E-15	1.7178985606 E-17	1.1916978670 E-19	7.1667448980 E-22
4.75	6.9299857883 E-13	7.3709699600 E-15	6.6366215376 E-17	5.1251200054 E-19	3.4316087800 E-21
5.00	2.0453850081 E-12	2.4072009819 E-14	2.3992084449 E-16	2.0510224044 E-18	1.5204152960 E-20
5.25	5.7440304294 E-12	7.4427302122 E-14	8.1687369789 E-16	7.6912132510 E-18	6.2803106682 E-20
5.50	1.5419337470 E-11	2.1894854696 E-13	2.6340305180 E-15	2.7188960361 E-17	2.434287800 E-21
5.75	3.9725548397 E-11	6.1555242598 E-13	8.0828470110 E-15	9.1083080727 E-17	8.9029775158 E-19
6.00	9.8573535590 E-11	1.6602955100 E-12	2.3704064912 E-14	2.9048282105 E-16	3.0885934360 E-18
6.25	2.5631202457 E-10	4.3110830716 E-12	6.682809473 E-14	8.850872915 E-16	1.0204420039 E-17
6.50	5.4883368107 E-10	1.0808891886 E-11	1.8033828791 E-13	2.5893364037 E-15	3.2235595655 E-17
6.75	1.2379061503 E-9	2.6238420845 E-11	4.7180479010 E-13	7.286782401 E-15	9.7698172059 E-17
7.00	2.7175406790 E-9	6.1815763773 E-11	1.1932442944 E-12	1.9788654142 E-14	2.8494770168 E-16
7.25	5.8177791485 E-9	1.4164505385 E-10	2.9274681631 E-12	5.1993530149 E-14	8.019727733 E-16
7.50	1.2167398104 E-8	3.1629062443 E-10	6.9817810375 E-12	1.3247327837 E-13	2.1834196747 E-15
7.75	2.4899451735 E-8	6.7946858256 E-10	1.6217387281 E-11	3.2798192249 E-13	5.7632000317 E-15
8.00	4.9929895338 E-8	1.4695181158 E-9	3.6752501660 E-11	7.9054484553 E-13	1.4777894888 E-14
8.25	9.6238179693 E-8	3.0668593004 E-9	8.1389140557 E-11	1.8582161534 E-12	3.687883102 E-14
8.50	1.8987514983 E-7	6.2754054877 E-9	1.7637669941 E-10	4.2661064885 E-12	8.9718734097 E-14
8.75	3.6090979359 E-7	1.2604920468 E-8	3.7452355757 E-10	9.5799021942 E-12	2.1310293790 E-13
9.00	6.7531525655 E-7	2.4880914759 E-8	7.8019042777 E-10	2.1067187155 E-11	4.9488278811 E-13
9.25	1.2450616130 E-6	4.8312437783 E-8	1.5941853806 E-9	4.5428235510 E-11	1.1250658356 E-12
9.50	2.2636939396 E-6	9.2367973234 E-8	3.2104577596 E-9	9.6157059457 E-11	2.5068478128 E-12
9.75	4.0618938456 E-6	1.7403067781 E-7	6.3541432206 E-9	1.9999137370 E-10	5.4805541733 E-12
10.00	7.1983560303 E-6	3.2338209161 E-7	1.2385917300 E-8	4.0909264733 E-10	1.1768028827 E-11

TABLE 45 - Oblate Coefficients  $d_{l,0}^{(2)}$

C	$r=0$	$r=2$	$r=4$	$r=6$	$r=8$
0.25	-1.3893679762 E -3	9.9836676128 E 1	1.5279993626 E -3	8.0384369115 E -7	2.1860108433 E -10
0.50	-5.5625932502 E -3	9.9342731552 E -1	6.0806544962 E -3	1.2794393174 E -5	1.3916733546 E -8
0.75	-1.2530280892 E -2	9.8507252256 E -1	1.3564172941 E -2	6.4209872043 E -5	1.5713579213 E -7
1.00	-2.2293994319 E -2	9.7315515503 E -1	2.3823963619 E -2	2.00483709435 E -4	6.7221704514 E -6
1.25	-3.4821627742 E -2	9.5754520539 E -1	3.6650561321 E -2	4.8199245289 E -4	3.2766269355 E -6
1.50	-5.0013621530 E -2	9.3421055788 E -1	5.1794557290 E -2	9.8134969884 E -4	9.6090370830 E -6
1.75	-6.7664731027 E -2	9.1531741386 E -1	6.8976323733 E -2	1.7812172136 E -3	2.3751947831 E -5
2.00	-8.7432829815 E -2	8.932998519 E -1	8.8035058849 E -2	2.9739694202 E -3	5.1846305744 E -5
2.25	-1.0883374633 E -1	8.6106934969 E -1	1.0879589014 E -1	4.665231416C E -3	1.0309142745 E -4
2.50	-1.3128205643 E -1	8.3168198945 E -1	1.3134358891 E -1	6.9831196775 E -3	1.9093446649 E -4
2.75	-1.5418273282 E -1	8.0249266818 E -1	1.5598262539 E -1	1.0093934909 E -2	3.3497589715 E -4
3.00	-1.7704930921 E -1	7.747798851 E -1	1.8328633913 E -1	1.4223901667 E -2	5.61996227758 E -4
3.25	-1.9961310775 E -1	7.495324205 E -1	2.1409644884 E -1	1.9685749828 E -2	9.2057017550 E -4
3.50	-2.2181869552 E -1	7.2745853207 E -1	2.4951491862 E -1	2.6911268444 E -2	1.4680563633 E -3
3.75	-2.4391545593 E -1	7.0876340387 E -1	2.9091589202 E -1	3.6493246824 E -2	2.3005472930 E -3
4.00	-2.6632227563 E -1	6.9344593535 E -1	3.3999484789 E -1	4.924279012 E -2	3.5580432512 E -3
4.25	-2.8964488104 E -1	6.8128632743 E -1	3.9865814308 E -1	6.6268392671 E -2	5.4484633248 E -3
4.50	-3.1465246233 E -1	6.7193465909 E -1	4.7014760787 E -1	8.9085723957 E -2	8.2801232806 E -3
4.75	-3.4228679246 E -1	6.6493699848 E -1	5.5719071150 E -1	1.1976194218 E -1	1.2508710182 E -2
5.00	-3.7368911124 E -1	6.5971836433 E -1	6.6116253683 E -1	1.6110175128 E -1	1.8803733950 E -2
5.25	-4.1023691113 E -1	6.552623833 E -1	7.9624032432 E -1	2.1687327698 E -1	2.8139676001 E -2
5.50	-4.5358227909 E -1	6.5134036718 E -1	9.5972933621 E -1	2.9206838734 E -1	4.19165861794 E -2
5.75	-5.0568688797 E -1	6.4575701663 E -1	1.1621486873 E 0	3.9318905480 E -1	6.2114076276 E -2
6.00	-5.6885488185 E -1	6.3885771712 E -1	1.4122919830 E 0	5.2855865089 E -1	9.1483277655 E -2
6.25	-6.457737018 E -1	6.296993132 E -1	1.7203101393 E 0	7.0867575879 E -1	1.3378486898 E -1
6.50	-7.3957857821 E -1	5.9801777265 E -1	2.0978797295 E 0	9.4665018249 E -1	1.9408835830 E -1
6.75	-8.5395291502 E -1	5.603484752 E -1	2.5885048065 E 0	1.2587731197 E 0	2.7915598065 E -1
7.00	-9.9327397448 E -1	5.033111884 E -1	3.1179652976 E 0	1.6652710880 E 0	3.9794144614 E -1
7.25	-1.1628027909 E 0	4.2946372219 E -1	3.7948979875 E 0	2.1912846804 E 0	5.6223921438 E -1
7.50	-1.3689202816 E 0	3.0228262102 E -1	4.6114919626 E 0	2.8681105858 E 0	7.8752616633 E -1
7.75	-1.6194131712 E 0	1.3765540664 E -1	5.5942937677 E 0	3.7347533995 E 0	1.0940467844 E 0
8.00	-1.9238191915 E 0	-8.7771281164 E -2	6.7751354238 E 0	4.8398503500 E 0	1.5082063355 E 0
8.25	-2.2938461756 E 0	-3.9221974149 E -1	8.1922128128 E 0	6.2440534882 E 0	2.0643544364 E 0
8.50	-2.7438844719 E 0	-7.9882785724 E -1	9.8913515346 E 0	8.0229784999 E 0	2.8070641979 E 0
8.75	-3.2916369885 E 0	-1.336993228 E 0	1.1927504165 E 1	1.0270857637 E 1	3.7940408467 E 0
9.00	-3.938967657 E 0	-2.0439179472 E 0	1.4366529110 E 1	1.3105067933 E 1	5.0998297800 E 0
9.25	-4.7225088495 E 0	-2.9669455861 E 0	1.7287308347 E 1	1.6671746902 E 1	6.8205394092 E 0
9.50	-5.7655618706 E 0	-4.1659669404 E 0	2.078270041 E 1	2.1152758572 E 1	9.0798514028 E 0
9.75	-6.9788656055 E 0	-5.7168740974 E 0	2.4970392533 E 1	2.6774335459 E 1	1.2036663204 E 1
10.00	-8.4627844599 E 0	-7.7157409402 E 0	2.9986778815 E 1	3.3817800020 E 1	1.5894798919 E 1

TABLE 45e - Oblate Coefficients  $d_1^{02}$

C	$r=10$	$r=12$	$r=14$	$r=16$	$r=18$
0.25	3.6604395101 E-14	4.1681635266 E-18	3.4431759181 E-22	2.1597666285 E-26	1.0643517215 E-30
0.50	9.3210139083 E-12	4.2454523311 E-15	1.4027829186 E-18	3.519588045 E-22	6.9378573742 E-26
0.75	2.3679109554 E-10	4.2565865807 E-13	1.8039942239 E-16	1.0183841127 E-19	4.5167035113 E-23
1.00	2.3365905864 E-9	4.2567992395 E-12	5.6259295379 E-15	9.660368401 E-18	4.4517163037 E-21
1.25	1.3715784860 E-8	3.9043705532 E-11	8.0628560550 E-14	1.2443342392 E-16	1.5576534224 E-19
1.50	5.7929533376 E-8	2.3748475890 E-10	7.4628375708 E-13	1.5948764391 E-15	2.829536552 E-18
1.75	1.9494433998 E-7	1.0881302452 E-9	4.4053001372 E-12	1.3541982703 E-14	3.2704371147 E-17
2.00	5.5617905690 E-7	4.0560076849 E-9	2.145377704 E-11	8.6157184609 E-14	2.7181590914 E-16
2.25	1.4009843499 E-6	1.2939043809 E-8	8.6659526364 E-11	4.4061951983 E-13	1.7598453462 E-15
2.50	3.2078323783 E-6	3.6610595746 E-8	3.0292530510 E-10	1.9025073510 E-12	9.3849530850 E-15
2.75	6.8226291598 E-6	9.4340165184 E-8	9.4541399392 E-10	7.1897359907 E-12	4.2938800837 E-14
3.00	1.3704418699 E-5	2.2589835368 E-7	2.6974146353 E-9	2.443543499 E-11	1.7380208584 E-13
3.25	2.6332487407 E-5	5.1046657874 E-7	7.1644100890 E-9	7.6256230521 E-11	6.3712871704 E-13
3.50	4.8875544219 E-5	1.1015266659 E-6	1.7961694009 E-8	2.202276899 E-10	2.1536749680 E-12
3.75	8.8282288053 E-5	2.2903633306 E-6	4.2959094976 E-8	6.1051301509 E-10	6.806531798 E-12
4.00	1.5604765752 E-4	4.6202365803 E-6	9.8816204433 E-8	1.6004841464 E-9	2.0328745602 E-11
4.25	2.7105726443 E-4	9.0893383953 E-6	2.1997389538 E-7	4.0292438246 E-9	5.7855744222 E-11
4.50	4.6413248463 E-4	1.7507318942 E-5	4.7616569688 E-7	9.7961266795 E-9	1.5792449380 E-10
4.75	7.8520548400 E-4	3.3112841120 E-5	1.0059028952 E-6	2.3100129485 E-8	4.1552599291 E-10
5.00	1.3144459639 E-3	6.1621500040 E-5	2.0792178219 E-6	5.3001737018 E-8	1.0578779671 E-9
5.25	2.1791077652 E-3	1.1298991281 E-4	4.2125152572 E-6	1.1858865375 E-7	2.6129953024 E-9
5.50	3.5783076198 E-3	2.0422071771 E-4	9.3732693817 E-6	2.5909871550 E-7	6.2130997658 E-9
5.75	5.8183715832 E-3	3.6385676971 E-4	1.633398908 E-5	5.5316240039 E-7	1.4652743355 E-8
6.00	9.3619144754 E-3	6.3863172675 E-4	3.127007720 E-5	1.1542555915 E-6	3.331845998 E-8
6.25	1.4894764738 E-2	1.1045467402 E-3	5.8730981535 E-5	2.3541260367 E-6	7.3776874808 E-8
6.50	2.3416530731 E-2	1.8802035907 E-3	1.0820513504 E-4	4.6932876007 E-6	1.5913996740 E-7
6.75	3.6363089035 E-2	3.1503611950 E-3	1.9557160642 E-4	9.1491933738 E-6	3.3458316215 E-7
7.00	5.772384217 E-2	5.1966060254 E-3	3.4690229779 E-4	1.7450532133 E-5	6.8620219233 E-7
7.25	8.4508583638 E-2	8.4426568428 E-3	6.0427982699 E-4	3.2533375505 E-5	1.3743116933 E-6
7.50	1.2656408616 E-1	1.3518540207 E-2	1.0346014412 E-3	5.9676086974 E-5	2.6911549171 E-6
7.75	1.8746463351 E-1	2.1351207266 E-2	1.7427446277 E-3	1.0723142095 E-4	5.1592341531 E-6
8.00	2.7481035815 E-1	3.3291643820 E-2	2.8912276721 E-3	1.8932531762 E-4	9.6962693280 E-6
8.25	3.989955694 E-1	5.1292084550 E-2	4.7267734525 E-3	3.288256920 E-4	1.7888004981 E-5
8.50	5.7416306855 E-1	7.8151704355 E-2	7.6324660946 E-3	5.6243935926 E-4	3.2433489446 E-5
8.75	8.1946540507 E-1	1.178551101 E-1	1.2168397862 E-2	9.4839826002 E-4	5.7863018668 E-5
9.00	1.1607288482 E 0	1.7603961098 E-1	1.9179940002 E-2	1.5780811583 E-3	1.0168276120 E-4
9.25	1.6326383032 E 0	2.6062722926 E-1	2.9908054670 E-2	2.5934397129 E-3	1.7618667533 E-4
9.50	2.2816088147 E 0	3.8269470709 E-1	4.6177589202 E-2	4.2129232707 E-3	3.0124777157 E-4
9.75	3.1695419372 E 0	5.5764631633 E-1	7.0638752541 E-2	6.7697615761 E-3	5.0874596472 E-4
10.00	4.3787365073 E 0	8.0680260653 E-1	1.0712369345 E-1	1.0768161048 E-2	8.4921268189 E-4

TABLE 45b - Oblate Coefficients  $d_1^{02}$

C	r=20	r=22	r=24	r=26	r=28
0.25	1.1032573161 E-29	4.7641367977 E-30	6.5203713458 E-31	3.9698537503 E-30	4.9067962428 E-30
0.50	1.6160346144 E-26	1.4840191385 E-27	8.7032838320 E-29	1.57522297112 E-28	1.0324780297 E-28
0.75	2.8315941193 E-24	1.2677344550 E-25	4.7211949034 E-27	3.8118834377 E-27	1.5810319496 E-27
1.25	1.5480940988 E-22	4.7755618985 E-24	1.37622834879 E-25	1.37622834879 E-25	
1.50	4.0496639267 E-21	1.0227360575 E-22	2.54966668402 E-24	6.3367557320 E-26	
1.75	6.3714272094 E-20	1.4504828925 E-21	3.3484769009 E-23	7.8584618078 E-25	
2.00	6.7175315059 E-19	1.5048834031 E-20	3.3629220288 E-22		
2.25	5.6696296962 E-18	1.2239292491 E-19			
2.50	3.7339878292 E-17				
2.75	2.0681211792 E-16	8.2055914699 E-19	2.7289430768 E-21	7.7182495979 E-24	1.8793568640 E-26
3.00	9.9681994597 E-16	4.7091366157 E-18	1.8645859038 E-20	6.2782229458 E-23	1.8198522825 E-25
3.25	4.2917131652 E-15	2.3809030423 E-17	1.1069482351 E-19	4.3761636470 E-22	1.482891768 E-24
3.50	1.6839379219 E-14	1.0842125687 E-16	5.849623543 E-19	2.6833912787 E-21	1.0595680294 E-23
3.75	6.1153304579 E-14	4.5235848754 E-16	2.8035931510 E-18	1.4772236445 E-20	6.6993410491 E-23
4.00	2.0802859557 E-13	1.7523608175 E-15	1.2366088789 E-17	7.4181020351 E-20	3.8297489379 E-22
4.25	6.6912260975 E-13	6.3689395147 E-15	5.077574932 E-17	3.4409478039 E-19	2.0046030288 E-21
4.50	2.0500277812 E-12	2.1896940315 E-14	1.9587701796 E-16	1.4891310214 E-18	9.7413363624 E-21
4.75	6.0169322897 E-12	7.1676411167 E-14	7.1496771556 E-16	6.0602972506 E-18	4.4197377486 E-20
5.00	1.6992406513 E-11	2.2449742037 E-13	2.4831978889 E-15	2.3337697031 E-17	1.8869474508 E-19
5.25	4.6322834091 E-11	6.7531543034 E-13	8.2413825283 E-15	8.5446175390 E-17	7.6208406266 E-19
5.50	1.2216790149 E-10	1.9561975149 E-12	2.6217691434 E-14	2.9849188320 E-16	2.9231738040 E-18
5.75	3.1214358896 E-10	5.4664626183 E-12	8.0119213921 E-14	9.9743977158 E-16	1.0680510587 E-17
6.00	7.7332886440 E-10	1.4753942044 E-11	2.3555474745 E-13	3.1942295915 E-15	3.7254003074 E-17
6.25	1.858853648 E-9	3.8495613173 E-11	6.6708614318 E-13	9.8179789575 E-15	1.2427352951 E-16
6.50	4.3379528782 E-9	9.7184914368 E-11	1.8218185381 E-12	2.9004714627 E-14	3.9713594253 E-16
6.75	9.8359423561 E-9	2.3764083900 E-10	4.8041418763 E-12	8.2482974591 E-14	1.2179170707 E-15
7.00	2.1691488893 E-8	5.6354019671 E-10	1.2250547546 E-11	2.2617521844 E-13	3.5912378123 E-15
7.25	4.6586115652 E-8	1.2979108593 E-9	3.0258285976 E-11	5.9912331006 E-13	1.0202559483 E-14
7.50	9.7573371643 E-8	2.9078564484 E-9	7.2519006581 E-11	1.5361182698 E-12	2.7985706282 E-14
7.75	1.9959882343 E-7	6.3478125584 E-9	1.6895194327 E-10	3.8196650876 E-12	7.4276265597 E-14
8.00	3.9937512566 E-7	1.3524052183 E-8	3.8331036685 E-10	9.2289754660 E-12	1.9113878668 E-13
8.25	7.8275175816 E-7	2.8164554819 E-8	6.4830724139 E-10	2.1707306519 E-11	4.7784418294 E-13
8.50	1.5047934913 E-6	5.7418895932 E-8	1.8342820040 E-9	4.9788571159 E-11	1.1626832112 E-12
8.75	2.8411179841 E-6	1.1475202564 E-7	3.8809199580 E-9	1.1153662104 E-10	2.7581266160 E-12
9.00	5.2743467039 E-6	2.2509758453 E-7	8.0455148455 E-9	2.4440363739 E-10	6.3869007512 E-12
9.25	9.6378756415 E-6	4.3390294293 E-7	1.6343258456 E-8	5.2454907763 E-10	1.4471805245 E-11
9.50	1.7352193059 E-5	8.2279126399 E-7	3.2687611973 E-8	1.1040531905 E-9	3.2079955576 E-11
9.75	3.0809099335 E-5	1.5363394325 E-6	6.4202642334 E-8	2.2814539636 E-9	6.9793670674 E-11
10.00	5.3990038486 E-5	2.8273194635 E-6	1.2410801720 E-7	4.6334363327 E-9	1.4894350107 E-10



TABLE 46 - Oblate Coefficients d<sub>l</sub><sup>03</sup>

C	r = 1	r = 3	r = 5	r = 7	r = 9
0.25	-1.0715430170 E -3	1.0006637162 E 0	1.1029993232 E -3	4.6016177445 E -7	1.0410820857 E -10
0.50	-4.2874841108 E -3	1.0026566020 E 0	4.4205370826 E -3	7.3766012775 E -6	6.6754698387 E -9
0.75	-9.6513142547 E -3	1.0059846524 E 0	9.9786982335 E -3	3.7464553938 E -5	7.6281119406 E -8
1.00	-1.7167459463 E -2	1.0106604462 E 0	1.7822552572 E -2	1.895508432 E -4	4.3053737655 E -7
1.25	-2.6839515008 E -2	1.0167069222 E 0	2.8018691766 E -2	2.922052474 E -4	1.6526170366 E -6
1.50	-3.8668420845 E -2	1.0241624298 E 0	4.0659050774 E -2	6.1066273791 E -4	4.9735154778 E -6
1.75	-5.2651212956 E -2	1.0330867542 E 0	5.5866237287 E -2	1.422977659 E -3	2.664154853 E -5
2.00	-6.8781107337 E -2	1.0435676898 E 0	7.380059434 E -2	1.9716754250 E -3	2.855677075 E -5
2.25	-8.7049696486 E -2	1.0557276198 E 0	9.4669185038 E -2	3.2028711221 E -3	5.8724899240 E -5
2.50	-1.0745191572 E -1	1.0697295202 E 0	1.1873683468 E -1	4.9634970361 E -3	1.1239823434 E -4
2.75	-1.2999415204 E -1	1.0857818857 E 0	1.4633929538 E -1	7.4101488359 E -3	2.0315071765 E -4
3.00	-1.5470546210 E -1	1.1041422868 E 0	1.7789858983 E -1	1.0735632973 E -2	3.5050639296 E -4
3.25	-1.8165144126 E -1	1.1251195775 E 0	2.1394062569 E -1	1.5178388071 E -2	5.8208362461 E -4
3.50	-2.1094997972 E -1	1.1490751101 E 0	2.5511530754 E -1	2.1034580685 E -2	9.3647538463 E -4
3.75	-2.4278804493 E -1	1.1764235488 E 0	3.0221957323 E -1	2.8673446120 E -2	1.4671124784 E -3
4.00	-2.7743961642 E -1	1.2076339570 E 0	3.5622401628 E -1	3.8556567220 E -2	2.2474301428 E -3
4.25	-3.1527983073 E -1	1.2432317186 E 0	4.1830397991 E -1	5.1261942410 E -2	3.3777493502 E -3
4.50	-3.568092474 E -1	1.2838016146 E 0	4.8987618952 E -1	6.7513888144 E -2	4.9943978602 E -3
4.75	-4.0266552968 E -1	1.3299920777 E 0	5.7264212495 E -1	8.8220048992 E -2	7.2817372987 E -3
5.00	-4.5364973561 E -1	1.3825203915 E 0	6.6863944618 E -1	1.1451705207 E -1	1.0247936637 E -2
5.25	-5.1074786823 E -1	1.4421784280 E 0	7.8030292023 E -1	1.4782665050 E -1	1.4945545984 E -2
5.50	-5.7516102045 E -1	1.5098384513 E 0	9.1053650373 E -1	1.8992457174 E -1	2.1098186728 E -2
5.75	-6.4834024911 E -1	1.5864585377 E 0	1.0627985621 E 0	2.4302475185 E -1	2.9534998070 E -2
6.00	-7.3202928654 E -1	1.6730872315 E 0	1.2412026872 E 0	3.0988223472 E -1	4.1034884748 E -2
6.25	-8.2831664907 E -1	1.7708671339 E 0	1.4506372257 E 0	3.9391879231 E -1	5.6623122333 E -2
6.50	-9.3969927305 E -1	1.8810371481 E 0	1.6969074500 E 0	4.9937632347 E -1	7.7643528183 E -2
6.75	-1.0691602763 E 0	2.0049330457 E 0	1.9869052490 E 0	6.3150435737 E -1	1.0585023868 E -1
7.00	-1.2202640280 E 0	2.1439858326 E 0	2.3288124769 E 0	7.9678956242 E -1	1.4352419447 E -1
7.25	-1.3972724096 E 0	2.2997170742 E 0	2.7323447556 E 0	1.0032370836 E 0	1.9362078049 E -1
7.50	-1.6052869817 E 0	2.4737298821 E 0	3.2090450180 E 0	1.2607158555 E 0	2.5995676193 E -1
7.75	-1.8504227653 E 0	2.6676936785 E 0	3.7726362481 E 0	1.5813828393 E 0	3.4744678223 E -1
8.00	-2.1400205553 E 0	2.8833201460 E 0	4.4394458606 E 0	1.9802045322 E 0	4.6240234506 E -1
8.25	-2.4829061738 E 0	3.1225749256 E 0	5.2289158636 E 0	2.4755982331 E 0	6.1290952115 E -1
8.50	-2.8897069252 E 0	3.3863840092 E 0	6.1642158852 E 0	3.0902206307 E 0	8.0930576753 E -1
8.75	-3.3732378189 E 0	3.6770413242 E 0	7.2729795414 E 0	3.8519375325 E 0	1.0647814337 E 0
9.00	-3.9489729887 E 0	3.9956176486 E 0	8.5881887937 E 0	4.7950162221 E 0	1.3961380213 E 0
9.25	-4.6356212813 E 0	4.3430626055 E 0	1.0149236029 E 1	5.9615918553 E 0	1.8247433907 E 0
9.50	-5.4558293627 E 0	4.7197589599 E 0	1.2003199741 E 1	7.4034696606 E 0	2.3777342888 E 0
9.75	-6.4370410888 E 0	5.1252628003 E 0	1.4206377128 E 1	9.1843420009 E 0	3.0865293168 E 0
10.00	-7.6125485400 E 0	5.5579582595 E 0	1.6826125848 E 1	1.1382513722 E 1	4.0037314122 E 0

TABLE 46a - Oblate Coefficients  $d_1^{0,3}$

C	r=11	r=13	r=15	r=17	r=19
0.25	1.4948626404 E-14	1.4910338716 E-18	1.0961979306 E-22	6.1960364948 E-27	2.7790843140 E-31
0.50	3.8359922528 E-12	1.5296360068 E-15	4.4983355096 E-19	1.0170309260 E-22	1.8246507840 E-26
0.75	9.8573823815 E-11	8.8487076010 E-14	5.8548504281 E-17	2.9783585727 E-20	1.2022703596 E-23
1.00	9.8915050114 E-10	1.578289211 E-12	1.8567850123 E-15	1.6791781683 E-18	1.2050263754 E-21
1.25	5.9320504739 E-08	1.4791517706 E-11	2.7185653880 E-14	3.8414323067 E-17	4.3073628159 E-20
1.50	2.5707878677 E-08	9.2303342419 E-11	2.4430546529 E-13	4.9710814977 E-16	6.02466241689 E-19
1.75	8.9103660408 E-08	4.3549045880 E-10	1.5688255590 E-12	4.3450365996 E-15	9.54937222476 E-18
2.00	2.6244610349 E-07	1.6754678698 E-09	7.8838184155 E-12	2.8520339536 E-14	8.1871348440 E-17
2.25	6.8319762021 E-07	5.5207069996 E-09	3.2880171288 E-11	1.5055064957 E-13	5.469968187 E-16
2.50	1.6147381325 E-06	1.6111445324 E-08	1.1847818350 E-10	6.6979097387 E-13	3.0045932074 E-15
2.75	3.5325335230 E-06	4.2657714086 E-08	3.7962293363 E-10	2.5971138162 E-12	1.4098161043 E-14
3.00	7.2563792798 E-06	1.0431048268 E-07	1.1049621194 E-09	8.9975928849 E-12	5.8133401458 E-14
3.25	1.4149866206 E-05	2.3879795191 E-07	2.9694681697 E-09	2.8383160817 E-11	2.1525147767 E-13
3.50	2.6417367896 E-05	5.1725862158 E-07	7.4618675049 E-09	8.2735324681 E-11	7.2780935806 E-13
3.75	4.7541621224 E-05	1.0690820804 E-06	1.7709833049 E-08	2.2546927364 E-10	2.2773030475 E-12
4.00	8.2922554780 E-05	2.1223396734 E-06	4.0020768261 E-08	5.798471211 E-10	6.6650547422 E-12
4.25	1.4080195001 E-04	4.0708880734 E-06	8.6678594155 E-08	1.4181505415 E-09	1.8405517412 E-11
4.50	2.3359074230 E-04	7.5753703693 E-06	1.8089471972 E-07	3.3189465256 E-09	4.8301268317 E-11
4.75	3.1975871096 E-04	1.3728738469 E-05	3.6539328304 E-07	7.4714231971 E-09	1.2117269434 E-10
5.00	6.0650295631 E-04	2.43095364680 E-05	7.1699215700 E-07	1.6248098550 E-08	2.9202913353 E-10
5.25	9.5348560136 E-04	4.2142963936 E-05	1.3709465721 E-06	3.4257784627 E-08	6.7891248692 E-10
5.50	1.4780271884 E-03	7.1716805056 E-05	2.5609065185 E-06	7.0239844032 E-08	1.5278271361 E-09
5.75	2.2622661805 E-03	1.1993388045 E-04	4.6834906230 E-06	1.4040391066 E-07	3.337958287 E-09
6.00	3.4229546007 E-03	1.9769973964 E-04	8.4011165205 E-06	2.7420852817 E-07	7.0976705386 E-09
6.25	5.1247655385 E-03	3.2109876528 E-04	1.4803495672 E-05	5.2418541239 E-07	1.4719873008 E-08
6.50	7.5982538570 E-03	5.1473373283 E-04	2.5657969624 E-05	9.8236825248 E-07	2.9829247011 E-08
6.75	1.1163955165 E-02	8.1509821543 E-04	4.3792840457 E-05	1.8073441244 E-06	5.9159280749 E-08
7.00	1.6244553442 E-02	1.2760333193 E-03	7.367768883 E-05	3.2681553458 E-06	1.1498833468 E-07
7.25	2.3507624478 E-02	1.9762383443 E-03	1.2229265314 E-04	5.8145908250 E-06	2.1931829346 E-07
7.50	3.3722208027 E-02	3.0297763894 E-03	2.0041786628 E-04	1.0186320648 E-05	4.1093309549 E-07
7.75	4.8033423541 E-02	4.6006578554 E-03	3.2452893246 E-04	1.7596559548 E-05	7.5715215298 E-07
8.00	6.7960582183 E-02	6.9229696671 E-03	5.1956019080 E-04	2.9980502791 E-05	1.3731412215 E-06
8.25	9.5545837473 E-02	1.0328515088 E-02	8.2290225127 E-04	5.0426080057 E-05	2.4532463941 E-06
8.50	1.3352245500 E-01	1.5224586326 E-02	1.2901442722 E-03	8.3786602260 E-05	4.3212477252 E-06
8.75	1.8553439189 E-01	2.2445359283 E-02	2.0032485604 E-03	1.3761839426 E-04	7.5100835909 E-06
9.00	2.5642221630 E-01	3.2721541375 E-02	3.0822739058 E-03	2.2357534069 E-04	1.2887047992 E-05
9.25	3.5259466741 E-01	4.7374402996 E-02	4.7115694183 E-03	3.5947110817 E-04	2.1848534004 E-05
9.50	4.8251061176 E-01	6.8142289844 E-02	7.1129755613 E-03	5.7231191758 E-04	3.6620265571 E-05
9.75	6.5730311668 E-01	9.7410287895 E-02	1.0677837483 E-02	9.0271109466 E-04	6.0716299883 E-05
10.00	8.9158624867 E-01	1.3843707778 E-01	1.5911655919 E-02	1.4113048735 E-03	9.9635269338 E-05

TABLE 46b - Orlans Coefficients 4.03

C	r=21	r=23	r=25	r=27	r=29
0.25	2.6625984138 E-30	1.0752324705 E-30	1.8964890766 E-29	8.2881451215 E-31	1.0197736370 E-30
0.50	3.9473726347 E-27	3.4060212027 E-28	1.0552650540 E-27	3.3844455413 E-29	2.2127850313 E-29
0.75	7.0335994911 E-25	2.9723493329 E-26	3.1658880706 E-26	8.4451978649 E-28	3.4865837368 E-28
1.00	3.9283597073 E-23	1.1485449338 E-24	6.0482312029 E-25	1.4478792040 E-26	
1.25	1.0541348356 E-21	2.5315431045 E-23	8.1928779723 E-24	1.0478475967 E-25	
1.50	1.7070105563 E-20	3.9629605145 E-21	8.4691825478 E-23		
2.00	1.9115550596 E-19	3.3181309324 E-20			
2.25	1.6144440885 E-18				
2.50	1.09622259895 E-17				
2.75	6.2243535679 E-17	2.2798139779 E-19	7.0413327252 E-22	1.8590185038 E-24	4.2444288233 E-27
3.00	3.0547492094 E-16	1.3316544493 E-18	4.8949765097 E-21	1.5380233571 E-23	4.1794180686 E-26
3.25	1.3276081849 E-15	2.7928350865 E-18	2.9306938953 E-20	1.0808213597 E-22	3.4469636851 E-25
3.50	5.2067727258 E-15	3.0906586414 E-17	1.5463056486 E-19	6.6142733370 E-22	2.4466028109 E-24
3.75	1.8705218671 E-14	1.2745015155 E-16	7.3221698562 E-19	3.5957599143 E-21	1.5269715813 E-23
4.00	6.2297751574 E-14	4.8301883522 E-16	3.1574815139 E-18	1.7644805040 E-20	8.5260750413 E-23
4.25	1.9424298545 E-13	1.7004071346 E-15	1.2550569218 E-17	7.9179147603 E-20	4.3195226811 E-22
4.50	5.7157383877 E-13	5.6102674162 E-15	4.6428877074 E-17	3.2841456969 E-19	2.0087640199 E-21
4.75	1.5978815805 E-12	1.7477112127 E-14	1.6116814553 E-16	1.2703154704 E-18	9.457882445 E-21
5.00	4.2674927944 E-12	5.1724214433 E-14	5.2855678583 E-16	4.6164315025 E-18	3.4864517055 E-20
5.25	1.0939024090 E-11	1.4618715657 E-13	1.6470637101 E-15	1.5860764207 E-17	1.3206781006 E-19
5.50	2.7018805646 E-11	3.9629464345 E-13	4.9004616913 E-15	5.1792362304 E-17	4.7381662400 E-19
5.75	6.4517798564 E-11	1.0342755346 E-12	1.3978443294 E-14	1.6144699190 E-16	1.6120003062 E-18
6.00	1.4936508198 E-10	2.6070103185 E-12	3.8362318971 E-14	4.8247978321 E-16	5.2470244364 E-18
6.25	3.3606989134 E-10	6.3638956612 E-12	1.0159949485 E-13	1.3863661810 E-15	1.6397954880 E-17
6.50	7.3643121901 E-10	1.5080065951 E-11	2.6035174834 E-13	3.8418909532 E-15	4.9023250122 E-17
6.75	1.5745287223 E-9	3.4759940416 E-11	6.4700822686 E-13	1.0293930015 E-14	1.4162380882 E-16
7.00	3.2899033359 E-9	7.8079969305 E-11	1.5624998130 E-12	2.6727515049 E-14	3.9536244937 E-16
7.25	6.7274546086 E-9	1.7119357861 E-10	3.6734589368 E-12	6.7381916583 E-14	1.0000776200 E-15
7.50	1.3480672964 E-8	3.6690528826 E-10	8.4213265001 E-12	1.6523970804 E-13	2.0040689985 E-15
7.75	2.6501610162 E-8	7.698361061 E-10	1.8852787834 E-11	3.9480089395 E-13	7.1586491712 E-15
8.00	5.1167851896 E-8	1.5822929488 E-9	4.1271042219 E-11	9.2040722658 E-13	1.7754546494 E-14
8.25	9.7121439987 E-8	3.1912559275 E-9	8.8456303363 E-11	2.0965918191 E-12	4.298425628 E-14
8.50	1.8139459743 E-7	6.3209883203 E-9	1.8583367116 E-10	4.6722792686 E-12	1.0162510032 E-13
8.75	3.3365415246 E-7	1.2307435798 E-8	3.8308576764 E-10	1.019857739 E-11	2.3490023880 E-13
9.00	6.0469431297 E-7	2.3578747046 E-8	7.7566829726 E-10	2.1827585267 E-11	5.3148701042 E-13
9.25	1.0816815814 E-6	4.4482420487 E-8	1.5440756016 E-10	4.5854856311 E-11	1.1784479429 E-12
9.50	1.9092990367 E-6	8.2702745410 E-8	3.0244648872 E-9	9.4642764101 E-11	2.5632236738 E-12
9.75	3.3285619681 E-6	1.5164785119 E-7	5.8341777761 E-9	1.9208755941 E-10	5.4744608844 E-12
10.00	5.7352454916 E-6	2.7443445493 E-7	1.1091349269 E-8	3.8369261351 E-10	1.1491274778 E-11

TABLE A7 - Onsite Coefficients 4.04

C	F = 0	F = 2	F = 4	F = 6	F = 8
0.25	3.5432503930 E -7	-8.4992022669 E -4	9.9958270686 E -1	8.6051429291 E -4	2.9702006207 E -7
0.50	5.6699695397 E -6	-3.3946369841 E -3	9.991993469 E -1	3.4376347019 E -3	4.746171705 E -6
0.75	2.8710199514 E -5	-7.6189818841 E -3	9.961789898 E -1	7.1179768781 E -3	2.3975095011 E -5
1.00	9.0761499077 E -5	-2.3499458191 E -2	9.9310532893 E -1	1.3678818203 E -2	7.5540581187 E -5
1.25	2.2164415843 E -4	-2.0994581912 E -2	9.8902246853 E -1	2.1287585415 E -2	1.6368976001 E -4
1.50	4.5970523741 E -4	-3.0063694202 E -2	9.8383185253 E -1	3.0500759606 E -2	3.17901672616 E -4
1.75	8.5177177778 E -4	-4.0647745397 E -2	9.7741269367 E -1	4.1262864538 E -2	6.9800286370 E -4
2.00	1.4530342215 E -3	-5.2478561843 E -2	9.6962185159 E -1	5.3504803152 E -2	1.1624245051 E -3
2.25	2.3268187734 E -3	-6.6076660273 E -2	9.6029388568 E -1	6.7141938889 E -2	1.8786053549 E -3
2.50	3.5441899730 E -3	-8.0750852720 E -2	9.4924154251 E -1	8.2071794206 E -2	2.8364857444 E -3
2.75	5.1832971345 E -3	-9.6597649869 E -2	9.3625711525 E -1	9.8171468971 E -2	4.1084789453 E -3
3.00	7.3283363432 E -3	-1.1353035110 E -1	9.2111535367 E -1	1.1529499855 E -1	5.7480919390 E -3
3.25	1.0067940410 E -2	-1.3132771927 E -1	9.0357890855 E -1	1.3327107935 E -1	7.8083133619 E -3
3.50	1.5492734313 E -2	-1.4993220298 E -1	8.8340763630 E -1	1.5190191915 E -1	1.0339828744 E -2
3.75	1.7691716366 E -2	-1.6914782141 E -1	8.6037339074 E -1	1.7096441370 E -1	1.3389231501 E -2
4.00	2.2747081786 E -2	-1.8878810587 E -1	8.3428200642 E -1	1.9021549670 E -1	1.6997578320 E -2
4.25	2.8727171279 E -2	-2.0864492887 E -1	8.0500368355 E -1	2.0940323147 E -1	2.1199902466 E -2
4.50	3.5677531846 E -2	-2.2848963568 E -1	7.7251135658 E -1	2.282821210 E -1	2.6026628920 E -2
4.75	4.3610788312 E -2	-2.4807849315 E -1	7.3692319879 E -1	2.4667356315 E -1	3.1508139261 E -2
5.00	5.2497246464 E -2	-2.6716472290 E -1	6.9853991562 E -1	2.6444652920 E -1	3.7683804399 E -2
5.25	6.2259473921 E -2	-2.8551864293 E -1	6.5786115909 E -1	2.8162468991 E -1	4.4616337020 E -2
5.50	7.2776689328 E -2	-3.0295507121 E -1	6.1556229410 E -1	2.9839716413 E -1	5.2411114435 E -2
5.75	8.3898206622 E -2	-3.1936288218 E -1	5.7241902240 E -1	3.1514713581 E -1	6.1238502267 E -2
6.00	9.5472502963 E -2	-3.3472916945 E -1	5.2918603081 E -1	3.3244568056 E -1	7.1356271617 E -2
6.25	1.0737907244 E -1	-3.4914828187 E -1	4.8645919977 E -1	3.5101874973 E -1	8.3130253199 E -2
6.50	1.1955828287 E -1	-3.6281402677 E -1	4.4456167898 E -1	3.7170275246 E -1	9.7054488097 E -2
6.75	1.3203090395 E -1	-3.7599864844 E -1	4.0348114182 E -1	3.9540986390 E -1	1.1377552700 E -1
7.00	1.4490643211 E -1	-3.8902748058 E -1	3.6285767849 E -1	4.2311763166 E -1	1.3412707375 E -1
7.25	1.5838437949 E -1	-4.0226044298 E -1	3.2199953062 E -1	4.5588491271 E -1	1.5918041164 E -1
7.50	1.7275436975 E -1	-4.1607261847 E -1	2.7989869969 E -1	4.9488607746 E -1	1.9031404528 E -1
7.75	1.8839940456 E -1	-4.3085507740 E -1	2.3522652838 E -1	5.4145194449 E -1	2.2930408435 E -1
8.00	2.0580401585 E -1	-4.4700390302 E -1	1.8630116968 E -1	5.970910354 E -1	2.7843322656 E -1
8.25	2.255668886 E -1	-4.6491484678 E -1	1.3102848149 E -1	6.6354163568 E -1	3.4061516889 E -1
8.50	2.4841455082 E -1	-4.8496801330 E -1	6.683872200 E -2	7.4268095124 E -1	4.1952403867 E -1
8.75	2.7521817579 E -1	-5.0750329348 E -1	-9.471640882 E -2	8.3653253895 E -1	5.1972739340 E -1
9.00	3.0700571548 E -1	-5.3278673712 E -1	-1.0169848112 E -1	9.4714238592 E -1	6.4679641803 E -1
9.25	3.4497821164 E -1	-5.6097160547 E -1	-2.1443488226 E -1	1.0764739157 E 0	8.0743425025 E -1
9.50	3.9053069124 E -1	-5.9250906801 E -1	-3.5313649335 E -1	1.2263006552 E 0	1.0096070209 E 0
9.75	4.4528481226 E -1	-6.2586136528 E -1	-5.2425444500 E -1	1.3981188589 E 0	1.2627263781 E 0
10.00	5.1113771836 E -1	-6.6196559144 E -1	-7.3542547691 E -1	1.5930796266 E 0	1.5779015602 E 0

TABLE 47a - Oblate Coefficients  $d_1^{0,4}$

C	r=10	r=12	r=14	r=16	r=18
0.25	5.7472714304 E-11	7.2181933106 E-15	6.4020891287 E-19	4.2388896031 E-23	2.1797926687 E-27
0.50	3.6734396390 E-9	1.8454262226 E-12	6.5470797326 E-16	1.7339487646 E-19	3.5666290010 E-23
0.75	4.1751225899 E-8	4.7192344870 E-11	3.7670551511 E-14	2.2447642581 E-17	1.0388982403 E-20
1.00	2.3386366685 E-7	4.6993651146 E-10	6.5687485172 E-14	7.046123906 E-16	5.8125838722 E-19
1.25	8.8856331925 E-7	2.1898719627 E-9	6.1857799196 E-12	1.0239330366 E-14	1.3163415095 E-17
1.50	2.6401870581 E-6	1.1937080315 E-8	3.8114272420 E-11	9.0847895388 E-14	1.681804238 E-16
1.75	6.6183912032 E-6	4.3730852576 E-8	1.7701720544 E-11	5.7430473882 E-13	1.4471083542 E-15
2.00	1.4645336468 E-5	1.1772846826 E-7	6.6830566847 E-10	2.8320343963 E-12	9.3207410787 E-15
2.25	2.9453876921 E-5	2.9969169071 E-7	2.1532940819 E-9	1.1549234570 E-11	4.8108997907 E-14
2.50	5.4918216354 E-5	6.8997297781 E-7	6.1209894549 E-9	4.0534008782 E-11	2.0866478528 E-13
2.75	9.6286289039 E-5	1.4640763566 E-6	1.5718277893 E-8	1.2596104446 E-10	7.8391907324 E-13
3.00	1.6040084865 E-4	2.9034784653 E-6	3.7104693334 E-8	3.5391906752 E-10	2.6216025707 E-12
3.25	2.5589466424 E-4	5.4384993591 E-6	8.1590029790 E-8	9.1353740378 E-10	7.9422537042 E-12
3.50	3.9334600486 E-4	9.7006395249 E-6	1.6884581739 E-7	2.1931455030 E-9	2.2119895107 E-11
3.75	5.8538691501 E-4	1.6584522226 E-5	3.3153530384 E-7	4.9452364310 E-9	5.7272572599 E-11
4.00	9.4677396978 E-4	2.7319813540 E-5	6.2177188939 E-7	1.0537051752 E-8	1.3915873681 E-10
4.25	1.1944656019 E-3	4.3555052481 E-5	1.1199294069 E-6	2.1478789749 E-8	3.1976207919 E-10
4.50	1.6478140798 E-3	6.7459564360 E-5	1.9465755767 E-6	4.1884360481 E-8	6.9945118215 E-10
4.75	2.209049508 E-3	1.0185846355 E-4	3.2788476419 E-6	7.8178608575 E-8	1.4649408853 E-9
5.00	2.9644715597 E-3	1.5042980274 E-4	5.3736941025 E-6	1.4303674762 E-7	2.9535455545 E-9
5.25	3.8864141562 E-3	2.1801668075 E-4	8.6023771408 E-6	2.5279500725 E-7	5.7610565597 E-9
5.50	5.0369237258 E-3	3.1112537388 E-4	1.3503708555 E-5	4.3624723990 E-7	1.0925198541 E-8
5.75	6.4729022008 E-3	4.3870889784 E-4	2.0867754994 E-5	7.3829152173 E-7	2.0239434757 E-8
6.00	8.273175428 E-3	6.1334757800 E-4	3.1867307852 E-5	1.2504793779 E-6	3.6794999443 E-8
6.25	1.0547511819 E-2	8.5296756354 E-4	4.8262096933 E-5	2.0274606649 E-6	6.5919875672 E-8
6.50	1.3448070417 E-2	1.1832981694 E-3	7.2712789120 E-5	3.3138130675 E-6	1.1680486009 E-7
6.75	1.71844774 E-2	1.6413866479 E-3	1.0926182141 E-4	5.3876974047 E-6	2.0531455943 E-7
7.00	2.2043967249 E-2	2.2806690778 E-3	1.6407012671 E-4	8.7318063318 E-6	3.5883778935 E-7
7.25	2.8420422424 E-2	3.1783325935 E-3	2.4654701737 E-4	1.4128550394 E-5	6.2463867037 E-7
7.50	3.6853088222 E-2	4.4459920667 E-3	3.7107952329 E-4	2.2846549990 E-5	1.0841845960 E-6
7.75	4.8080389740 E-2	6.2450340465 E-3	5.5966174561 E-4	3.6940808278 E-5	1.8775843899 E-6
8.00	6.3110699966 E-2	8.8083167649 E-3	8.4584580886 E-4	5.9731125309 E-5	3.2448923462 E-6
8.25	8.3313012259 E-2	1.2470186034 E-2	1.2805791255 E-3	9.6533847303 E-5	5.5950268589 E-6
8.50	1.1052869667 E-1	1.7706902002 E-2	1.9416476325 E-3	1.5592186604 E-4	9.618887328 E-6
8.75	1.4720429065 E-1	2.5189603213 E-2	2.9406094641 E-3	2.5127793417 E-4	1.6471462151 E-5
9.00	1.965440769 E-1	3.5852119650 E-2	4.4492952205 E-3	4.0359048849 E-4	2.8059234076 E-5
9.25	2.62694485 E-1	5.0976746911 E-2	6.7112672503 E-3	6.4512914044 E-4	4.7485405426 E-5
9.50	3.5094508545 E-1	7.2302869670 E-2	1.0082128421 E-2	1.0248859227 E-3	7.9728627056 E-5
9.75	4.6799890178 E-1	1.0216598787 E-1	1.5059363340 E-2	1.6162981039 E-3	1.3266650108 E-4
10.00	6.2230300981 E-1	1.4367728705 E-1	2.2347429815 E-2	2.5281956378 E-3	2.1866408362 E-4

TABLE 47b - Oblate Coefficients  $d_r^{0,4}$

C	r=20	r=22	r=24	r=26	r=28
0.25					
0.50					
0.75					
1.00					
1.25					
1.50					
1.75					
2.00					
2.25					
2.50					
2.75					
3.00					
3.25					
3.50					
3.75					
4.00					
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6.25					
6.50					
6.75					
7.00					
7.25					
7.50					
7.75					
8.00					
8.25					
8.50					
8.75					
9.00					
9.25					
9.50					
9.75					
10.00					
	5.8702103922 E-27 3.8472435573 E-24 3.8266509832 E-22 1.3540677495 E-20 2.4912112791 E-19 2.9176493407 E-18 2.4545600433 E-17 1.6034934829 E-16 8.5784386440 E-16 3.9035599748 E-15 1.5537232472 E-14 5.5254445897 E-14 1.7848808380 E-13 5.3063067592 E-13 1.4673476009 E-12 3.8076686754 E-12 9.3417479867 E-12 2.1812144256 E-11 4.87602553923 E-11 1.0494647744 E-10 2.1864729234 E-10 4.4325242309 E-10 8.7867102943 E-10 1.7108834990 E-9 3.2849437859 E-9 6.2394035942 E-9 1.1753114178 E-8 2.1996792654 E-8 4.0955486125 E-8 7.5916945086 E-8 1.4014047991 E-7 2.5758381038 E-7 4.7114416477 E-7 8.5676388585 E-7 1.5471006335 E-6 2.7704880518 E-6 4.9139691177 E-6 8.6238147042 E-6 1.4963916134 E-5	7.9130840612 E-31 1.1668713955 E-27 2.0633283440 E-25 1.1407991417 E-23 3.02223335440 E-22 4.8179376967 E-21 5.2940917475 E-20 4.3772385150 E-19 2.8911600460 E-18 1.5919643582 E-17 7.5414652077 E-17 3.1478748086 E-16 1.1794701295 E-15 4.0259847039 E-14 1.2669728638 E-14 3.7125714683 E-14 1.0215197757 E-13 2.6587299342 E-13 6.5892611368 E-13 1.5646407828 E-12 3.5806204410 E-12 7.9415619478 E-12 1.7161366247 E-11 3.6306266547 E-11 7.5510048230 E-11 1.5492225761 E-10 3.1439794162 E-10 6.3237656748 E-10 1.2624470125 E-9 2.5036404111 E-9 4.9342558667 E-9 9.6634699531 E-9 1.8797091627 E-8 3.6284160189 E-8 6.9425594045 E-8 1.3150958470 E-8 2.4633044249 E-7 4.5581054379 E-7 8.3267405602 E-7	2.9535479607 E-31 9.2846544430 E-29 8.0209529872 E-27 3.0600045661 E-25 6.6395188540 E-24 9.5291806328 E-23 9.9718955929 E-22 8.1316325100 E-21 5.4180564735 E-20 3.0547094700 E-19 1.4965535064 E-18 6.5039815393 E-18 2.5469049037 E-17 9.1282359341 E-17 3.0203327185 E-16 9.3197302591 E-16 2.7036787781 E-15 7.4279963636 E-15 1.9456986773 E-14 4.8901931281 E-14 1.1864296385 E-13 2.7943062114 E-13 6.4215835359 E-13 1.4463442374 E-12 3.2044563689 E-12 7.0040041578 E-12 1.5135426717 E-11 3.2387230836 E-11 6.8694018633 E-11 1.4449314761 E-10 3.0141946526 E-10 6.2332185414 E-10 1.2768110567 E-9 2.587917480 E-9 5.1841869378 E-9 1.0252464703 E-8 1.9999040896 E-8 3.8456771930 E-8	4.7797514164 E-30 2.6258155578 E-28 7.7548628605 E-27 1.4537206322 E-25 1.9253743506 E-24 1.9383902103 E-23 1.5628184282 E-22 1.0486598955 E-21 6.039247152 E-21 3.0395475565 E-20 1.3676111375 E-19 5.573441235 E-19 7.0822540046 E-18 7.2050791967 E-18 2.3296446516 E-17 7.0946212674 E-17 2.0498442470 E-16 5.6575937529 E-16 1.5012769769 E-15 3.8531348769 E-15 9.6171526670 E-15 2.3453032236 E-14 5.6100083228 E-14 1.3203306889 E-13 3.0646333864 E-13 7.0273373110 E-13 1.5937181344 E-12 3.5769074711 E-12 7.9457659272 E-12 1.7464479600 E-11 3.7954152531 E-11 8.147387288 E-11 1.7256570681 E-10 3.6026089653 E-10 7.4071445105 E-10 1.4991178447 E-9	7.7769096437 E-30 1.9041500273 E-28 3.1918789466 E-27 3.9673162460 E-26 3.8704664243 E-25 3.0909066987 E-24 2.0859964494 E-23 1.2195924732 E-22 6.2999939448 E-22 2.9215577384 E-21 1.234203793 E-20 4.7819466061 E-20 1.7231980064 E-19 5.0166550506 E-19 1.8536289551 E-18 5.6176921562 E-18 1.6302599808 E-17 4.591199411 E-17 1.2357180758 E-16 3.2623429136 E-16 8.4237253545 E-16 2.1343876925 E-15 5.3202863458 E-15 1.3070606960 E-14 3.1688809990 E-14 7.5872420962 E-14 1.7944506440 E-13 4.1913077727 E-13 9.6619904422 E-13 2.1962857456 E-12 4.9177984048 E-12 1.0836616039 E-11 2.3481921517 E-11 5.0015131649 E-11

TABLE 48 - Obitone Coefficients  $d_{1,0.5}$

C	r = 1	r = 3	r = 5	r = 7	r = 9
0.25	2.6842212827 E -7	-7.0162649392 E -4	1.0002621908 E 0	7.0620467489 E -4	2.0770724756 E -7
0.50	4.2950634306 E -6	-2.8085135664 E -3	1.0010447142 E 0	2.8270094931 E -4	3.3254597148 E -6
0.75	2.1746178105 E -5	-6.368954229 E -3	1.0023354229 E 0	6.3689542215 E -3	1.4258697117 E -5
1.00	6.8738102244 E -5	-1.1266059648 E -2	1.0041140751 E 0	1.1342942857 E -2	5.3377550178 E -5
1.25	1.6784198335 E -4	-1.76460531669 E -2	1.00635223463 E 0	1.7764226228 E -2	1.3061800596 E -4
1.50	3.4808216019 E -4	-2.5467708406 E -2	1.0090138597 E 0	2.552402318 E -2	2.7162435703 E -4
1.75	6.4492003141 E -4	-3.4768843691 E -2	1.0120542505 E 0	3.5031430563 E -2	5.0492821617 E -4
2.00	1.1002130298 E -3	-4.5568637078 E -2	1.0154212871 E 0	4.5592677641 E -2	8.6479465581 E -4
2.25	1.7621362073 E -3	-5.7895001916 E -2	1.0190550768 E 0	5.8380017486 E -2	1.3915155489 E -3
2.50	2.6850520463 E -3	-7.1778782061 E -2	1.0228883974 E 0	7.2420017962 E -2	2.1317778185 E -3
2.75	3.9293127108 E -3	-8.7253415407 E -2	1.0268471983 E 0	8.8092259293 E -2	3.1391164909 E -3
3.00	5.5609785058 E -3	-1.0435454907 E -1	1.0308513266 E 0	1.0544484525 E -1	4.4744753069 E -3
3.25	7.6514376522 E -3	-1.2311962319 E -1	1.0348155343 E 0	1.2453218717 E -1	6.2069058099 E -3
3.50	1.0276916798 E -2	-1.4358745921 E -1	1.0386508165 E 0	1.4341616218 E -1	8.4144479445 E -3
3.75	1.3517880600 E -2	-1.6579791617 E -1	1.0422661165 E 0	1.6816776901 E -1	1.1185251514 E -2
4.00	1.7458334040 E -2	-1.8979171401 E -1	1.0455703973 E 0	1.9286942419 E -1	1.4619017028 E -2
4.25	2.2185064698 E -2	-2.1561056575 E -1	1.0484750255 E 0	2.1961805406 E -1	1.8828861393 E -2
4.50	2.7786894818 E -2	-2.4329780529 E -1	1.0508963375 E 0	2.4852913876 E -1	2.3943739690 E -2
4.75	3.4354054016 E -2	-2.7289973754 E -1	1.0527581576 E 0	2.7974184771 E -1	3.011587754 E -2
5.00	4.1977829355 E -2	-3.0446796140 E -1	1.0539939321 E 0	3.1342536849 E -1	3.7503381190 E -2
5.25	5.0750693458 E -2	-3.3806291185 E -1	1.0545480387 E 0	3.4978647354 E -1	4.6318337437 E -2
5.50	6.0767143709 E -2	-3.7375882438 E -1	1.0543757595 E 0	3.8907829699 E -1	5.6790515139 E -2
5.75	7.2125495530 E -2	-4.1165024019 E -1	1.0534413848 E 0	4.3161022219 E -1	6.9197089660 E -2
6.00	8.4930852268 E -2	-4.5186005069 E -1	1.0517139679 E 0	4.775872678 E -1	8.3866607582 E -2
6.25	9.9299421958 E -2	-4.9454894692 E -1	1.0491603709 E 0	5.2797901512 E -1	1.0120155165 E -1
6.50	1.1536427596 E -1	-5.3992602463 E -1	1.0457354124 E 0	5.8281730032 E -1	1.2167358818 E -1
6.75	1.3328256452 E -1	-5.8826023109 E -1	1.0413690941 E 0	6.4292367631 E -1	1.4586192865 E -1
7.00	1.5324414319 E -1	-6.3989234903 E -1	1.0359510006 E 0	7.0906562816 E -1	1.7446532060 E -1
7.25	1.7548154224 E -1	-6.9524729730 E -1	1.0293119838 E 0	7.8214233584 E -1	2.0833029087 E -1
7.50	2.0028124019 E -1	-7.5484666879 E -1	1.0212031441 E 0	8.6320000413 E -1	2.4848239271 E -1
7.75	2.2799627930 E -1	-8.1932159072 E -1	1.0112719175 E 0	9.5344847809 E -1	2.9616335246 E -1
8.00	2.5906037371 E -1	-8.8942614611 E -1	9.9903480958 E -1	1.0542793786 E 0	3.5287516795 E -1
8.25	2.9400379318 E -1	-9.6605171613 E -1	9.8384602316 E -1	1.167285929 E 0	4.2043238196 E -1
8.50	3.3347144336 E -1	-1.0502426866 E 0	9.6486094513 E -1	1.2942845174 E 0	5.0102395030 E -1
8.75	3.7824370379 E -1	-1.1432140184 E 0	9.4099319325 E -1	1.4373384008 E 0	5.9726636313 E -1
9.00	4.2926072889 E -1	-1.2463712291 E 0	9.1060367141 E -1	1.5987824389 E 0	7.1238998386 E -1
9.25	4.8765107676 E -1	-1.361333342 E 0	8.7273980307 E -1	1.7812507529 E 0	8.5014096775 E -1
9.50	5.5476571615 E -1	-1.4899598529 E 0	8.2446277300 E -1	1.9877054707 E 0	1.0151016339 E 0
9.75	6.3221868573 E -1	-1.6343814042 E 0	7.6336016706 E -1	2.214677560 E 0	1.2127328053 E 0
10.00	7.2193594996 E -1	-1.7970368916 E 0	6.8614082635 E -1	2.4862507741 E 0	1.4495624094 E 0

TABLE 48a - Obsolete Coefficients  $d_1^{0.5}$

C	r=11	r=13	r=15	r=17	r=19
0.25	3.5087338577 E-11	3.9141997660 E-15	3.1243578345 E-19	1.8811550886 E-23	8.8714092162 E-28
0.50	2.2472968006 E-9	1.0027930213 E-12	3.2017527082 E-16	7.7109980114 E-20	1.4545005245 E-23
0.75	2.5630689296 E-8	2.5733064540 E-11	1.8486248973 E-14	1.0017347602 E-17	4.2516872587 E-21
1.00	1.4426822229 E-7	2.5750026712 E-10	3.2885993609 E-13	3.1680434823 E-16	2.3904304574 E-19
1.25	5.5161907303 E-7	1.5383898902 E-9	3.0698658807 E-12	4.6208295149 E-15	5.4478315024 E-18
1.50	1.6518561579 E-6	6.6338476845 E-9	1.9062036996 E-11	4.1318677317 E-14	7.0147824035 E-17
1.75	4.1796846983 E-6	2.2847548505 E-8	8.9362734634 E-11	2.6364369183 E-13	6.0923042991 E-16
2.00	9.3506297759 E-6	6.6763358773 E-8	3.4107520148 E-10	1.3143252643 E-12	3.9609506487 E-15
2.25	1.9044472696 E-5	1.7210740873 E-7	1.1128464280 E-9	5.4275804858 E-12	2.0733624027 E-14
2.50	3.6025404967 E-5	4.0197298624 E-7	3.2090450323 E-9	1.93233336984 E-11	9.1134198377 E-14
2.75	6.4203645346 E-5	8.6694831938 E-7	8.3752526018 E-9	6.1026537705 E-11	3.4827750718 E-13
3.00	1.0894486127 E-4	1.7510528757 E-6	2.0134290088 E-8	1.7461205410 E-10	1.1860101406 E-12
3.25	1.7743593921 E-4	3.3478519870 E-6	4.5185652928 E-8	4.5995532288 E-10	3.6668603302 E-12
3.50	2.7911872007 E-4	6.1097254286 E-6	9.5657591996 E-8	1.1294636124 E-9	1.0444133774 E-11
3.75	4.2620760549 E-4	1.0714079734 E-5	1.9261833186 E-7	2.6113380757 E-9	2.7723976861 E-11
4.00	6.3431289156 E-4	1.8151407154 E-5	3.7141304039 E-7	5.7304254147 E-9	6.9233816395 E-11
4.25	9.2319983328 E-4	2.9841639745 E-5	6.8961383449 E-7	1.2014996573 E-8	1.6391259108 E-10
4.50	1.3177243803 E-3	4.7787403848 E-5	1.2388773614 E-6	2.4203560515 E-8	3.7028358096 E-10
4.75	1.8490008682 E-3	7.4775787149 E-5	2.1608362801 E-6	4.7064149051 E-8	8.0250743363 E-10
5.00	2.5558752695 E-3	1.1464439262 E-4	3.6733616955 E-6	8.8695478292 E-8	1.6764404041 E-9
5.25	3.4868004065 E-3	1.7263314913 E-4	6.1031997846 E-6	1.6256408032 E-7	3.3890026745 E-9
5.50	4.7022372078 E-3	2.5585103424 E-4	9.9362129361 E-6	2.9065734048 E-7	6.6535637949 E-9
5.75	6.2777391260 E-3	3.7389708936 E-4	1.5886986424 E-5	5.0831904654 E-7	1.2725274977 E-8
6.00	8.3079159041 E-3	5.3968853245 E-4	2.4907586580 E-5	8.7161003651 E-7	2.3773675042 E-8
6.25	1.0911519209 E-2	7.7056622285 E-4	3.8777028221 E-5	1.4684425853 E-6	4.3490459851 E-8
6.50	1.4237948202 E-2	1.0897702498 E-3	5.9397861271 E-5	2.435310732 E-6	7.8071962823 E-8
6.75	1.8475540632 E-2	1.5284073450 E-3	8.992658572 E-5	3.9824444024 E-6	1.3779372079 E-7
7.00	2.3862097944 E-2	2.1280688655 E-3	1.3494185549 E-4	6.4310506900 E-6	2.3951414989 E-7
7.25	3.0698194687 E-2	2.9443053745 E-3	2.0061610806 E-4	1.0268668237 E-5	4.1062608590 E-7
7.50	3.9363946805 E-2	4.0512239175 E-3	2.9533206755 E-4	1.6230892559 E-5	6.9524881401 E-7
7.75	5.0340063406 E-2	5.5475499691 E-3	4.3350144791 E-4	2.5421047211 E-5	1.1638624948 E-6
8.00	6.4234186023 E-2	7.5645912943 E-3	6.3106104679 E-4	3.9484935501 E-5	1.9281933120 E-6
8.25	8.1813733108 E-2	1.0276659958 E-2	9.1346793295 E-4	6.0863692440 E-5	3.1640484080 E-6
8.50	1.0404672302 E-1	1.3914656884 E-2	1.3154318182 E-3	9.3168906547 E-5	5.1460968374 E-6
8.75	1.3215235747 E-1	1.8783707767 E-2	1.8852381626 E-3	1.4167035138 E-4	8.3004660930 E-6
9.00	1.6766352594 E-1	2.5285969190 E-2	2.6898019124 E-3	2.1411045421 E-4	1.3283708007 E-5
9.25	2.1250386156 E-1	3.3950012150 E-2	3.8214767809 E-3	3.2170047697 E-4	2.1100506381 E-5
9.50	2.6908256786 E-1	4.5468525449 E-2	5.4072196167 E-3	4.8064395927 E-4	3.327895887 E-5
9.75	3.4041097412 E-1	6.0746755796 E-2	7.6208357536 E-3	7.1422194887 E-4	5.2121346636 E-5
10.00	4.3024569892 E-1	8.0963923259 E-2	1.0699297437 E-2	1.0557068556 E-3	8.1088674130 E-5



TABLE 465 -- Oblate Coefficients  $d_p^{0.5}$

C	r=21	r=23	r=25	r=27	r=29
0.25	0.000000000 E-39	2.7690589725 E-31	3.059019978 E-29	1.4867210914 E-30	2.3170416191 E-30
0.50	2.2110264071 E-27	4.0975008608 E-28	2.6598498069 E-27	8.2313552629 E-29	5.7351407482 E-29
0.75	1.4541159969 E-24	7.2809345281 E-26	1.0226717783 E-25	2.4536687739 E-27	9.7345256456 E-28
1.00	1.4534176338 E-22	4.0511083143 E-24	2.239984113 E-24	4.4498996339 E-26	1.2272638646 E-26
1.25	5.1755623346 E-21	1.0816587260 E-22	3.2495818559 E-23	6.235926788 E-25	
1.50	9.5964608720 E-20	1.7403981272 E-21	3.4433420176 E-22	6.3680732992 E-24	
1.75	1.1344208405 E-18	1.9333020679 E-20	1.0844262817 E-18		
2.00	9.6480115380 E-18	1.6186100284 E-19			
2.25	6.3821799529 E-17	1.0844262817 E-18			
2.50	3.4633963232 E-16	6.0680087984 E-18	1.9284308091 E-20	5.2173058981 E-23	1.2166618416 E-25
2.75	1.6015812033 E-15	2.9258920090 E-17	1.1070254963 E-19	3.5644338184 E-22	9.8924235981 E-25
3.00	6.4910204216 E-15	1.2465757704 E-16	5.536954093 E-19	2.0911746867 E-21	6.8114904139 E-24
3.25	2.3554558164 E-14	4.7765021833 E-16	2.4592550632 E-18	1.0778022626 E-20	4.0720441475 E-23
3.50	7.7815036021 E-14	1.6712452213 E-15	9.878958072 E-18	4.9707158444 E-20	2.1558165327 E-22
3.75	2.3715105811 E-13	5.4042401348 E-15	3.6348839546 E-17	2.0811738639 E-19	1.0270463306 E-21
4.00	6.7392234111 E-13	1.6311237210 E-14	1.2386644588 E-17	8.0070784819 E-19	4.4612022783 E-21
4.25	1.8015248356 E-12	4.6331307460 E-14	3.9440469502 E-16	2.8593907380 E-18	1.7862593869 E-20
4.50	4.5635424835 E-12	1.2471435812 E-13	1.1834005383 E-15	9.5582638850 E-18	6.6537448082 E-20
4.75	1.1022820678 E-11	3.2022887419 E-13	3.3434692369 E-15	3.0124529100 E-17	2.3239588936 E-19
5.00	2.5521499488 E-11	7.869033151 E-13	9.1253901672 E-15	9.0072233816 E-17	7.6620999885 E-19
5.25	5.6902259939 E-11	1.8621902088 E-12	2.3707446793 E-14	2.5687958116 E-16	2.3987091652 E-18
5.50	1.2265687040 E-10	4.2580628300 E-12	5.9267272202 E-14	7.0207141467 E-16	7.1669575025 E-18
5.75	2.5651377563 E-10	9.4399717555 E-12	1.4311576198 E-13	1.8464804905 E-15	3.0529144180 E-17
6.00	5.2206567537 E-10	2.0368632745 E-11	3.3493204006 E-13	4.6903823535 E-15	5.6599074155 E-17
6.25	1.0368632745 E-9	4.278873597 E-11	7.6192217181 E-13	1.1544568757 E-14	1.5072065888 E-16
6.50	2.0144303041 E-9	8.7930515864 E-11	1.682353002 E-12	2.7612014533 E-14	3.8887566078 E-16
6.75	3.8166370720 E-9	1.7699410312 E-10	3.6585114254 E-12	6.4338457021 E-14	9.7400296897 E-16
7.00	7.1769914092 E-9	3.4963208442 E-10	7.7580958784 E-12	1.4637502562 E-13	2.3798235436 E-15
7.25	1.3208525012 E-8	6.7887655143 E-10	1.6124544907 E-11	3.2577253662 E-13	5.6705051940 E-15
7.50	2.3950949076 E-8	1.2975360512 E-9	3.2924502600 E-11	7.1062452492 E-13	1.3211733789 E-14
7.75	4.2845038470 E-8	2.4441671420 E-9	6.6119589383 E-11	1.5212980511 E-12	3.0148788050 E-14
8.00	7.5694466770 E-8	4.5423783090 E-9	1.3074658672 E-10	3.2005612467 E-12	6.7478521682 E-14
8.25	1.3219658181 E-7	8.3361737470 E-9	2.5483369524 E-10	6.6246065683 E-12	1.4831318994 E-13
8.50	2.2840875805 E-7	1.5118584849 E-8	4.8993397815 E-10	1.3503033504 E-11	3.2045797594 E-13
8.75	3.9048784271 E-7	2.7114012235 E-8	9.308208285 E-10	2.7128564037 E-11	6.8129288601 E-13
9.00	6.6192866587 E-7	4.81113596494 E-8	1.7439346309 E-9	5.374933735 E-11	1.4262887270 E-12
9.25	1.1113596494 E-6	8.4501877039 E-8	3.2320147953 E-9	1.0509163125 E-10	2.9422873296 E-12
9.50	1.8497953931 E-6	1.4696580305 E-7	5.9225398291 E-9	2.0289107867 E-10	5.9844211398 E-12
9.75	3.0531923135 E-6	2.5318525548 E-7	1.0735335217 E-8	3.8693242574 E-10	1.2007260413 E-11
10.00	4.9987365045 E-6				

TABLE 49 - Oblate Coefficients  $4_1^0 6$

C	r = 0	r = 2	r = 4	r = 6	r = 8
0.25	-3.9105393128 E-11	1.9704142530 E-7	-5.9587467958 E-4	9.9980791681 E-1	5.9817422000 E-4
0.50	-2.5028524651 E-9	3.1504123524 E-6	-2.3820499154 E-3	9.99222694692 E-1	2.3912954528 E-3
0.75	-2.6510947342 E-8	1.5929938541 E-5	-5.3541344073 E-3	9.9824294767 E-1	5.3751227688 E-3
1.00	-1.6020639727 E-7	5.0262061818 E-5	-9.5046597901 E-3	9.9683240941 E-1	9.5424658443 E-3
1.25	-6.1119258411 E-7	1.2244417965 E-4	-1.4822856733 E-2	9.9496254897 E-1	1.4883001990 E-2
1.50	-1.8251567537 E-6	2.532324860 E-4	-2.1294324352 E-2	9.9259144304 E-1	2.1383020358 E-2
1.75	-4.6026168416 E-6	4.6763728392 E-4	-2.8900719965 E-2	9.8966820379 E-1	2.9025093651 E-2
2.00	-1.0255604234 E-5	7.9481813986 E-4	-3.7619092800 E-2	9.8613319959 E-1	3.7781677707 E-2
2.25	-2.0789891535 E-5	1.2677538051 E-3	-4.7421493978 E-2	9.8191832383 E-1	4.7644639249 E-2
2.50	-3.9114074316 E-5	1.92330084058 E-3	-5.8274236056 E-2	9.7694731512 E-1	5.8564711924 E-2
2.75	-6.9274401514 E-5	2.8003981727 E-3	-7.0137184402 E-2	9.7113613169 E-1	7.0510880381 E-2
3.00	-1.1671370168 E-4	3.9426217944 E-3	-8.2962961671 E-2	9.6439338277 E-1	8.3439691495 E-2
3.25	-1.885204981 E-4	5.3948437880 E-3	-9.6696086593 E-2	9.5662081954 E-1	9.7300490986 E-2
3.50	-2.9388593373 E-4	7.242297372 E-3	-1.1127206314 E-1	9.4771388808 E-1	1.1203458250 E-1
3.75	-4.4410156840 E-4	9.4194322729 E-3	-1.2661642374 E-1	9.3756234872 E-1	1.2757430511 E-1
4.00	-6.5319660505 E-4	1.2090026397 E-2	-1.4264374300 E-1	9.2605096847 E-1	1.4384202427 E-1
4.25	-9.3810268069 E-4	1.5265891751 E-2	-1.5925663440 E-1	9.1306603104 E-1	1.6074903196 E-1
4.50	-1.3189988705 E-3	1.8996537373 E-2	-1.7634474609 E-1	8.9846758035 E-1	1.7819435465 E-1
4.75	-1.8196028510 E-3	2.3330360758 E-2	-1.9378377512 E-1	8.8214777349 E-1	1.9606347625 E-1
5.00	-2.4674220007 E-3	2.8313827079 E-2	-2.1143452613 E-1	8.6397486943 E-1	2.1422700028 E-1
5.25	-3.2939401055 E-3	3.3990545573 E-2	-2.2914205296 E-1	8.4382352332 E-1	2.3253930620 E-1
5.50	-4.3347058340 E-3	4.0400208085 E-2	-2.4673494504 E-1	8.2157123515 E-1	2.5083730714 E-1
5.75	-5.6292761250 E-3	4.7577339794 E-2	-2.6402486021 E-1	7.9710131639 E-1	2.6893949763 E-1
6.00	-7.2209477110 E-3	5.549795816 E-2	-2.8080647066 E-1	7.70306698433 E-1	2.8664560174 E-1
6.25	-9.1561886452 E-3	6.433623645 E-2	-2.965808615 E-1	7.4109700966 E-1	3.0373730239 E-1
6.50	-1.1483649511 E-2	7.3947308239 E-2	-3.1194335626 E-1	7.0940340022 E-1	3.1998075511 E-1
6.75	-1.4252668649 E-2	8.4376038426 E-2	-3.2581462676 E-1	6.751915972 E-1	3.3513184908 E-1
7.00	-1.7510689453 E-2	9.5601503953 E-2	-3.3821871057 E-1	6.3847332146 E-1	3.4894542477 E-1
7.25	-2.130712212 E-2	1.0758188575 E-1	-3.4890596325 E-1	5.9322218107 E-1	3.6118977010 E-1
7.50	-2.5656649036 E-2	1.2025177641 E-1	-3.5764348703 E-1	5.5789015548 E-1	3.7166747298 E-1
7.75	-3.0598896374 E-2	1.3351978545 E-1	-3.6423279730 E-1	5.1442263126 E-1	3.8024276678 E-1
8.00	-3.6129512109 E-2	1.4726849414 E-1	-3.6853109041 E-1	4.6926646328 E-1	3.8687350530 E-1
8.25	-4.2228651774 E-2	1.6135852847 E-1	-3.7047319930 E-1	4.2286392214 E-1	3.9164277010 E-1
8.50	-4.8853969115 E-2	1.7563840872 E-1	-3.7008877098 E-1	3.7572483711 E-1	3.9478163127 E-1
8.75	-5.5944780175 E-2	1.8996072570 E-1	-3.6750740985 E-1	3.2837266771 E-1	3.9667285603 E-1
9.00	-6.3431854087 E-2	2.0420297589 E-1	-3.6294547335 E-1	2.8126844304 E-1	3.9782819294 E-1
9.25	-7.1251796697 E-2	2.1828889574 E-1	-3.5667308664 E-1	2.3472684549 E-1	3.9884029326 E-1
9.50	-7.9363047484 E-2	2.3220505616 E-1	-3.4896716461 E-1	1.8884462499 E-1	4.0032991713 E-1
9.75	-8.7759893315 E-2	2.4600903986 E-1	-3.4006139797 E-1	1.4345731274 E-1	4.0284288069 E-1
10.00	-9.6482198868 E-2	2.5982903331 E-1	-3.3010356202 E-1	9.8127318894 E-2	4.0689968964 E-1

TABLE #9e - On late Coefficients d, p 6

C	r=10	r=12	r=14	r=16	r=18
0.25	1.5319269773 E -7	2.2953003246 E -11	2.3023825577 E -15	1.6702478520 E -19	9.2100954000 E -24
0.50	2.4496376228 E -6	1.4681213634 E -9	5.8905914047 E -13	1.7093127283 E -16	3.7737996936 E -20
0.75	1.2389047448 E -5	1.6706251784 E -8	1.5084940100 E -11	9.6469404026 E -15	4.8914601974 E -18
1.00	3.9101028771 E -5	9.3735926411 E -8	1.5083914576 E -10	1.7441502125 E -13	1.5430459365 E -16
1.25	9.5289197412 E -5	3.5693011136 E -7	8.9507289291 E -9	1.6233013636 E -12	2.2399313466 E -15
1.50	1.9715090191 E -4	1.0634241758 E -6	3.8401402767 E -9	1.0028868101 E -11	1.992713232 E -14
1.75	3.6427048817 E -4	2.6744686001 E -6	3.145537346 E -8	4.6728400941 E -11	1.2637940892 E -13
2.00	6.1948340325 E -4	5.9408470624 E -6	3.8140406933 E -8	1.7708414470 E -10	6.2535352609 E -13
2.25	9.8870776321 E -4	1.2001214159 E -5	9.7518459491 E -8	5.7305075946 E -10	2.5621122863 E -12
2.50	1.5007392804 E -3	2.2491928868 E -5	2.2564837333 E -7	1.6371156090 E -9	9.0346455180 E -12
2.75	2.1870046390 E -3	3.9666440332 E -5	4.8156840869 E -7	4.2278324747 E -9	2.8239104004 E -11
3.00	3.0812674848 E -3	6.6523509337 E -5	9.6128005624 E -7	1.0844203488 E -9	7.9845969944 E -11
3.25	4.2192801268 E -3	1.0693750594 E -4	1.8138182345 E -6	2.2244350943 E -8	2.0755830584 E -10
3.50	5.6383727628 E -3	1.6579469039 E -4	3.2621084059 E -6	4.4406473494 E -8	5.0222004285 E -10
3.75	7.3769705209 E -3	2.4912473429 E -4	5.6284681101 E -6	9.1934703811 E -8	1.14229448870 E -9
4.00	9.4740268162 E -3	3.6422713995 E -4	9.3659215831 E -6	1.7409942846 E -8	2.4616502542 E -9
4.25	1.1968359525 E -2	5.1978563453 E -4	1.5095244704 E -5	3.1685977113 E -7	5.0587473708 E -9
4.50	1.4897874510 E -2	7.2594402330 E -4	2.3648021188 E -5	5.5669377243 E -7	9.8665960893 E -9
4.75	1.8298659580 E -2	9.9447538494 E -4	3.6115556417 E -5	9.4766322937 E -7	1.8909281509 E -8
5.00	2.2203932083 E -2	1.3386149449 E -3	5.3903147685 E -5	1.5679592204 E -6	3.4678907029 E -8
5.25	2.6642826788 E -2	1.7732454743 E -3	7.8788741282 E -5	2.5281781474 E -6	6.1672307662 E -8
5.50	3.1639020515 E -2	2.3147230801 E -3	1.1298445143 E -4	3.9815650848 E -6	1.0644760981 E -7
5.75	3.7209210800 E -2	2.9807516640 E -3	1.5919883484 E -4	6.1364294385 E -6	1.7974827797 E -7
6.00	4.3361504504 E -2	3.7901576917 E -3	2.2069736343 E -4	9.2708904733 E -6	2.9588038069 E -7
6.25	5.0093838031 E -2	4.7625858128 E -3	3.0135854177 E -4	1.3750064708 E -5	4.7651685406 E -7
6.50	5.7392654729 E -2	5.9181342395 E -3	4.0572418159 E -4	2.0045810155 E -5	7.5202440807 E -7
6.75	6.5232217780 E -2	7.2769820367 E -3	5.3904549521 E -4	2.8759293844 E -5	1.184421116 E -6
7.00	7.3575141664 E -2	8.8591149608 E -3	7.0733344464 E -4	4.0647136125 E -5	1.7722270095 E -6
7.25	8.2374964515 E -2	1.0688337306 E -2	9.1743444536 E -4	5.6653018533 E -5	2.6530843881 E -6
7.50	9.1581795501 E -2	1.2772862935 E -2	1.1771722682 E -3	7.7948869382 E -5	3.9122467839 E -6
7.75	1.0115212091 E -1	1.5146891895 E -2	1.4956270721 E -3	1.0599358533 E -4	5.6900341113 E -6
8.00	1.1106352221 E -1	1.7833655063 E -2	1.8836558718 E -3	1.4262307031 E -4	8.1742912969 E -6
8.25	1.2133411356 E -1	2.0870373798 E -2	2.3547913861 E -3	1.9019301910 E -4	1.1416488001 E -5
8.50	1.3204490995 E -1	2.4311361351 E -2	2.9266689917 E -3	2.5180422360 E -4	1.6370828144 E -5
8.75	1.4336159097 E -1	2.8237098542 E -2	3.6231155642 E -3	3.3164771997 E -4	2.2915655363 E -5
9.00	1.5555141718 E -1	3.2764742102 E -2	4.4770003350 E -3	4.3551364146 E -4	3.1941782575 E -5
9.25	1.6899264605 E -1	3.805927496 E -2	5.5339423130 E -3	5.7151733904 E -4	4.4441275989 E -5
9.50	1.8417767261 E -1	4.4347171861 E -2	6.8570707231 E -3	7.5111800334 E -4	6.1858032339 E -5
9.75	2.0171526026 E -1	5.1928507668 E -2	8.5332373432 E -3	9.9054606937 E -4	8.6307664479 E -5
10.00	2.2233895616 E -1	6.1198630227 E -2	1.0681404420 E -2	1.3128401003 E -3	1.2090432222 E -4

TABLE 49b - Oblate Coefficients  $d_1^{06}$

C	r=20	r=22	r=24	r=26	r=28
0.25	4.0140629792 E-28	9.2801435360 E-28	1.6021241212 E-28	1.1183699097 E-29	5.0958095270 E-31
0.50	6.5726968312 E-24	6.0894752870 E-25	2.8378119555 E-26	9.6828232288 E-28	2.8070073012 E-29
0.75	1.916844054 E-21	6.0672322073 E-23	1.5724626914 E-24	3.7039892332 E-26	8.3165507681 E-28
1.00	1.0742879320 E-19	2.1516299116 E-21	4.1772069093 E-23	8.0625991736 E-25	1.5648194231 E-26
1.25	3.4382480186 E-18	3.9692623698 E-20	6.6803035925 E-22	1.1614766517 E-23	2.0813541928 E-24
1.50	3.1236129008 E-17	4.6636493405 E-19	7.3679335735 E-21	1.2206306701 E-22	2.1055484119 E-24
1.75	2.6963619956 E-16	3.9381206491 E-18	6.1180208546 E-20	1.0001933875 E-21	1.7068157066 E-23
2.00	1.7432284657 E-15	2.5837170998 E-17	4.0606002958 E-19	6.7005953225 E-21	1.1522438015 E-22
2.25	9.0364923192 E-15	1.3890013691 E-16	2.2481558329 E-18	3.8008861728 E-20	6.6703059129 E-22
2.50	3.9349065840 E-14	6.3554153856 E-16	1.0715437106 E-17	1.874778391 E-19	3.3874049178 E-21
2.75	1.4879163575 E-13	2.545293176 E-15	4.5033545217 E-17	8.2089189703 E-19	1.5365129059 E-20
3.00	5.0070099050 E-13	9.1142658309 E-15	1.7001379059 E-16	3.2434599454 E-18	6.3162796876 E-20
3.25	1.5276261790 E-12	2.9667276557 E-14	5.8513553924 E-16	1.1717939083 E-17	2.3812212371 E-19
3.50	4.2872240951 E-12	8.8939537128 E-14	1.8578562941 E-15	3.9129213423 E-17	8.3141970620 E-19
3.75	1.1195182239 E-11	2.4817462624 E-13	5.4950018972 E-15	1.2185334509 E-16	2.710720202 E-18
4.00	2.7453157421 E-11	6.5014694671 E-13	1.56242059597 E-14	3.5653801771 E-16	8.3107900351 E-18
4.25	6.3699320319 E-11	1.6104855217 E-12	4.0074384865 E-14	9.8638752565 E-16	2.4100862370 E-17
4.50	1.407232555 E-10	3.7947675105 E-12	1.0004459083 E-13	2.5941440733 E-15	6.4446664155 E-17
4.75	2.9754757364 E-10	8.5483890906 E-12	2.3661171779 E-13	6.5156697998 E-15	1.7493319120 E-16
5.00	6.0479852499 E-10	1.8489103595 E-11	5.4596049927 E-13	1.5694479624 E-14	4.4145938488 E-16
5.25	1.1861936080 E-9	3.8536813211 E-11	1.2026978344 E-12	3.6359533794 E-14	1.0714838633 E-15
5.50	2.2520733230 E-9	7.765000180 E-11	2.5587602008 E-12	8.1309990110 E-14	2.5086852736 E-15
5.75	4.1504129428 E-9	1.5167349136 E-10	5.2718742064 E-12	1.7595793224 E-13	5.6810322467 E-15
6.00	7.4425753275 E-9	2.8789124167 E-10	1.0544134366 E-11	3.6936930020 E-13	1.2473287453 E-14
6.25	1.3013349960 E-8	2.8789124167 E-10	2.0514668845 E-11	7.5379875065 E-13	2.6612680663 E-14
6.50	2.2227661257 E-8	9.5968585666 E-10	3.8914502427 E-11	1.4986041848 E-12	5.5296159988 E-14
6.75	3.7150036672 E-8	1.6916216372 E-9	7.2082751277 E-11	2.9081766536 E-12	1.1213564237 E-13
7.00	6.0848257068 E-8	2.9192073021 E-9	1.3063269986 E-10	5.5198611532 E-12	2.2244022923 E-13
7.25	9.7811265024 E-8	4.9399069062 E-9	2.3204423106 E-10	1.0268833086 E-11	4.3266170128 E-13
7.50	1.5452682646 E-7	8.2108526881 E-9	4.0479331127 E-10	1.876484512 E-11	8.2732734886 E-13
7.75	2.4029289291 E-7	1.342917473 E-8	6.9496019851 E-10	3.377267858 E-11	1.5595797695 E-12
8.00	3.6838813836 E-7	5.5781557840 E-7	1.1769720572 E-9	6.0018125697 E-11	2.9066447079 E-12
8.25	5.5781557840 E-7	2.1655075329 E-8	1.9713190478 E-9	1.0560702843 E-10	5.3711652352 E-12
8.50	8.3597454935 E-7	3.4504555173 E-8	3.2741126465 E-9	1.8450254355 E-10	9.8670595690 E-12
8.75	1.2428272516 E-6	4.546744819 E-8	5.4067273301 E-9	3.2087191350 E-10	1.8061214939 E-11
9.00	1.8374284495 E-6	8.5349307822 E-8	8.8994230558 E-9	5.5673615741 E-10	3.3002564400 E-11
9.25	2.7081269907 E-6	1.3318007473 E-7	1.4632422485 E-8	9.6545760102 E-10	
9.50	3.9884269389 E-6	2.0740445140 E-7	2.4074232644 E-8		
9.75	5.8815936018 E-6	3.2303500472 E-7			
10.00	8.6988635442 E-6	5.0404242554 E-7			

TABLE 50 - Oblate Coefficients  $d_{l,0}^{(7)}$

C	r = 1	r = 3	r = 5	r = 7	r = 9
0.25	-2.9479294619 E-11	1.4859245833 E-7	-5.1782147568 E-4	1.0001398963 E 0	5.1910301398 E-4
0.50	-1.8867269305 E-9	2.3783532240 E-6	-2.0721234796 E-3	1.0005568445 E 0	2.0772728997 E-3
0.75	-2.1491919330 E-8	1.2047769167 E-5	-4.6654008888 E-3	1.0012427344 E 0	4.6770800286 E-3
1.00	-1.2076213005 E-7	3.8109331602 E-5	-8.3017522842 E-3	1.0021838648 E 0	8.3227678325 E-3
1.25	-4.6069726914 E-7	9.3141672055 E-5	-1.2986790515 E-2	1.0033611086 E 0	1.3020192074 E-2
1.50	-1.3757066811 E-6	1.93339377675 E-4	-1.8727517280 E-2	1.0047497636 E 0	1.8776735944 E-2
1.75	-3.4691471238 E-6	3.5884048627 E-4	-2.5532161548 E-2	1.0063195121 E 0	2.5601201151 E-2
2.00	-7.7299837400 E-6	6.1324823333 E-4	-3.3409981685 E-2	1.0080343506 E 0	3.3503675260 E-2
2.25	-1.5670389005 E-5	9.8424965635 E-4	-4.2371031165 E-2	1.0098525100 E 0	4.2495375737 E-2
2.50	-2.9483950405 E-5	1.5034257426 E-3	-5.2425887919 E-2	1.0117263709 E 0	5.2588471342 E-2
2.75	-5.2223962312 E-5	2.2063926949 E-3	-6.3585347503 E-2	1.0136023750 E 0	6.3795881884 E-2
3.00	-8.8001014640 E-5	3.1328925688 E-3	-7.5860080565 E-2	1.0154209369 E 0	7.6131057812 E-2
3.25	-1.4219876207 E-4	4.3268834890 E-3	-8.8260255434 E-2	1.0171163611 E 0	8.9607741742 E-2
3.50	-2.2170634675 E-4	5.8366269876 E-3	-1.0379512711 E-1	1.0186167676 E 0	1.0423971495 E-1
3.75	-3.3516545082 E-4	7.7147683060 E-3	-1.1947259457 E-1	1.0198440340 E 0	1.2004053305 E-1
4.00	-4.9322936439 E-4	1.0018405171 E-2	-1.3629872927 E-1	1.0207137600 E 0	1.3702325679 E-1
4.25	-7.0883076387 E-4	1.2809139782 E-2	-1.5427277723 E-1	1.0211352641 E 0	1.5520018603 E-1
4.50	-9.9745410313 E-4	1.6153107972 E-2	-1.7340914407 E-1	1.0210116226 E 0	1.7458260820 E-1
4.75	-1.3774076321 E-3	2.0120978732 E-2	-1.9369186312 E-1	1.0202397634 E 0	1.9518057614 E-1
5.00	-1.8700890878 E-3	2.4787916633 E-2	-2.1511906337 E-1	1.0187106294 E 0	2.1700273562 E-1
5.25	-2.5002381005 E-3	3.0233499303 E-2	-2.3767994446 E-1	1.0163094254 E 0	2.4005622894 E-1
5.50	-3.2961673949 E-3	3.6541583357 E-2	-2.6135879197 E-1	1.0129159674 E 0	2.6434670879 E-1
5.75	-4.2899640808 E-3	4.3800103387 E-2	-2.8613451527 E-1	1.0084051450 E 0	2.8987850564 E-1
6.00	-5.5176519408 E-3	5.2100835503 E-2	-3.1198030959 E-1	1.0026475989 E 0	3.1665500143 E-1
6.25	-7.0193059612 E-3	6.1539050197 E-2	-3.3886341336 E-1	9.9550998211 E-1	3.4467927243 E-1
6.50	-8.8391118795 E-3	7.2213169936 E-2	-3.6674505367 E-1	9.8685667834 E-1	3.7395507256 E-1
6.75	-1.1025366838 E-2	8.4224363952 E-2	-3.958062658 E-1	9.7654978530 E-1	4.0448823320 E-1
7.00	-1.3630423050 E-2	9.7674171046 E-2	-4.2532018301 E-1	9.6445043496 E-1	4.3628855447 E-1
7.25	-1.6710585449 E-2	1.1267420130 E-1	-4.5590929175 E-1	9.5041943603 E-1	4.6937225163 E-1
7.50	-2.0325987158 E-2	1.2932601407 E-1	-4.8729034616 E-1	9.3431768619 E-1	5.03764499622 E-1
7.75	-2.4540483551 E-2	1.4774130067 E-1	-5.1940436383 E-1	9.1600601798 E-1	5.3950555099 E-1
8.00	-2.9421626050 E-2	1.6803253317 E-1	-5.5219324490 E-1	8.9534416915 E-1	5.7664994062 E-1
8.25	-3.5040799167 E-2	1.9031626857 E-1	-5.8560280355 E-1	8.7218851651 E-1	6.1527602832 E-1
8.50	-4.1473625948 E-2	2.1471533301 E-1	-6.1958541915 E-1	8.4638818412 E-1	6.5548828802 E-1
8.75	-4.8800764285 E-2	2.4136194739 E-1	-6.5410387355 E-1	8.1777741492 E-1	6.9742248454 E-1
9.00	-5.7109225739 E-2	2.7040238908 E-1	-6.8913435996 E-1	7.8617598655 E-1	7.4124991218 E-1
9.25	-6.6494346719 E-2	3.0200261404 E-1	-7.2466937958 E-1	7.5136110457 E-1	7.8718080908 E-1
9.50	-7.7062528342 E-2	3.3635559634 E-1	-7.6071979887 E-1	7.1307120498 E-1	8.3546656763 E-1
9.75	-8.8934838792 E-2	3.7368995040 E-1	-7.9731573185 E-1	6.7098113619 E-1	8.8440039746 E-1
10.00	-1.0225154619 E-1	4.1427990120 E-1	-8.3450589024 E-1	6.2468510895 E-1	9.4031615425 E-1

TABLE 50a - Oblate Coefficients  $d_1^{07}$

C	r=11	r=13	r=15	r=17	r=19
0.25	1.1768993451 E -7	1.5838178042 E -11	1.4428616775 E -15	9.5908650845 E -20	4.8859494390 E -24
0.50	1.8838151062 E -6	1.01405922614 E -9	3.6952357443 E -13	9.8250444342 E -17	2.0020985451 E -20
0.75	9.5433590989 E -6	1.1558672472 E -8	9.4769481733 E -12	5.6694758462 E -16	2.5994149C62 E -18
1.00	3.0190663601 E -5	6.5006476272 E -8	9.4753266910 E -11	1.0077332343 E -13	8.2140114626 E -17
1.25	7.3798404903 E -5	2.4828615292 E -7	5.6547135961 E -10	9.3968470484 E -13	1.1967732441 E -15
1.50	1.5325801363 E -4	1.8756554349 E -6	2.4351108835 E -9	5.8271217406 E -12	1.0686785729 E -14
1.75	2.8443140692 E -4	4.1879618935 E -6	8.3725769243 E -9	2.7271362165 E -11	6.8076241406 E -14
2.00	4.8621389029 E -4	8.5101710372 E -6	2.4418411687 E -8	1.0388174488 E -10	3.3870066566 E -13
2.25	7.8060809697 E -4	1.6055628869 E -5	6.2801868005 E -8	3.3814973200 E -10	1.3953962800 E -12
2.50	1.1928088743 E -3	1.6055628869 E -5	1.4628441727 E -7	9.7244216072 E -10	4.9542445009 E -12
2.75	1.7512991128 E -3	2.8526772554 E -5	3.1451325043 E -7	2.5299398102 E -9	1.5596375365 E -11
3.00	2.4879566594 E -3	4.8236979118 E -5	6.3297179568 E -7	6.0598254672 E -9	4.4467102800 E -11
3.25	3.4381726849 E -3	7.8248831802 E -5	1.2052022011 E -6	1.3542410291 E -8	1.1661558529 E -10
3.50	4.6409822226 E -3	1.2253007134 E -4	2.1890856713 E -6	2.8530837986 E -8	2.8495618400 E -10
3.75	6.1392080954 E -3	1.6612874558 E -4	3.8180902615 E -6	5.7132435861 E -8	6.551124754 E -10
4.00	7.9796201769 E -3	2.7535938048 E -4	6.4285394458 E -6	1.0946580742 E -7	1.4283040055 E -9
4.25	1.0213112961 E -2	3.9807239429 E -4	1.0494126061 E -5	2.0177078467 E -7	2.9725028781 E -9
4.50	1.2894905871 E -2	5.6379950023 E -4	1.6669094241 E -5	3.5939917462 E -7	5.9349760318 E -9
4.75	1.6084772749 E -2	7.8412854159 E -4	2.5841771993 E -5	6.2097719038 E -7	1.1831885459 E -8
5.00	1.9847309808 E -2	1.0729621490 E -3	3.9200433050 E -5	1.0441086829 E -6	2.1503405370 E -8
5.25	2.4252255111 E -2	1.4468758992 E -3	5.8313871508 E -5	1.7130860413 E -6	3.8546753004 E -8
5.50	2.9374877844 E -2	1.9255134233 E -3	8.5229576265 E -5	2.7491987873 E -6	6.7915454318 E -8
5.75	3.529462452 E -2	2.5320383372 E -3	1.2259306353 E -4	4.3243866826 E -6	1.1680645177 E -7
6.00	4.2104921593 E -2	3.2936561777 E -3	1.7379281819 E -4	6.6791862113 E -6	1.9452910703 E -7
6.25	4.9895583028 E -2	4.2422240154 E -3	2.4313649715 E -4	1.0146183035 E -5	3.2410427547 E -7
6.50	5.8772209303 E -2	5.4149714165 E -3	3.3606567657 E -4	1.5180531708 E -5	5.2479097502 E -7
6.75	6.8848325249 E -2	6.8553443352 E -3	4.5941863403 E -4	2.2399570196 E -5	8.3540776218 E -7
7.00	8.0248946544 E -2	8.6141537386 E -3	6.217538448 E -4	3.2634185967 E -5	1.3102109122 E -6
7.25	9.3172822084 E -2	1.0750663668 E -2	8.3374928065 E -4	4.6995444475 E -5	2.0256220396 E -6
7.50	1.0759532132 E -1	1.3334389341 E -2	1.1087035398 E -3	6.6961153113 E -5	3.0914782639 E -6
7.75	1.2387211550 E -1	1.6446994938 E -2	1.4631606117 E -3	9.4488613589 E -5	4.6627285741 E -6
8.00	1.4214381209 E -1	2.0184822900 E -2	1.9177031385 E -3	1.3216195474 E -4	6.9570486304 E -6
8.25	1.626470853 E -1	2.462051752 E -2	2.4979593215 E -3	1.8338531538 E -4	1.0278731164 E -5
8.50	1.8563482834 E -1	3.0014667459 E -2	3.2358886703 E -3	2.5263698803 E -4	1.5031482312 E -5
8.75	2.1143839447 E -1	3.6405444168 E -2	4.1714281017 E -3	3.4580472004 E -4	2.1663485285 E -5
9.00	2.4042388275 E -1	4.4030164370 E -2	5.3546021544 E -3	4.7062905097 E -4	3.1529374628 E -5
9.25	2.7303078914 E -1	5.3125347322 E -2	6.8482281943 E -3	6.3729028804 E -4	4.5175520166 E -5
9.50	3.0978024404 E -1	6.3977800021 E -2	8.7313805865 E -3	8.5918605285 E -4	6.4357412928 E -5
9.75	3.5129062123 E -1	7.6936359991 E -2	1.1103819039 E -2	1.1539609959 E -3	9.1221191579 E -5
10.00	3.9829532079 E -1	9.2426266551 E -2	1.4091636470 E -2	1.5448691926 E -3	1.2872573135 E -4

TABLE 50b - Oblate Coefficients 4.07

C	r=21	r=23	r=25	r=27	r=29
0.25	1.9756210675 E-28	4.2680277869 E-28	6.9210862812 E-29	4.5590818960 E-30	1.0883601674 E-29
0.50	3.2381709067 E-24	2.8053145560 E-25	1.2288114786 E-26	3.9592555350 E-26	3.2388963188 E-26
0.75	9.5595827278 E-22	2.9016599045 E-23	6.829982737 E-23	1.5201975409 E-24	6.1255749805 E-27
1.00	5.3140877886 E-20	9.9057913662 E-20	1.8210445502 E-23	3.3237403302 E-25	8.1954027304 E-26
1.25	1.2097766848 E-18	1.8453250459 E-20	2.9252171868 E-22	4.8127330980 E-24	8.3434000134 E-25
1.50	1.5556197659 E-17	2.1777658636 E-19	2.9252171868 E-22	3.3237403302 E-25	3.2388963188 E-26
1.75	1.3487983808 E-16	1.8484375277 E-18	3.2429289168 E-21	4.8127330980 E-24	6.1255749805 E-27
2.00	8.7650505216 E-16	1.2198468060 E-17	2.7086076437 E-20	5.0875424337 E-23	8.1954027304 E-26
2.25	4.5703136022 E-15	6.6012886022 E-17	1.8096219617 E-19	4.1963350760 E-22	8.3434000134 E-25
2.50	2.0033115276 E-14	3.0427423185 E-16	1.0092947671 E-18	2.8319784874 E-21	4.8127330980 E-24
2.75	7.6311680964 E-14	1.2285501524 E-15	4.8498951604 E-18	1.6195309050 E-20	4.6381378716 E-23
3.00	2.5869870054 E-13	4.4387718107 E-15	2.0565492104 E-17	8.0599184512 E-20	2.7090565486 E-22
3.25	7.9700309317 E-13	1.4590450088 E-14	7.8402634113 E-17	3.5637323218 E-19	1.3892271459 E-21
3.50	2.2587927587 E-12	4.4209560844 E-14	2.7272518435 E-16	1.4231255589 E-18	6.3687218844 E-21
3.75	5.9617261292 E-12	1.2479816597 E-13	8.7599235568 E-16	5.2011214485 E-18	2.4403870335 E-20
4.00	1.4790233027 E-11	3.3106475844 E-13	2.6233797967 E-15	1.7586314723 E-17	1.0189720309 E-19
4.25	3.4752281108 E-11	8.3129593065 E-13	7.3862152438 E-15	5.5511260798 E-17	3.5778249190 E-19
4.50	7.7827364010 E-11	1.9877338197 E-12	1.9680305878 E-14	1.6481268633 E-16	1.1834477845 E-18
4.75	1.6700028350 E-10	4.5492864137 E-12	4.9914006979 E-14	4.6321097318 E-16	3.6863868025 E-18
5.00	3.4489265274 E-10	1.0009509848 E-11	1.2109703397 E-13	1.2391383914 E-15	1.0873373516 E-17
5.25	6.8817386157 E-10	2.1252435745 E-11	2.8223356447 E-13	3.1700198397 E-15	3.0532627623 E-17
5.50	1.3310618018 E-9	4.368778408 E-11	6.3424028402 E-13	7.7873007864 E-15	8.1989498089 E-17
5.75	2.5028592449 E-9	8.7200691978 E-11	1.3787211098 E-12	1.8435546696 E-14	2.1137882477 E-16
6.00	4.5868217282 E-9	1.6943231706 E-10	2.9074982144 E-12	4.2193675757 E-14	5.2503363899 E-16
6.25	8.2110088981 E-9	3.2119958113 E-10	5.9633285002 E-12	5.3623754884 E-14	1.2603162221 E-15
6.50	1.4382547210 E-8	5.9530611425 E-10	1.1922691749 E-11	2.0191502373 E-13	2.9318454859 E-15
6.75	2.4715519363 E-8	1.080650967 E-9	3.3284674550 E-11	4.2421231137 E-13	6.6240451542 E-15
7.00	4.1700347110 E-8	1.9246603609 E-9	4.4562871135 E-11	8.7001446867 E-13	1.4581445348 E-14
7.25	6.9200283806 E-8	3.3681802398 E-9	8.3381610168 E-11	1.7450865984 E-12	3.1309376765 E-14
7.50	1.1310027467 E-7	5.8000185941 E-9	1.5339123812 E-10	3.4293135080 E-12	6.5719911095 E-14
7.75	1.8228558114 E-7	9.8407227864 E-9	2.7746744261 E-10	6.6129087863 E-12	1.3509079463 E-13
8.00	2.9005597239 E-7	1.6471038658 E-8	4.9419028914 E-10	1.2531959685 E-11	2.7237241186 E-13
8.25	4.5617139266 E-7	2.7227692884 E-8	8.6775687165 E-10	2.3371623063 E-11	5.3944413885 E-13
8.50	7.0980458283 E-7	4.4500433845 E-8	1.5039720131 E-9	4.2950186245 E-11	1.0510748242 E-12
8.75	1.0937961865 E-6	7.1982555421 E-8	2.5757450108 E-9	7.7870636336 E-11	2.0171813732 E-12
9.00	1.6707799256 E-6	1.1524759237 E-7	4.3635509028 E-9	1.3944596062 E-10	3.8179152049 E-12
9.25	2.5319912030 E-6	1.8327182770 E-7	7.3193436761 E-9	2.4689827768 E-10	7.1345937825 E-12
9.50	3.8099221969 E-6	2.8896569925 E-7	1.2167182801 E-8	4.3264476552 E-10	1.3177327713 E-11
9.75	5.6964119688 E-6	4.5246801958 E-7	2.0060694065 E-8	7.5098573481 E-10	2.4077720240 E-11
10.00	8.4690188681 E-6				

TABLE 51 - Oblate Coefficients  $d_1^{0,8}$

C	$r = 0$	$r = 2$	$r = 4$	$r = 6$	$r = 8$
0.25	2.4084318030 E-15	-2.0405809054 E-11	1.1534980912 E-7	-4.5746455014 E-4	9.9988935950 E-1
0.50	6.1657014558 E-13	-1.3310132072 E-9	1.8449370476 E-6	-1.8292340718 E-3	9.9955477614 E-1
0.75	1.5802480385 E-11	-1.5150450024 E-8	9.33439622234 E-6	-4.1134163020 E-3	9.984827168 E-1
1.00	1.5785232351 E-10	-8.5041392914 E-8	2.9476337168 E-5	-7.3067912968 E-3	9.9817657396 E-1
1.25	9.4091002079 E-10	-3.2399492694 E-7	7.1884528155 E-5	-1.1404712466 E-2	9.9710115486 E-1
1.50	4.0458870782 E-9	-9.6593290070 E-7	1.4885646422 E-4	-1.6400968624 E-2	9.9573828491 E-1
1.75	1.3886711068 E-8	-2.4311973996 E-6	2.7532303922 E-4	-2.2287607621 E-2	9.9405910571 E-1
2.00	4.0414603599 E-8	-5.4054646924 E-6	4.6878368399 E-4	-2.9054722673 E-2	9.9202972216 E-1
2.25	1.0369306574 E-7	-1.0931376799 E-5	7.4922498578 E-4	-3.6690201587 E-2	9.8961131629 E-1
2.50	2.4087078598 E-7	-2.0512029938 E-5	1.1390204687 E-3	-4.5179441575 E-2	9.8676028539 E-1
2.75	5.1627100858 E-7	-3.6225294243 E-5	1.662808969 E-3	-5.4505029842 E-2	9.8342840706 E-1
3.00	1.0354056938 E-6	-6.084762969 E-5	2.3473481624 E-3	-6.4646392656 E-2	9.7956303439 E-1
3.25	1.9638007457 E-6	-9.7986941865 E-5	3.2213415551 E-3	-7.5579414849 E-2	9.7510732442 E-1
3.50	3.5515969413 E-6	-1.5222009119 E-4	4.31522329726 E-3	-8.7276032390 E-2	9.700050381 E-1
3.75	6.1649493274 E-6	-2.2923792499 E-4	5.609674445 E-3	-9.9703801033 E-2	9.6417817520 E-1
4.00	1.0325296604 E-5	-3.3599115614 E-4	7.2917132112 E-3	-1.1282544452 E-1	9.5757266842 E-1
4.25	1.6757600669 E-5	-4.8083765382 E-4	9.2415415323 E-3	-1.2659838629 E-1	9.5011344038 E-1
4.50	2.64486654088 E-5	-6.7368775363 E-4	1.1545060420 E-2	-1.4097426917 E-1	9.4172752785 E-1
4.75	4.0716537158 E-5	-9.2614503358 E-4	1.4236984609 E-2	-1.5589846805 E-1	9.3234005682 E-1
5.00	6.1292227645 E-5	-1.2516396414 E-3	1.7351736295 E-2	-1.7130960127 E-1	9.2187481233 E-1
5.25	9.0414267522 E-5	-1.6655510337 E-3	2.0922779536 E-2	-1.8713904679 E-1	9.1025487214 E-1
5.50	1.3093722092 E-4	-2.1853167610 E-3	2.4982175698 E-2	-2.0331047013 E-1	8.9740330732 E-1
5.75	1.8645442867 E-4	-2.8305237030 E-3	2.9559867933 E-2	-2.1973937138 E-1	8.8324395261 E-1
6.00	2.6143525432 E-4	-3.6229779104 E-3	3.4682987485 E-2	-2.3633265954 E-1	8.6770225030 E-1
6.25	3.6137660918 E-4	-4.5867489212 E-3	4.0375083451 E-2	-2.5298826281 E-1	8.5070616646 E-1
6.50	4.9296801414 E-4	-5.7481840516 E-3	4.655290657 E-2	-2.6959478447 E-1	8.3218718984 E-1
6.75	6.6426877061 E-4	-7.1358876433 E-3	5.3537437292 E-2	-2.8603121518 E-1	8.1208141134 E-1
7.00	8.8489492085 E-4	-8.7806594895 E-3	6.1029095059 E-2	-3.0216671390 E-1	7.9033069638 E-1
7.25	1.1662125042 E-3	-1.0715385491 E-2	6.9130575667 E-2	-3.1786047300 E-1	7.6688396113 E-1
7.50	1.5215320479 E-3	-1.2974871834 E-2	7.7833878689 E-2	-3.3296168753 E-1	7.4169857267 E-1
7.75	1.9662971034 E-3	-1.5595611295 E-2	8.7121597317 E-2	-3.4730965682 E-1	7.1474190276 E-1
8.00	2.5182567138 E-3	-1.8615466412 E-2	9.6965790861 E-2	-3.6073405929 E-1	6.8599307753 E-1
8.25	3.1976076455 E-3	-2.2073248701 E-2	1.0732683682 E-1	-3.7305546128 E-1	6.554498091 E-1
8.50	4.0270866123 E-3	-2.6008165602 E-2	1.1815228263 E-1	-3.8408615060 E-1	6.2310658519 E-1
8.75	5.0319850671 E-3	-3.0459097124 E-2	1.2937572977 E-1	-3.936142768 E-1	5.8900569536 E-1
9.00	6.2400489030 E-3	-3.5463652659 E-2	1.4091580501 E-1	-4.0149154532 E-1	5.5319219659 E-1
9.25	7.6812126278 E-3	-4.1056946351 E-2	1.5261530857 E-1	-4.074456066 E-1	5.1574187661 E-1
9.50	9.3871021636 E-3	-4.727020269 E-2	1.6454068345 E-1	-4.113504690 E-1	4.7676083639 E-1
9.75	1.1390225827 E-2	-5.4127845101 E-2	1.7638202766 E-1	-4.1295688948 E-1	4.3639037826 E-1
10.00	1.37227635578 E-2	-6.1646850558 E-2	1.8805397357 E-1	-4.1210722864 E-1	3.9481203277 E-1



TABLE 51e - Oblate Coefficients 408

C	r=10	r=12	r=14	r=16	r=18
0.25	4.5823469881 E -4	9.3178392829 E -8	1.1378461469 E -11	9.4925948450 E -16	5.8219751075 E -20
0.50	1.8323233161 E -3	1.4903514544 E -6	7.2797501262 E -10	2.42224791665 E -13	3.434600173 E -15
0.75	4.1204031034 E -3	7.5406444254 E -6	8.2873986043 E -9	6.2224668576 E -12	3.434600173 E -15
1.00	7.3193151074 E -3	2.3813197842 E -5	4.65249094970 E -8	6.2104808344 E -11	6.0939611535 E -14
1.25	1.1424523212 E -2	5.8077691581 E -5	1.7730380710 E -7	3.6979314609 E -10	5.6696146134 E -13
1.50	1.6430000202 E -2	1.2027633212 E -4	5.2873581757 E -7	1.5880361566 E -9	3.5060545782 E -12
1.75	2.2328083380 E -2	2.248655887 E -4	1.3313116216 E -6	5.4423017861 E -9	1.6354490964 E -11
2.00	2.9109298224 E -2	3.7887351595 E -4	2.9611917686 E -6	1.5811041050 E -8	6.2058798635 E -11
2.25	3.6762152062 E -2	6.0563112878 E -4	5.9910744423 E -6	4.0486937156 E -8	2.0112692654 E -10
2.50	4.5272898258 E -2	9.2091042097 E -4	1.1247519390 E -5	9.3842254727 E -8	5.7554544544 E -10
2.75	5.4625272036 E -2	1.34473335064 E -3	1.9874655487 E -5	2.0065488503 E -7	1.4891267641 E -9
3.00	6.4800199228 E -2	1.8988914949 E -3	3.3403537379 E -5	4.0137546224 E -7	3.5451180556 E -9
3.25	7.5775479433 E -2	2.6068243579 E -3	5.3826463636 E -5	7.5913524636 E -7	7.8695631917 E -9
3.50	8.7525445314 E -2	3.4934806110 E -3	8.3675420854 E -5	1.3688084629 E -6	1.6458059421 E -8
3.75	1.0002059998 E -1	4.5851544877 E -3	1.2610367327 E -4	2.3684504542 E -6	3.2494207617 E -8
4.00	1.1322723468 E -1	5.9092980930 E -3	1.8496935343 E -4	3.9534331624 E -6	6.2100182513 E -8
4.25	1.2710702919 E -1	7.4943058439 E -3	2.6491972374 E -4	6.3935907720 E -6	1.1339334861 E -7
4.50	1.4161663767 E -1	9.3692683119 E -3	3.7147456803 E -4	1.0055669159 E -5	1.9993754334 E -7
4.75	1.5670726240 E -1	1.1563692383 E -2	5.110693316 E -4	1.5417341212 E -5	3.4169327313 E -7
5.00	1.7232421959 E -1	1.4107184425 E -2	6.9131916763 E -4	2.3115003775 E -5	5.6778723731 E -7
5.25	1.8840649828 E -1	1.7029092883 E -2	9.2071189101 E -4	3.3955508026 E -5	9.1983778057 E -7
5.50	2.0488631734 E -1	2.0358106430 E -2	1.2090831662 E -3	4.8961890112 E -5	1.4561883675 E -6
5.75	2.2168848249 E -1	2.4121803368 E -2	1.5672747259 E -3	6.9411058199 E -5	2.2972150275 E -6
6.00	2.3873094619 E -1	2.8346147553 E -2	2.0076016082 E -3	9.6877250382 E -5	3.4318046857 E -6
6.25	2.5592237348 E -1	3.3054925485 E -2	2.5434609757 E -3	1.3327889795 E -4	5.1257477423 E -6
6.50	2.7316371634 E -1	3.8269118565 E -2	3.1895151992 E -3	1.8092830179 E -4	7.5305480371 E -6
6.75	2.9034680043 E -1	4.4006203868 E -2	3.9616034824 E -3	2.4258324565 E -4	1.0895623686 E -5
7.00	3.0735412973 E -1	5.0279376199 E -2	4.8766553725 E -3	3.2149931781 E -4	1.5341249687 E -5
7.25	3.2405851851 E -1	5.7096684168 E -2	5.9525584831 E -3	4.2148128070 E -4	2.1874033353 E -5
7.50	3.4032276748 E -1	6.4460073939 E -2	7.2079717268 E -3	5.4693131076 E -4	3.0404411709 E -5
7.75	3.5599941305 E -1	7.2344337162 E -2	8.6620744985 E -3	7.0289133382 E -4	4.17466210830 E -5
8.00	3.7093059874 E -1	8.0795965933 E -2	1.0334241934 E -2	8.9507603651 E -4	5.6738107392 E -5
8.25	3.8494814783 E -1	8.9731929511 E -2	1.2243637217 E -2	1.1298925239 E -3	7.626682984 E -5
8.50	3.9787396143 E -1	9.9138408404 E -2	1.4408714968 E -2	1.4144421912 E -3	1.0149059329 E -4
8.75	4.0952092823 E -1	1.0896955551 E -1	1.6846636783 E -2	1.7565005001 E -3	1.3376521824 E -4
9.00	4.1969461591 E -1	1.1916440719 E -1	1.9572613387 E -2	2.1644715706 E -3	1.7468708465 E -4
9.25	4.2819611801 E -1	1.2965614582 E -1	2.2599211389 E -2	2.6473177071 E -3	2.2611749220 E -4
9.50	4.3482654774 E -1	1.4035202539 E -1	2.5935700777 E -2	3.2144705953 E -3	2.9020536110 E -4
9.75	4.3939377975 E -1	1.5115441540 E -1	2.9587577371 E -2	3.8757428464 E -3	3.6941073625 E -4
10.00	4.4172209530 E -1	1.6195358516 E -1	3.3556476364 E -2	4.6412782609 E -3	4.6653371954 E -4

TABLE 51b - Oblate Coefficients  $d_{1,0}^0$

C	r=20	r=22	r=24	r=26	r=28
0.25	2.7533310544 E-24	1.0390544153 E-28	2.1030245514 E-28	3.20611610738 E-29	1.9915214424 E-30
0.50	1.1273797753 E-20	1.7018051766 E-24	1.3805646667 E-25	5.6824472371 E-27	1.7255977121 E-28
0.75	1.4619018809 E-18	4.9652373838 E-22	1.3763521959 E-23	8.3788805302 E-24	6.607236495 E-27
1.00	4.6114406646 E-17	2.7844255983 E-20	4.8847626016 E-21	1.3474769698 E-22	1.4398287018 E-25
1.25	6.7036379654 E-16	6.3245486809 E-19	9.0198126039 E-21	1.4814734026 E-21	2.076856558 E-24
1.50	5.9695124892 E-15	8.109988835 E-18	1.0609635328 E-19	1.2319562750 E-20	2.185821758 E-23
1.75	3.7901161271 E-14	7.0085672835 E-17	8.9706887500 E-19	8.1900469117 E-20	1.7940064244 E-22
2.00	1.8784772196 E-13	4.5370012235 E-16	5.8941312018 E-18	4.5426673839 E-19	1.2040325115 E-21
2.25	7.7051840129 E-13	2.3553468941 E-15	3.1738929388 E-17	2.1695058334 E-18	6.8433878112 E-21
2.50	2.7221695271 E-12	1.0273249504 E-14	1.4548768226 E-16	9.1376305237 E-18	3.3827975604 E-20
2.75	8.5224329907 E-12	3.8917947517 E-14	5.8383726554 E-16	3.4578900496 E-17	1.4846809619 E-19
3.00	2.4146529931 E-11	1.3122890548 E-13	2.0952258904 E-15	1.1931638745 E-16	5.8811380710 E-19
3.25	6.2909844087 E-11	4.0126618767 E-13	6.8363891829 E-15	3.7989589494 E-16	2.1305871818 E-18
3.50	1.5259536828 E-10	1.288700402 E-12	2.0548197687 E-14	1.1270113608 E-15	7.1357630963 E-18
3.75	3.4801017139 E-10	2.955974069 E-12	5.7499159678 E-14	3.1404317173 E-15	2.2293190511 E-17
4.00	7.5216128337 E-10	7.2886182189 E-12	1.5109279729 E-13	8.2751808138 E-15	6.5456182734 E-17
4.25	1.5506427373 E-9	1.6917930481 E-11	3.7551669729 E-13	2.0738176378 E-14	1.8177315126 E-16
4.50	3.0656579686 E-9	3.7501668792 E-11	8.8801711182 E-13	4.966868840 E-14	4.8001998258 E-16
4.75	5.8384427593 E-9	7.9586391404 E-11	2.0082678932 E-12	1.1416469638 E-13	1.2110451531 E-15
5.00	1.0751781598 E-8	1.6241912401 E-10	4.3622284716 E-12	2.5275062666 E-13	2.9307790124 E-15
5.25	1.9207896625 E-8	3.1995419999 E-10	9.1347460934 E-12	5.4037440905 E-13	6.8273637820 E-15
5.50	3.3381301667 E-8	6.1038291391 E-10	1.8500522951 E-11	1.1263364677 E-12	1.5357038070 E-14
5.75	5.6571290932 E-8	1.1308438934 E-9	3.6340348096 E-11	2.2559955626 E-12	3.3444482625 E-14
6.00	9.3684597935 E-8	2.0396367323 E-9	6.903106537 E-11	4.4207203095 E-12	7.0688193238 E-14
6.25	1.5188537595 E-7	3.5890936475 E-9	1.2914962092 E-10	8.4481478854 E-12	1.4531195700 E-13
6.50	2.4145692364 E-7	6.1733182441 E-9	2.3461876930 E-10	1.5771954271 E-11	2.9108133486 E-13
6.75	3.7692731302 E-7	1.0396310813 E-8	4.1679786284 E-10	2.8809004088 E-11	5.6914805247 E-13
7.00	5.7851894825 E-7	1.7167595730 E-8	7.2516762203 E-10	5.1536576062 E-11	1.0879206564 E-12
7.25	8.7398959480 E-7	2.7834368844 E-8	1.2373380585 E-9	9.0507953089 E-11	2.0355796109 E-12
7.50	1.3009388621 E-6	4.4361395272 E-8	2.0730066446 E-9	1.5603302548 E-10	3.7337929876 E-12
7.75	1.9096585592 E-6	6.9572390045 E-8	3.4138658394 E-9	2.6442736470 E-10	6.7197556344 E-12
8.00	2.7666066416 E-6	1.0746935271 E-7	5.5315741330 E-9	4.4090774369 E-10	1.1878878328 E-11
8.25	3.9585815074 E-6	1.6364921622 E-7	8.824931640 E-9	7.2392890549 E-10	2.0645032342 E-11
8.50	5.5976655181 E-6	2.4584010775 E-7	1.3880594115 E-8	1.1713209441 E-9	3.5305301110 E-11
8.75	7.8269946917 E-6	3.6458244882 E-7	2.1528768891 E-8	1.8681497062 E-9	5.9454968715 E-11
9.00	1.0827399920 E-5	5.3408318128 E-7	3.2533792986 E-8	2.9425392008 E-9	9.8669290882 E-11
9.25	1.4824965318 E-5	7.7327525088 E-7	4.9391497062 E-8	4.5746206654 E-9	1.61486634219 E-10
9.50	2.0099586018 E-5	1.071208907 E-6	7.4394593226 E-8	1.0074667203 E-7	
9.75	2.6994727600 E-5	1.5682101982 E-6	1.0074667203 E-7		
10.00	3.5928872855 E-5	2.1987338941 E-6			

TABLE 52 - Oblate Coefficients d<sub>09</sub>

C	r = 1	r = 3	r = 5	r = 7	r = 9
0.25	1.8119128050 E-15	-1.4882886220 E-11	9.1941231347 E-8	-4.0979641651 E-4	1.0000868923 E 0
0.50	4.6385589877 E-13	-9.5271781273 E-10	1.47142264860 E-6	-1.6396041097 E-3	1.0003457410 E 0
0.75	1.1888367143 E-11	-1.0856087442 E-8	7.4521274714 E-6	-3.6906677477 E-3	1.00077710376 E 0
1.00	1.1875267482 E-10	-6.10282615332 E-8	2.3565815332 E-5	-6.5650262026 E-3	1.0013536821 E 0
1.25	7.0784093754 E-10	-2.3295876495 E-7	5.7575480606 E-5	-1.0265489078 E-2	1.0020007638 E 0
1.50	3.0436655076 E-9	-6.9617148285 E-7	1.1949322471 E-4	-1.4795411638 E-2	1.00249357362 E 0
1.75	1.0446708271 E-8	-1.7571423240 E-6	2.216022255 E-4	-2.0158897914 E-2	1.0038982844 E 0
2.00	3.0403086196 E-8	-3.9194687832 E-6	3.7848256238 E-4	-2.6360381757 E-2	1.0049443078 E 0
2.25	7.8006706032 E-8	-7.955027490 E-6	6.0703861697 E-4	-3.3404635530 E-2	1.0060458773 E 0
2.50	1.8120663015 E-7	-1.4989680497 E-5	9.26552936096 E-4	-4.135576121 E-2	1.007171892 E 0
2.75	3.8840265947 E-7	-2.6593797735 E-5	1.3585979844 E-3	-5.0041077949 E-2	1.0082845165 E 0
3.00	7.7900027234 E-7	-4.4894481449 E-5	1.9273009072 E-3	-5.9642762635 E-2	1.0093461488 E 0
3.25	1.476010097 E-6	-7.2673102309 E-5	2.6591341728 E-3	-7.0105765027 E-2	1.010312431 E 0
3.50	2.6725648941 E-6	-1.1359834946 E-4	3.5830555944 E-3	-8.1433875318 E-2	1.011135268 E 0
3.75	4.6397358729 E-6	-1.7217165154 E-4	4.7305007949 E-3	-9.362853766 E-2	1.0117633540 E 0
4.00	7.7721676979 E-6	-2.5408557089 E-4	6.1353911198 E-3	-1.0669114101 E-1	1.0121401195 E 0
4.25	1.2616723758 E-5	-3.6629522013 E-4	7.8341312522 E-3	-1.2042149476 E-1	1.0122054895 E 0
4.50	1.9918447497 E-5	-5.1722264695 E-4	9.8655942107 E-3	-1.3541466884 E-1	1.0118930355 E 0
4.75	3.0673607046 E-5	-7.1695400242 E-4	1.2271091278 E-2	-1.5107161689 E-1	1.0111401295 E 0
5.00	4.6192305062 E-5	-9.7744914421 E-4	1.5094324291 E-2	-1.6757849891 E-1	1.0098679577 E 0
5.25	6.8171508380 E-5	-1.3127631259 E-3	1.8381317609 E-2	-1.8492625466 E-1	1.0080015524 E 0
5.50	9.8779287550 E-5	-1.7392787816 E-3	2.2180327022 E-2	-2.0310016249 E-1	1.0054598477 E 0
5.75	1.4075095850 E-4	-2.2759493231 E-3	2.6511722776 E-2	-2.2208137713 E-1	1.0021577606 E 0
6.00	1.9749768210 E-4	-2.9445495251 E-3	3.1517843903 E-2	-2.418445158 E-1	9.9800430237 E -1
6.25	2.7322789597 E-4	-3.7699336668 E-3	3.7162821065 E-2	-2.6236684569 E-1	9.9291272360 E -1
6.50	3.7308172098 E-4	-4.7802979296 E-3	4.3532365182 E-2	-2.8360842548 E-1	9.8678065687 E -1
6.75	5.0327819483 E-4	-6.0074444060 E-3	5.0633519322 E-2	-3.0553095791 E-1	9.7951054117 E -1
7.00	6.7127483197 E-4	-7.4870432636 E-3	5.8674371549 E-2	-3.2808760723 E-1	9.7099949251 E -1
7.25	8.8593858726 E-4	-9.2588889229 E-3	6.7563726890 E-2	-3.5122444055 E-1	9.6114202458 E -1
7.50	1.1577268072 E-3	-1.1367145373 E-2	7.7410737192 E-2	-3.7467995188 E-1	9.4983022338 E -1
7.75	1.4988761894 E-3	-1.3860574994 E-2	8.8274488585 E-2	-3.9898461615 E-1	9.3695421864 E -1
8.00	1.9235971473 E-3	-1.6792744539 E-2	1.0021354767 E-1	-4.2346048733 E-1	9.2240267332 E -1
8.25	2.4482703147 E-3	-2.0222201343 E-2	1.1328546951 E-1	-4.4822085741 E-1	9.0406333997 E -1
8.50	3.0916412671 E-3	-2.4212612569 E-2	1.2734627329 E-1	-4.7316999631 E-1	8.8782360818 E -1
8.75	3.8750089486 E-3	-2.8832860528 E-2	1.4304989549 E-1	-4.9820599582 E-1	8.6757124108 E -1
9.00	4.8224028945 E-3	-3.4157088251 E-2	1.5984763540 E-1	-5.2320574319 E-1	8.4519492931 E -1
9.25	5.9607442825 E-3	-4.0264691918 E-2	1.7798761495 E-1	-5.480505146 E-1	8.2058497791 E -1
9.50	7.3199863674 E-3	-4.7240261042 E-2	1.9751428310 E-1	-5.7261897279 E-1	7.9363386385 E -1
9.75	8.9332312432 E-3	-5.5173474144 E-2	2.1846800551 E-1	-5.9673731621 E-1	7.6423666023 E -1
10.00	1.0836822498 E-2	-6.4158967656 E-2	2.4088479186 E-1	-6.2032238124 E-1	7.3229121619 E -1

TABLE 52a - Oblate Coefficients  $d_1^{0,9}$

C	r=11	r=13	r=15	r=17	r=19
0.25	4.1028723372 E -4	7.5620013767 E -8	8.4505094445 E -12	6.5013314528 E -16	3.7003309469 E -20
0.50	1.6415727994 E -3	1.2102315531 E -6	5.4097131255 E -10	1.6647665339 E -13	3.7901058002 E -17
0.75	3.6951200394 E -3	6.1294184706 E -6	6.1946331161 E -9	4.2684335418 E -12	2.1844962500 E -15
1.00	6.5730069977 E -3	1.9383549971 E -5	3.4657634724 E -8	4.2661644935 E -11	3.8850366319 E -14
1.25	1.0278085060 E -2	4.7359252058 E -5	1.3230971352 E -7	2.5447842531 E -10	3.6210018427 E -13
1.50	1.4813920910 E -2	9.8295222228 E -5	3.9544396318 E -7	1.0952375529 E -9	2.2441379555 E -12
1.75	2.0184721665 E -2	1.8230214248 E -4	9.9826053256 E -7	3.7632598022 E -9	1.0495450675 E -11
2.00	2.6395243029 E -2	3.1138637637 E -4	2.2271303219 E -6	1.0966185076 E -8	3.9946621163 E -11
2.25	3.3450680287 E -2	4.9947706723 E -4	4.5214936989 E -6	2.8177721397 E -8	1.2990960186 E -10
2.50	4.1356541922 E -2	7.6245618727 E -4	8.5215453395 E -6	6.5564742893 E -8	3.7318945830 E -10
3.75	5.0118505673 E -2	1.1181910214 E -3	1.5122911526 E -5	1.4079622705 E -7	5.6972260871 E -10
3.00	5.9742256831 E -2	1.5865685072 E -3	2.5338550647 E -5	2.8297853207 E -7	2.3195487420 E -9
3.25	7.0233308609 E -2	2.1895307905 E -3	4.1368131389 E -5	5.3799643695 E -7	5.1757717968 E -9
3.50	8.1596804462 E -2	2.9511133045 E -3	6.4475164448 E -5	9.7557650643 E -7	1.0885639369 E -8
3.75	9.3837302306 E -2	3.8974706431 E -3	9.8072203008 E -5	1.6984290483 E -6	2.1757100198 E -8
4.00	1.0695854065 E -1	5.0569314098 E -3	1.4481439536 E -4	2.8536676120 E -6	4.1599443037 E -8
4.25	1.2096318681 E -1	6.4600113089 E -3	2.0890181098 E -4	4.6483511198 E -6	7.6500167145 E -8
4.50	1.3585256750 E -1	8.1394535984 E -3	2.9519085035 E -4	7.3634439319 E -6	1.3591641496 E -7
4.75	1.5162438231 E -1	1.0130254151 E -2	4.0951519514 E -4	1.1381744159 E -5	2.3417849220 E -7
5.00	1.6828240078 E -1	1.2469684360 E -2	5.5881674132 E -4	1.7223391315 E -5	3.9252565401 E -7
5.25	1.8581614426 E -1	1.5197309233 E -2	7.5128702754 E -4	2.5537832166 E -5	6.4182097360 E -7
5.50	2.0422055390 E -1	1.8355000135 E -2	9.9651973952 E -4	3.7191599993 E -5	1.0261233627 E -6
5.75	2.2348564678 E -1	2.1986941901 E -2	1.3056749654 E -3	5.3284949577 E -5	1.6073314484 E -6
6.00	2.4359816294 E -1	2.6139634277 E -2	1.6916560049 E -3	7.5210290910 E -5	2.4711569771 E -6
6.25	2.6454120644 E -1	3.0861888156 E -2	2.1692997086 E -3	1.0471348274 E -4	3.7347355904 E -6
6.50	2.8629388528 E -1	3.6204817623 E -2	2.7555815650 E -3	1.4396518800 E -4	5.5562448577 E -6
6.75	3.0883095562 E -1	4.2221829700 E -2	3.4698370783 E -3	1.9564366387 E -4	8.1469612075 E -6
7.00	3.3212247786 E -1	4.8968614795 E -2	4.3340014371 E -3	2.6303057024 E -4	1.1786289110 E -5
7.25	3.5613349388 E -1	5.6503142318 E -2	5.3728700934 E -3	3.5032164466 E -4	1.6840375115 E -5
7.50	3.8082373738 E -1	6.4885668502 E -2	6.6143837286 E -3	4.6175442939 E -4	2.3785039865 E -5
7.75	4.0614739207 E -1	7.4117876444 E -2	8.0899422515 E -3	6.0375567302 E -4	3.3234063470 E -5
8.00	4.3205291593 E -1	8.4447379091 E -2	9.8347540709 E -3	7.8311160090 E -4	4.5973490123 E -5
8.25	4.5848295367 E -1	9.5758953008 E -2	1.1888229034 E -2	1.0081650063 E -3	6.3003974444 E -5
8.50	4.8537436308 E -1	1.0818360618 E -1	1.4294426327 E -2	1.2888441225 E -3	8.5592094720 E -5
8.75	5.1265838499 E -1	1.2179443052 E -1	1.7102572442 E -2	1.6369295842 E -3	1.1533306965 E -4
9.00	5.4026098883 E -1	1.3666792491 E -1	2.0367669377 E -2	2.0663675910 E -3	1.5422726694 E -4
9.25	5.6810342638 E -1	1.5288462118 E -1	2.4151219661 E -2	2.5936397884 E -3	2.0477372692 E -4
9.50	5.9610302345 E -1	1.7052995978 E -1	2.8522102993 E -2	3.2382037722 E -3	2.7008479946 E -4
9.75	6.2417423069 E -1	1.8969548490 E -1	3.3557649396 E -2	4.0230207038 E -3	3.5402718331 E -4
10.00	6.5222993904 E -1	2.1048043934 E -1	3.9344965942 E -2	4.9751975653 E -3	4.6139624075 E -4

TABLE 52b - Oblate Coefficients  $d_{0,9}$

C	r=21	r=23	r=25	r=27	r=29
0.25	1.6329706978 E-24	5.7767811360 E-29	1.1010964158 E-26	1.5871157599 E-29	9.3537896928 E-31
0.50	6.6903514932 E-21	9.4670848004 E-25	7.2355175811 E-26	2.8168529939 E-27	8.1193514217 E-29
0.75	8.6841754726 E-19	2.76489222263 E-22	7.235031437 E-24	1.5648688529 E-25	3.1157040530 E-27
1.00	1.7431670789 E-17	3.5330757347 E-19	2.5682757247 E-22	4.1701355775 E-24	6.8073772163 E-26
1.25	3.9949007983 E-16	4.5804566854 E-18	4.7528180749 E-21	6.6939083065 E-23	9.848864286 E-25
1.50	3.5652492265 E-15	3.9340586934 E-17	5.6051420367 E-20	7.4148316549 E-22	1.0401250503 E-23
1.75	2.2695325718 E-14	2.5544183316 E-16	4.7536054888 E-19	6.1871993614 E-21	8.5697490976 E-23
2.00	1.1282408915 E-13	1.3506704068 E-15	3.1340723799 E-18	4.129137614 E-20	5.7761821135 E-22
2.25	1.6469539063 E-13	5.8263868280 E-15	1.6941676903 E-17	2.3000821832 E-19	3.2985291253 E-21
2.50	5.1783766960 E-12	2.2165820438 E-14	7.7992160278 E-17	1.1036745935 E-18	1.6389397141 E-20
2.75	1.4741392444 E-11	7.5099021032 E-14	3.1446035638 E-16	4.6725433913 E-18	7.2335742417 E-20
3.00	3.8605556306 E-11	2.3082429125 E-13	1.1343486394 E-15	1.7781402161 E-17	2.8827917713 E-19
3.25	9.4171148773 E-11	6.5303129692 E-13	3.7220333328 E-15	6.1729088110 E-17	1.0512047859 E-18
3.50	2.1608089108 E-10	1.7201958984 E-12	1.1255519942 E-14	1.9783085574 E-16	3.5454710048 E-18
3.75	4.7010101403 E-10	4.2582745494 E-12	3.170274595 E-14	5.9102732666 E-15	1.1140062474 E-17
4.00	9.7602635011 E-10	9.9813783288 E-12	8.3894714224 E-14	1.6593376022 E-15	3.5031484439 E-17
4.25	1.9443008887 E-9	2.223285392 E-11	1.008378630 E-13	4.4077015758 E-15	9.2516647268 E-17
4.50	3.7329706768 E-9	4.7694509977 E-11	5.008197555 E-13	1.1141031646 E-14	2.4654740409 E-16
4.75	6.9341273488 E-9	9.8176324230 E-11	1.1423806464 E-12	2.6927572548 E-14	6.2805871730 E-16
5.00	1.2502311926 E-8	1.9518227870 E-10	2.5041925974 E-12	6.2496436673 E-14	1.5356082028 E-15
5.25	2.1941616160 E-8	3.7600266961 E-10	5.2951331368 E-12	1.39792280078 E-13	3.6164186572 E-15
5.50	3.7573668474 E-8	7.0366874200 E-10	1.0835466161 E-11	3.0232225531 E-13	8.2289825312 E-15
5.75	6.2915598338 E-8	1.2835699162 E-9	2.1518428886 E-11	6.3390983731 E-13	1.8141643309 E-14
6.00	1.0320577301 E-7	2.2851826182 E-9	4.1576429319 E-11	1.2919086843 E-12	3.8844615188 E-14
6.25	1.6612600857 E-7	3.9795352549 E-9	7.8327321804 E-11	2.567904086 E-12	8.0957267930 E-14
6.50	2.6278258890 E-7	6.7904306580 E-9	1.4416444656 E-10	4.9693482205 E-12	1.6455135362 E-13
6.75	4.0902543073 E-7	1.1370510449 E-8	2.5968119261 E-10	9.4141506209 E-12	3.2676358540 E-13
7.00	6.272593630 E-7	1.8710119529 E-8	4.5850196492 E-10	1.7465189846 E-11	6.3495944786 E-13
7.25	9.4850054489 E-7	3.0291795599 E-8	7.9464725835 E-10	3.1774132145 E-11	1.2091195909 E-12
7.50	1.4159601277 E-6	4.8307319422 E-8	1.3536191058 E-9	5.6771846203 E-11	2.2593301752 E-12
8.00	2.0884870229 E-6	7.5959888873 E-8	2.2688925916 E-9	9.9721558764 E-11	4.1476883947 E-12
8.25	3.0459941735 E-6	1.1788146626 E-7	3.7461913404 E-9	1.7240364820 E-10	7.4892103716 E-12
8.50	4.3960679128 E-6	1.8070505206 E-7	6.0988809888 E-9	2.9366053345 E-10	1.3314383643 E-11
8.75	6.2825420874 E-6	2.7384458257 E-7	9.7991324491 E-9	4.9328151094 E-10	2.3328228835 E-11
9.00	8.8965028656 E-6	4.1055218313 E-7	1.5551321841 E-8	8.1785242190 E-10	4.0319191139 E-11
9.25	1.2490389625 E-5	6.0934521666 E-7	2.4394635441 E-8	1.3395004307 E-9	6.8798951494 E-11
9.50	1.7396050044 E-5	8.952594188 E-7	3.7861301683 E-8	2.1688765625 E-9	1.1599592846 E-10
9.75	2.4047863780 E-5	1.3657574943 E-6	5.8165653831 E-8	3.4743333479 E-9	
10.00	3.3012391967 E-5	1.8875153002 E-6	8.8517869971 E-8		

TABLE 53 - Orlote Coefficients  $d^{0,10}$

C	r = 0	r = 2	r = 4	r = 6	r = 8
0.25	-9.4606861353 E-20	1.2486915123 E-15	-1.0908717424 E-11	7.4877713463 E-8	-3.7094622035 E-4
0.50	-9.6878384633 E-17	3.1957679266 E-13	-6.9799352522 E-10	1.1977744060 E-6	-1.4835388769 E-3
0.75	-5.5865817946 E-15	8.1866289684 E-12	-7.9474494446 E-9	6.0614502419 E-6	-3.3367296349 E-3
1.00	-9.2309541048 E-13	8.1721047815 E-11	-4.4629193577 E-8	1.9146990175 E-5	-5.9288568987 E-3
1.25	-5.7209986374 E-12	4.8668872448 E-10	-1.7012434469 E-7	4.6713250141 E-5	-9.2574943748 E-3
1.50	-2.6726734158 E-11	2.0905271611 E-9	-5.0753715531 E-7	9.6781521401 E-5	-1.3319399301 E-2
1.75	-1.0159385277 E-10	7.1663952010 E-9	-1.2784585148 E-6	1.7911485591 E-4	-1.8110420596 E-2
2.00	-3.2990468248 E-10	2.0826751977 E-8	-2.8451011550 E-6	3.0519134105 E-4	-2.3625387253 E-2
2.25	-9.4612937261 E-10	5.3350665495 E-8	-5.7595730019 E-6	4.8817046129 E-4	-2.9857977421 E-2
2.50	-2.4538787675 E-9	1.2371115821 E-7	-1.0819993320 E-5	7.4285153817 E-4	-3.6800568688 E-2
3.00	-1.3039610824 E-8	2.6464782145 E-7	-1.9133085043 E-5	1.0856231000 E-3	-4.44444070214 E-2
3.25	-5.4520892183 E-8	5.2966502506 E-7	-3.2182794682 E-5	1.5344019002 E-3	-5.2777737504 E-2
3.50	-1.0392447329 E-7	1.0023666079 E-6	-5.1904397299 E-5	2.1085601771 E-3	-6.1788970723 E-2
3.75	-1.9047632982 E-7	1.8085631935 E-6	-8.0763437135 E-5	2.8288396387 E-3	-7.1463097655 E-2
4.00	-3.3718794442 E-7	3.1316074075 E-6	-1.2183873371 E-4	3.7172505484 E-3	-8.1783142564 E-2
4.25	-5.7867472993 E-7	5.2314244008 E-6	-1.7890854784 E-4	4.7969542078 E-3	-9.2729582431 E-2
4.50	-9.6583059090 E-7	8.4677092683 E-6	-2.5653885161 E-4	6.0921270555 E-3	-1.0428009226 E-1
4.75	-1.5719609107 E-6	1.3327758220 E-5	-3.6017248049 E-4	7.6278045565 E-3	-1.1640928139 E-1
5.00	-2.5007064807 E-6	2.0459385704 E-5	-4.9621776528 E-4	9.4297030236 E-3	-1.2908842300 E-1
5.25	-3.8961386867 E-6	3.07093354036 E-5	-6.7213504580 E-4	1.1524017510 E-2	-1.4228517930 E-1
5.50	-5.9554555943 E-6	4.5167704476 E-5	-8.9651925956 E-4	1.3937193944 E-2	-1.5596332522 E-1
5.75	-8.9447582925 E-6	6.5218327947 E-5	-1.1791765780 E-3	1.6695673711 E-2	-1.7008247367 E-1
6.00	-1.3218435556 E-5	9.2596088863 E-5	-1.5311928320 E-3	1.9825809026 E-2	-1.8459780587 E-1
6.25	-1.9242730771 E-5	1.2945041564 E-4	-1.9649912316 E-3	2.3352547514 E-2	-1.9945981054 E-1
6.50	-2.7624105940 E-5	1.7841629571 E-4	-2.4943766449 E-3	2.7301084449 E-2	-2.1461403612 E-1
6.75	-3.9143050816 E-5	2.4269124001 E-4	-3.1345634621 E-3	3.1694482090 E-2	-2.3000866060 E-1
7.00	-5.4794007586 E-5	3.2611961173 E-4	-3.9021838420 E-3	3.6554256649 E-2	-2.455528395 E-1
7.25	-7.5832089230 E-5	4.3328276517 E-4	-4.8152729201 E-3	4.1899722567 E-2	-2.6120674824 E-1
7.50	-1.0382725820 E-4	5.6959551269 E-4	-5.8932273636 E-3	4.7747514954 E-2	-2.7687899144 E-1
7.75	-1.4072459594 E-4	7.4140752962 E-4	-7.1567334975 E-3	5.4111066745 E-2	-2.9248994050 E-1
8.00	-1.8892322631 E-4	9.5610925856 E-4	-8.6276610994 E-3	6.1000056823 E-2	-3.0795165036 E-1
8.25	-2.5134634931 E-4	1.2222410828 E-3	-1.0328918889 E-2	6.8419825204 E-2	-3.2317029521 E-1
8.50	-3.315306496 E-4	1.5496044431 E-3	-1.2284267725 E-2	7.6370758221 E-2	-3.3804621886 E-1
8.75	-4.3373540748 E-4	1.9493732666 E-3	-1.4518087567 E-2	8.4847646624 E-2	-3.524405115 E-1
9.00	-5.6304234966 E-4	2.4342037583 E-3	-1.7055094400 E-2	9.3639020311 E-2	-3.6634289756 E-1
9.25	-7.2547484984 E-4	3.0177142809 E-3	-1.9920003490 E-2	1.0332646430 E-1	-3.7953660918 E-1
9.50	-9.2812206637 E-4	3.7177142809 E-3	-2.3137135633 E-2	1.1328392161 E-1	-3.9193414083 E-1
9.75	-1.2547484984 E-4	4.5500338830 E-3	-2.6729963363 E-2	1.2367698955 E-1	-4.0341000506 E-1
10.00	-1.5719609107 E-4	5.5348587536 E-3	-3.0720594453 E-2	1.3446221769 E-1	-4.138483139 E-1
		6.6936569392 E-3	-3.5129190411 E-2	1.4558641666 E-1	-4.2307604104 E-1

TABLE 33a - Oblate Coefficients  $d_{0,10}$

C	r=10	r=12	r=14	r=16	r=18
0.25	9.9992801949 E -1	3.7129368094 E -4	6.2569841319 E -8	6.4443852911 E -12	4.5995239545 E -16
0.50	9.9971036332 E -1	1.4848511252 E -3	1.0008987025 E -6	4.1235099178 E -10	4.1772195499 E -13
0.75	9.9934189083 E -1	3.394928487 E -3	5.051960865 E -6	4.6952072744 E -9	3.0159783728 E -12
1.00	9.9881404547 E -1	5.9341574422 E -3	1.6000267515 E -5	2.6367165698 E -8	3.0110250635 E -11
1.25	9.9811487203 E -1	9.2656582616 E -3	3.9037029062 E -5	1.0051575095 E -7	1.7935173327 E -10
1.50	9.9722904121 E -1	1.3331622984 E -2	8.0880288364 E -5	2.9989223539 E -7	7.7054957024 E -10
1.75	9.9613788251 E -1	1.8127416227 E -2	1.069245431 E -4	7.554758581 E -7	2.6421212314 E -9
2.00	9.9481942590 E -1	2.3648245488 E -2	2.5507274338 E -4	1.6814240982 E -6	7.6806438091 E -9
2.25	9.9324845354 E -1	2.9886050736 E -2	4.0803135797 E -4	3.404274166 E -6	1.9691447122 E -8
2.50	9.9139656248 E -1	3.6839578066 E -2	6.2095802198 E -4	6.39622580487 E -6	4.5654576659 E -8
2.75	9.89232223978 E -1	4.4494237915 E -2	9.0758417122 E -4	1.131258183 E -5	9.7705569893 E -8
3.00	9.8672095146 E -1	5.2841948423 E -2	1.2829380122 E -3	1.9032234053 E -5	1.9563441896 E -7
3.25	9.8382524694 E -1	6.1870964647 E -2	1.7632915825 E -3	3.0702625728 E -5	3.7040859398 E -7
3.50	9.8050488060 E -1	7.1567694454 E -2	2.366096710 E -3	4.7786844609 E -5	6.6867680016 E -7
3.75	9.7671695252 E -1	8.1916502038 E -2	3.109239849 E -3	7.2114068479 E -5	1.1584989294 E -6
4.00	9.7241607017 E -1	9.2899500166 E -2	4.0143582890 E -3	1.0593214434 E -4	1.9364740939 E -6
4.25	9.675545331 E -1	1.0449633241 E -1	5.099253837 E -3	1.519635006 E -4	3.1364523024 E -6
4.50	9.6208254412 E -1	1.1668394686 E -1	6.3879727420 E -3	2.1345363630 E -4	4.9400158219 E -6
4.75	9.5594844487 E -1	1.2943636278 E -1	7.9005487847 E -3	2.942420573 E -4	7.5889130595 E -6
5.00	9.4909898524 E -1	1.4272443228 E -1	9.6602641457 E -3	3.9880379573 E -4	1.1399620341 E -5
5.25	9.4147962169 E -1	1.5651559888 E -1	1.1690135858 E -2	5.3231253398 E -4	1.6780194830 E -5
5.50	9.3303485095 E -1	1.7077365526 E -1	1.4013413195 E -2	7.0069213149 E -4	2.4249563444 E -5
5.75	9.237857988 E -1	1.8545850278 E -1	1.6653383878 E -2	9.1066746317 E -4	3.4459369621 E -5
6.00	9.1344453365 E -1	2.0052591553 E -1	1.9633159438 E -2	1.1698108630 E -3	4.8218467116 E -5
6.25	9.0218670425 E -1	2.1592731182 E -1	2.2975438473 E -2	1.4865832282 E -3	6.6520111732 E -5
6.50	8.8987984098 E -1	2.3160953652 E -1	2.670246661 E -2	1.8703682820 E -3	9.0571852704 E -5
6.75	8.7646998435 E -1	2.4751465767 E -1	3.0834652394 E -2	2.3314983919 E -3	1.2182806659 E -4
7.00	8.6190504461 E -1	2.6357978077 E -1	3.5392456974 E -2	2.881271720 E -3	1.6202500548 E -4
7.25	8.4613542574 E -1	2.7973688595 E -1	4.0393858388 E -2	3.5319479144 E -3	2.1321814678 E -4
7.50	8.2911469522 E -1	2.9591268984 E -1	4.5855087724 E -2	4.2967526981 E -3	2.7782153144 E -4
7.75	8.1080029956 E -1	3.1202853844 E -1	5.1790017361 E -2	5.1898348023 E -3	3.5864865923 E -4
8.00	7.9115432509 E -1	3.2800033474 E -1	5.8209740077 E -2	6.2262268033 E -3	4.5895436971 E -4
8.25	7.7014430288 E -1	3.4373850433 E -1	6.512218257 E -2	7.4217744578 E -3	5.8247697312 E -4
8.50	7.4774405631 E -1	3.5914800495 E -1	7.2531302318 E -2	8.7930421525 E -3	7.3347970039 E -4
8.75	7.2393458932 E -1	3.7412838311 E -1	8.0437217440 E -2	1.0357189334 E -2	9.1679031195 E -4
9.00	6.9870501327 E -1	3.8857388282 E -1	8.8835017578 E -2	1.2131813904 E -2	1.1378374317 E -3
9.25	6.7205350997 E -1	4.0237361099 E -1	9.7714505657 E -2	1.4134758078 E -2	1.4026818507 E -3
9.50	6.4398832927 E -1	4.1541176510 E -1	1.0705951891 E -1	1.6383871655 E -2	1.7180406617 E -3
9.75	6.1452881974 E -1	4.2756729995 E -1	1.1684727858 E -1	1.8896727069 E -2	2.0913016429 E -3
10.00	5.8370649256 E -1	4.3871745323 E -1	1.2704770391 E -1	2.1690280050 E -2	2.5305247934 E -3

TABLE 53b -- Oblets Coefficients  $d_{i,10}$

C	r=20	r=22	r=24	r=26	r=28
0.25	2.4420154227 E-20	1.010034038 E-24	3.3622920235 E-29	6.0495733913 E-29	0.2545468664 E-30
0.50	2.5000735709 E-17	4.1360421673 E-21	5.5075634241 E-25	3.9721428573 E-24	1.4634105647 E-27
0.75	1.4411389503 E-15	5.3644160341 E-19	1.6072271104 E-22	3.9611423304 E-24	0.1181653434 E-26
1.00	2.5578165009 E-14	1.6922635073 E-17	9.0156176323 E-21	2.0485527627 E-19	2.1595709469 E-24
1.25	2.3805694523 E-13	2.4614722358 E-16	2.0485527627 E-19	1.4063458820 E-22	3.4593332460 E-23
1.50	1.4727844269 E-12	1.1928871625 E-15	2.6280361753 E-18	3.0575243853 E-20	3.8226589943 E-22
1.75	6.8736381737 E-12	1.3930237682 E-14	2.2723121977 E-17	2.5867726884 E-19	3.1810045212 E-21
2.00	2.6098676845 E-11	6.9083821626 E-14	1.4718761424 E-16	2.5867726884 E-19	2.1163496970 E-20
2.25	8.4642351771 E-11	2.8356589510 E-13	7.646390603 E-16	1.7007889259 E-18	
2.50	2.4245245778 E-10	1.0025897498 E-12	3.3376778727 E-15	9.1655021918 E-18	
2.75	6.2772180370 E-10	3.1415634718 E-12	1.2654868510 E-14	4.2049318813 E-17	1.1744402132 E-19
3.00	1.4958344040 E-9	8.9094061162 E-12	2.711500867 E-14	1.6889970239 E-16	5.6160421500 E-19
3.25	3.3239987602 E-9	2.3236074916 E-11	1073518332 E-13	6.0674769792 E-16	2.3677715198 E-18
3.50	6.9596529707 E-9	5.6425425268 E-11	6820189559 E-13	1.9818945955 E-15	0.9699343379 E-18
3.75	1.3842712634 E-8	1.2884126233 E-10	6517889967 E-13	5.9640431620 E-15	3.0987435152 E-17
4.00	2.6328673447 E-8	2.7883351477 E-10	2.3766984863 E-12	1.6710110516 E-14	9.8785598227 E-17
4.25	4.8145480245 E-8	5.7565139153 E-10	5.5394862003 E-12	4.3969413703 E-14	2.9345230266 E-16
4.50	8.5024167893 E-8	1.1398031474 E-9	1.2297434926 E-11	1.0943711997 E-13	8.1887257285 E-16
4.75	1.4555102924 E-7	2.1742428199 E-9	2.6138924028 E-11	2.5919460792 E-13	2.1610302744 E-15
5.00	2.4229745741 E-7	4.0109308459 E-9	5.3433832997 E-11	5.8713487814 E-13	5.4243830748 E-15
5.25	3.9329254929 E-7	7.1787676968 E-9	1.0544957123 E-10	1.2775580708 E-12	1.3013697282 E-14
5.50	6.2391291465 E-7	1.2500678575 E-8	2.0155223731 E-10	2.6802271018 E-12	2.9966224098 E-14
5.75	9.6927373850 E-7	2.1229773710 E-8	3.7417085152 E-10	5.4389097829 E-12	6.6469328347 E-14
6.00	1.4772147743 E-6	3.5237062130 E-8	6.7633207738 E-10	1.0705899790 E-11	1.4247664944 E-13
6.25	2.2119843260 E-6	5.7266192615 E-8	1.1928737389 E-9	2.0491660590 E-11	2.9594129471 E-13
6.50	3.2587330630 E-6	9.1274163297 E-8	2.0568343838 E-9	3.8222471941 E-11	5.9713269319 E-13
6.75	4.7289372892 E-6	1.4288090113 E-7	3.4730116392 E-9	6.9612212338 E-11	1.1729581475 E-12
7.00	6.7668775271 E-6	2.1995507097 E-7	5.7513048759 E-9	1.2400025743 E-10	2.2473987734 E-12
7.25	9.5573023688 E-6	3.3336841918 E-7	9.3532302714 E-9	2.1636973879 E-10	4.2074050828 E-12
7.50	1.3334408698 E-5	4.9795635172 E-7	1.4955942638 E-8	3.7034377547 E-10	7.7083018508 E-12
7.75	1.8392266685 E-5	7.3372822073 E-7	2.3539242842 E-8	6.2256741551 E-10	1.3839486054 E-11
8.00	2.5096810190 E-5	1.0673768310 E-6	3.6502416091 E-8	1.0290266112 E-9	2.4380700276 E-11
8.25	3.389949055 E-5	1.5341428050 E-6	5.5819356313 E-8	1.6740404109 E-9	4.2192375265 E-11
8.50	4.5352737248 E-5	2.1800954086 E-6	8.4242301593 E-8	2.6828975816 E-9	7.1801664975 E-11
8.75	6.0127098002 E-5	3.0648968870 E-6	1.2556664321 E-7	4.2394039694 E-9	1.2027035422 E-10
9.00	7.9030360917 E-5	4.2651218029 E-6	1.8497167019 E-7	6.099726531 E-9	1.9846366003 E-10
9.25	1.0302830338 E-4	5.8782056517 E-6	2.6945474619 E-7	1.0176336193 E-8	3.2288231484 E-10
9.50	1.3326710535 E-4	8.0270972779 E-6	3.8837923029 E-7	1.5479499291 E-8	5.1827686161 E-10
9.75	1.7109711790 E-4	1.0865686207 E-5	5.5415935089 E-7	2.3276189433 E-8	8.2133585471 E-10
10.00	2.1809760713 E-4	1.4585067534 E-5	7.8310807157 E-7	3.4625807591 E-8	1.2858320396 E-9



TABLE 54 -- Obsolete Coefficients 4.11

C	r = 0	r = 2	r = 4	r = 6	r = 8
0.25	1.002529879 E 0	8.3576961779 E -4	3.5557198422 E -7	8.6366694858 E -11	1.3473569241 E -14
0.50	1.0050481165 E 0	3.3725908684 E -3	5.7503986882 E -6	5.5926468358 E -9	3.4920979041 E -12
0.75	1.0114962393 E 0	7.7011129070 E -3	2.963835352 E -5	6.4966057615 E -8	9.1367053406 E -11
1.00	1.0207901935 E 0	1.3979674501 E -2	9.6072927866 E -5	3.7525349262 E -7	9.3957465455 E -10
1.25	1.0332177052 E 0	2.2445971842 E -2	2.4239139057 E -4	1.4837080981 E -6	5.8152536802 E -9
1.50	1.0491810708 E 0	3.3435030731 E -2	5.234884227 E -4	4.6307180771 E -6	2.6192856274 E -8
1.75	1.0692253276 E 0	4.7405280341 E -2	1.0182863888 E -3	1.2311024294 E -5	9.5020989616 E -8
2.00	1.0940771800 E 0	6.4975222505 E -2	1.8393401849 E -3	2.9179210075 E -5	2.9499086582 E -7
2.25	1.1246973818 E 0	8.6973909138 E -2	3.1468824448 E -3	6.3501377408 E -5	8.1499600027 E -7
2.50	1.1623492881 E 0	1.1450896892 E -1	5.1692680420 E -3	1.2947043917 E -4	2.0581087751 E -6
2.75	1.2086853111 E 0	1.4905581164 E -1	8.2322370720 E -3	2.5087097656 E -4	4.8415709965 E -6
3.00	1.2658502513 E 0	1.9257014381 E -1	1.280048544 E -2	4.6680809819 E -4	1.0757284852 E -5
3.25	1.3365953004 E 0	2.4762225162 E -1	1.953153791 E -2	8.4048903487 E -4	2.2804369612 E -5
3.50	1.4243896624 E 0	3.1754569377 E -1	2.9353545733 E -2	1.4723136630 E -3	4.6466541178 E -5
3.75	1.5335122148 E 0	4.0658771048 E -1	4.3551948088 E -2	2.518704471 E -3	9.1485590708 E -5
4.00	1.6691110499 E 0	5.2005002907 E -1	6.3879715175 E -2	4.2181387457 E -3	1.7467325996 E -4
4.25	1.8372400063 E 0	6.6442336530 E -1	9.2680012949 E -2	6.9258641473 E -3	3.2420601456 E -4
4.50	2.0449118357 E 0	8.4754458813 E -1	1.3302690033 E -1	1.1159134489 E -2	5.8597719527 E -4
4.75	2.3002258045 E 0	1.0788263423 E 0	1.8890831356 E -1	1.7655863131 E -2	1.0327777915 E -3
5.00	2.6126158435 E 0	1.3696080326 E 0	2.6542841393 E -1	2.7451209726 E -2	1.7773815802 E -3
5.25	2.9932331646 E 0	1.7336568616 E 0	3.6912054003 E -1	4.1978624862 E -2	2.9910415647 E -3
5.50	3.4554521801 E 0	2.1878283354 E 0	5.0832167886 E -1	6.3203594382 E -2	4.9294628613 E -3
5.75	4.0154867220 E 0	2.7528292168 E 0	6.936717327 E -1	9.3800450057 E -2	7.9490682378 E -3
6.00	4.6931191162 E 0	3.454482165 E 0	9.3874881014 E -1	1.3738524489 E -1	1.2657305997 E -2
6.25	5.5125641443 E 0	4.324549722 E 0	1.2608753485 E 0	1.9882112611 E -1	1.9781770735 E -2
6.50	6.5035058219 E 0	5.4027537470 E 0	1.6821382708 E 0	2.8461763769 E -1	3.0465258870 E -2
6.75	7.7023569828 E 0	6.7379369467 E 0	2.2306790833 E 0	4.0345171839 E -1	4.6295001678 E -2
7.00	9.1538025913 E 0	8.3911493610 E 0	2.942323580 E 0	5.668454489 E -1	6.9498151392 E -2
7.25	1.0912700089 E 1	1.0438172381 E 1	3.8626541598 E 0	7.9004720956 E -1	1.0317887304 E -1
7.50	1.3046425700 E 1	1.2973014351 E 1	5.0496019156 E 0	1.0931748808 E 0	1.5163752315 E -1
7.75	1.5637775638 E 1	1.6112583979 E 1	6.5767653504 E 0	1.5026970216 E 0	2.2079889686 E -1
8.00	1.8788554481 E 1	2.002167234 E 1	8.5375761538 E 0	2.053350021 E 0	3.1878506062 E -1
8.25	2.2624032773 E 1	2.4822402885 E 1	1.1050580094 E 1	2.7906163267 E 0	4.5667944640 E -1
8.50	2.7298434740 E 1	3.0797960642 E 1	1.4246112029 E 1	3.7739247352 E 0	6.4954345455 E -1
8.75	3.3001790731 E 1	3.8200372071 E 1	1.8374734982 E 1	5.0807790792 E 0	9.1776581804 E -1
9.00	3.948398182 E 1	4.7403552674 E 1	2.3617988434 E 1	6.8120798241 E 0	1.288897445 E 0
9.25	4.648334962 E 1	5.8810489113 E 1	3.0301873474 E 1	9.0989774927 E 0	1.7997750874 E 0
9.50	5.4915521854 E 1	7.2975335645 E 1	3.8812697295 E 1	1.2111691985 E 1	2.5001147165 E 0
9.75	7.1693915549 E 1	9.0547777044 E 1	4.9441815061 E 1	1.6070853488 E 1	3.4561387290 E 0
10.00	8.7367677840 E 1	1.1242598299 E 2	6.3409254503 E 1	2.1262076105 E 1	4.7562108552 E 0

TABLE 54a - Oblate Coefficients  $d_{11}$

C	r = 13	r = 12	r = 14	r = 16	r = 18
0.25	1.4613388443 E-18	1.1649557141 E-22	7.1114163836 E-27	3.4302423339 E-31	3.5616795864 E-30
0.50	1.5156538632 E-15	4.8345127645 E-19	1.1807584191 E-22	2.2786068941 E-26	5.3852474835 E-27
0.75	8.928789777 E-14	6.4113559787 E-17	3.52459464609 E-20	1.5509464609 E-23	9.8634611231 E-25
1.00	1.6339425979 E-12	2.0872721952 E-15	2.0410256542 E-18	1.5766345669 E-21	5.706977000 E-23
1.25	1.5820950977 E-11	3.1607068207 E-14	4.8524600200 E-17	5.8358170859 E-20	1.5987995189 E-21
1.50	1.276713253 E-10	2.959609434 E-13	6.5212900631 E-16	1.1347638145 E-18	2.7236711000 E-20
1.75	5.0830802944 E-10	1.9949717181 E-12	5.9887293126 E-15	1.4194414410 E-17	3.2327817167 E-19
2.00	2.065373764 E-9	1.0600315208 E-11	4.1605608231 E-14	1.2890552903 E-16	2.9185761024 E-18
2.25	7.2356583380 E-9	4.7078321218 E-11	2.34112488864 E-13	9.1887036994 E-16	2.1277952996 E-17
2.50	2.2607604976 E-8	1.818841572 E-10	1.1125241869 E-12	5.4221941090 E-15	
2.75	6.4495954046 E-8	6.2886587481 E-10	4.6830350206 E-12	2.7507302219 E-14	1.3071295652 E-16
3.00	1.7092135542 E-7	1.98652269368 E-9	1.7626409844 E-11	1.2333040109 E-13	6.9798377399 E-16
3.25	4.2615399719 E-7	5.8217582963 E-9	6.0694242093 E-11	4.9884695175 E-13	3.3157267955 E-15
3.50	1.0095115472 E-6	1.6002900063 E-8	1.9377107996 E-10	1.8485510647 E-12	1.4259195587 E-14
3.75	2.284422521 E-6	4.1656457144 E-8	5.793103071 E-10	6.3486203016 E-12	5.6248168437 E-14
4.00	4.9690466892 E-6	1.0318022255 E-7	1.6338586690 E-9	2.0382974904 E-11	2.0555838967 E-13
4.25	1.042592765 E-5	2.4443473472 E-7	4.3710531294 E-9	6.1579731306 E-11	7.0125248412 E-13
4.50	2.112229259 E-5	5.558053193 E-7	1.1139786573 E-9	1.7594178113 E-10	2.2466429415 E-12
4.75	4.1469700504 E-5	1.215099767 E-6	2.7141261480 E-8	4.7760768921 E-10	6.7935437572 E-12
5.00	7.9015658897 E-5	2.563778525 E-6	6.3422110403 E-8	1.2361316166 E-9	1.9476136020 E-11
5.25	1.4640169944 E-4	5.2317575271 E-6	1.4257383517 E-7	3.0617189412 E-9	5.3156413343 E-11
5.50	2.6436339767 E-4	1.0351386483 E-5	3.0925633459 E-7	7.2823111110 E-9	1.3866135599 E-10
5.75	4.6588449267 E-4	1.9906538875 E-5	6.4911200977 E-7	1.6687758296 E-8	3.4697789149 E-10
6.00	8.0336883174 E-4	3.7295513143 E-5	1.3219599591 E-6	3.6955897341 E-8	8.3576229330 E-10
6.25	1.3577810014 E-3	6.8223511714 E-5	2.6188266411 E-6	7.9315216274 E-8	1.9438618810 E-9
6.50	2.2530732009 E-3	1.2209723087 E-4	5.0580775202 E-6	1.6540112991 E-7	4.3781719307 E-9
6.75	3.6765402206 E-3	2.1417569713 E-4	9.5446901559 E-6	3.3592696195 E-7	9.5738677910 E-9
7.00	5.9084452608 E-3	3.6884840825 E-4	1.7630051546 E-5	6.6587010952 E-7	2.0373165597 E-8
7.25	9.3615621390 E-3	6.2457827147 E-4	3.1929743184 E-5	1.2906041531 E-6	4.2277765770 E-8
7.50	1.4643835980 E-2	1.0412823359 E-3	5.6786723118 E-5	2.4501464472 E-6	8.57158661214 E-8
7.75	2.2636722035 E-2	1.7112547518 E-3	9.9311600204 E-5	5.5629784095 E-6	1.7007360795 E-7
8.00	3.4612128134 E-2	2.7752005215 E-3	1.7099669060 E-4	8.3475269291 E-6	3.3074821611 E-7
8.25	5.2391670960 E-2	4.4455956096 E-3	2.9019528438 E-4	1.5019584380 E-5	6.3130223637 E-7
8.50	7.856742321 E-2	7.0404871202 E-3	4.0589458729 E-4	2.6639400620 E-5	1.1841168165 E-6
8.75	1.1680583259 E-1	1.1032089183 E-2	8.0340867485 E-4	4.465512556 E-5	2.1850323004 E-6
9.00	1.7226454222 E-1	1.7116241340 E-2	1.3128995782 E-3	8.0047261507 E-5	3.9707477328 E-6
9.25	2.5216195136 E-1	2.631115995 E-2	2.1220382884 E-3	1.3615978195 E-4	7.1128601048 E-6
9.50	3.6655293113 E-1	4.0047018204 E-2	3.5946872993 E-3	2.2886174116 E-4	1.2570307986 E-5
9.75	5.2938200253 E-1	6.0612671775 E-2	5.3782922096 E-3	3.8038831863 E-4	2.1934053190 E-5
10.00	7.5990909611 E-1	9.0931042538 E-2	8.4438019276 E-3	6.25595557426 E-4	3.7816173897 E-5

TABLE 54b - Orlans Coefficients d<sub>1</sub> 1

C	F=20	F=22	F=24	F=26	F=28
0.25					
0.50					
0.75					
1.00					
1.25					
1.50					
1.75					
2.00					
2.25					
2.50					
2.75					
3.00					
3.25					
3.50					
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8.25					
8.50					
8.75					
9.00					
9.25					
9.50					
9.75					
10.00					
	1.565536000 E-30 5.0989983260 E-26 4.6114110476 E-26 1.8610890172 E-24 4.3174861378 E-23 6.6968357612 E-22 7.6563423742 E-21 6.8954135564 E-20  5.1286806349 E-19 3.212041854 E-18 1.8192456254 E-17 9.0783839635 E-17 4.1128586632 E-16 1.7107075824 E-15 6.5896580209 E-15 2.3669792743 E-14 7.9739572751 E-14 2.5323071475 E-13  7.6165747392 E-13 2.1792561543 E-12 5.9557894430 E-12 1.5606166893 E-11 3.9344358352 E-11 9.5732969580 E-11 2.2545640757 E-10 5.1521666776 E-10 1.1450762205 E-9 2.4801934702 E-9  5.2449707105 E-9 1.084744450 E-8 2.1973005615 E-8 4.3653478376 E-8 1.5163066855 E-8 1.6333336617 E-7 5.0827317744 E-7 5.7311584590 E-7 1.0504377012 E-6 1.8996124311 E-6  2.2147054050 E-31 3.1304921699 E-29 1.8199566612 E-27 5.7490182767 E-26 1.1652286700 E-24 1.6868581543 E-23 1.8765239723 E-22  1.6897068709 E-21 1.2793373179 E-20 8.3798466582 E-20 4.8519439690 E-19 2.5242959601 E-18 1.1949577457 E-17 5.1972304412 E-17 2.0930060827 E-16 7.8534916503 E-16 2.7635656410 E-15  9.1607905665 E-15 2.8752189513 E-14 8.5829799939 E-14 2.4469928425 E-13 6.6179688968 E-13 1.7583538718 E-12 4.4607135894 E-12 1.0949326609 E-11 2.6069402795 E-11 6.05393496589 E-11  1.3603950393 E-10 2.9929952277 E-10 6.4362216788 E-10 1.3548176388 E-9 2.793623786 E-9 5.6602270834 E-9 1.1260391840 E-8 2.2031395810 E-8 4.2433441921 E-8 8.0524655557 E-8  1.5161746823 E-30 6.5211501731 E-29 1.726994280 E-27 3.1654924825 E-26 4.3493124515 E-25  4.7408405033 E-24 4.2736235587 E-23 3.284414351 E-22 2.2078267560 E-21 1.3190270617 E-20 7.1060325631 E-20 3.4895315491 E-19 1.5755382807 E-18 6.5881035674 E-18 2.7635656410 E-17  9.3806077734 E-17 3.2299077990 E-16 1.0532352057 E-15 3.26748995965 E-15 9.6829384555 E-15 2.7511395620 E-14 7.5193742873 E-14 1.9828891385 E-13 5.0585500793 E-13 1.2514282691 E-12  3.0086712411 E-12 7.0435086791 E-12 1.4083301955 E-11 3.580809780 E-11 7.831896845 E-11 1.6748017406 E-10 3.5129834280 E-10 7.2357947558 E-10 1.4649948048 E-9 2.9183216106 E-9  2.2064351235 E-30 5.1203450834 E-29 8.6887212641 E-28  1.1464126223 E-26 1.2303317147 E-25 1.1108559949 E-24 8.6572527734 E-24 5.922006330 E-23 3.6411045214 E-22 2.0187586603 E-21 1.0218963404 E-20 4.7607031697 E-20 2.0554082276 E-19  8.2771801182 E-19 3.1267133593 E-18 1.1138036004 E-17 3.7604943654 E-17 1.2084090502 E-16 3.7108191985 E-16 1.0928486942 E-15 3.0945102746 E-15 8.4654828825 E-15 2.2387964138 E-14  5.7407194216 E-14 1.4302528873 E-13 3.4687514902 E-13 8.2033414048 E-13 1.8947040738 E-12 4.2799774405 E-12 9.4679274810 E-12 2.0535203521 E-11 4.3716889463 E-11 9.1441630615 E-11  1.5115885840 E-30 2.4140557944 E-29 3.0842342903 E-28 3.2492025344 E-27 2.956652996 E-26 2.5281843442 E-25 1.6243197447 E-24 1.0167795658 E-23 5.7704247779 E-23 2.9950795061 E-22 1.4326525909 E-22  6.3899377211 E-21 2.6354650487 E-20 1.0257542202 E-19 3.7688072342 E-19 1.3133440983 E-18 4.384244559 E-18 1.3035324130 E-17 4.2125774111 E-17 1.2343359636 E-16 3.4901057051 E-16  9.5463317866 E-16 2.5335993499 E-15 4.521248103 E-15 1.4343598142 E-14 3.9975104344 E-14 9.5466332511 E-14 2.2242767725 E-13 5.0854759412 E-13 1.1386613129 E-12 2.5014154252 E-12				

TABLE 55 - Orlano Coefficiente  $d_{12}$

C	F = 1	F = 3	F = 5	F = 7	F = 9
0.25	1.0019161983 E 0	7.6694998557 E -4	2.490210253 E -7	5.4873683487 E -11	7.3512036864 E -15
0.50	1.0077001380 E 0	3.0872606583 E -3	4.3335450947 E -6	3.5364015665 E -9	1.8952578397 E -12
0.75	1.0174589690 E 0	7.0223087875 E -3	2.2187410034 E -5	4.0750971720 E -8	4.9148727197 E -11
1.00	1.0313750292 E 0	1.2674072994 E -2	7.1240208997 E -5	2.3270715082 E -7	4.9908650022 E -10
1.25	1.0497115995 E 0	2.0192897251 E -2	1.750043624 E -4	9.0639731396 E -7	3.0383830509 E -9
1.50	1.0728212053 E 0	2.9781590301 E -2	3.773414964 E -4	2.7762434366 E -6	1.3406081524 E -8
1.75	1.1011567058 E 0	4.1703857165 E -2	7.1996681828 E -4	7.2142035093 E -6	4.7434433021 E -8
2.00	1.1352854817 E 0	5.6294805135 E -2	1.2707330549 E -3	1.664090408 E -5	1.4296666518 E -7
2.25	1.1759070926 E 0	7.3974301894 E -2	2.1155396873 E -3	3.5083167998 E -5	3.8161128337 E -7
2.50	1.2238748425 E 0	9.5263683915 E -2	3.3665510095 E -3	6.895998225 E -5	9.2634444326 E -7
2.75	1.2802217597 E 0	1.2080641113 E -1	5.1695829183 E -3	1.2818029463 E -4	2.0839395369 E -6
3.00	1.3461915795 E 0	1.5139337471 E -1	7.135648776 E -3	2.2764361856 E -4	4.4054294233 E -6
3.25	1.4232754362 E 0	1.8799369695 E -1	1.1242576879 E -2	3.8942872808 E -4	8.8437281197 E -6
3.50	1.5132551351 E 0	2.3179203001 E -1	1.6071068428 E -2	6.4543886164 E -4	1.6995701863 E -5
3.75	1.6182541334 E 0	2.8423358300 E -1	2.2602995854 E -2	1.0414453105 E -3	3.1467065128 E -5
4.00	1.7407977241 E 0	3.4707841043 E -1	3.1355776892 E -2	1.6421377625 E -3	5.6413341027 E -5
4.25	1.8838844175 E 0	4.2246690422 E -1	4.2990171403 E -2	2.5379930609 E -3	9.8329866243 E -5
4.50	2.0510711506 E 0	5.1299896946 E -1	5.8347472155 E -2	3.8543195416 E -3	1.6718988629 E -4
4.75	2.2465757084 E 0	6.2183004415 E -1	7.8495749867 E -2	5.7631292782 E -3	2.7806412096 E -4
5.00	2.4754005884 E 0	7.5278795219 E -1	1.0478736230 E -1	8.4986450346 E -3	4.5340039984 E -4
5.25	2.743484546 E 0	9.1051556118 E -1	1.3893052784 E -1	1.2377474389 E -2	7.2620156498 E -4
5.50	3.0578803220 E 0	1.1006453669 E 0	1.8307850059 E -1	1.7824774553 E -2	1.1444183957 E -3
5.75	3.4269887351 E 0	1.3300134619 E 0	2.3994079229 E -1	2.5408104843 E -2	1.7769777620 E -3
6.00	3.8608195373 E 0	1.6069221260 E 0	3.1292200207 E -1	3.5881140372 E -2	2.7220021762 E -3
6.25	4.3713274945 E 0	1.9414617035 E 0	4.0629518905 E -1	5.0240026408 E -2	4.1179551613 E -3
6.50	4.9728131476 E 0	2.3459060002 E 0	5.2541842298 E -1	6.9795921587 E -2	6.158679430 E -3
6.75	5.6824109564 E 0	2.8351970994 E 0	6.7700526329 E -1	9.6268252807 E -2	9.1136030901 E -3
7.00	6.5206821711 E 0	3.4275404280 E 0	8.6946255137 E -1	1.3190444049 E -1	1.3354770779 E -2
7.25	7.5123350736 E 0	4.1451350921 E 0	1.133122501 E 0	1.7963342044 E -1	1.9392900311 E -2
7.50	8.6871004131 E 0	5.0150705498 E 0	1.4217180271 E 0	2.4326227671 E -1	2.7925298167 E -2
7.75	1.0080796232 E 1	6.0704279640 E 0	1.8111427779 E 0	3.2772782226 E -1	3.9899363057 E -2
8.00	1.1736624104 E 1	7.3516335946 E 0	2.3021693247 E 0	4.3941816217 E -1	5.6596515804 E -2
8.25	1.3706748377 E 1	8.9081227522 E 0	2.9205249321 E 0	5.8658332884 E -1	7.9742851570 E -2
8.50	1.6054221830 E 1	1.0800386631 E 1	3.6983602021 E 0	7.7985921951 E -1	1.1165468923 E -1
8.75	1.8855335603 E 1	1.3102491431 E 1	4.6758450628 E 0	1.0329355740 E 0	1.5542961988 E -1
9.00	2.2202489119 E 1	1.5905180301 E 1	5.9031643199 E 0	1.3634069839 E 0	2.1519678817 E -1
9.25	2.6207697665 E 1	1.9319694886 E 1	7.4430009309 E 0	1.7938563645 E 0	2.9644417845 E -1
9.50	3.1006882377 E 1	2.3482485663 E 1	9.3736477589 E 0	2.35323375492 E 0	4.0644587922 E -1
9.75	3.6765120790 E 1	2.8561020568 E 1	1.1792884587 E 1	3.0786084032 E 0	5.5481899602 E -1
10.00	4.3683077331 E 1	3.4760951318 E 1	1.4822822845 E 1	4.0173990415 E 0	7.5424849719 E -1

TABLE 55a - Oblate Coefficients  $d_1^{1,2}$

C	r=11	r=13	r=15	r=17	r=19
7.25	6.9759798420 E-19	4.9355243157 E-23	2.7111293309 E-27	7.8403494672 E-27	1.1221556870 E-30
0.50	7.1946871306 E-16	2.0378825790 E-19	4.4743025277 E-23	5.2128474596 E-24	1.6787937664 E-27
0.75	4.1985392384 E-14	2.670383450 E-17	1.322024111 E-20	3.0290059917 E-25	1.0290059917 E-25
1.00	7.5808788808 E-13	8.5911376919 E-16	7.535502049 E-19	1.7185892155 E-23	1.7185892155 E-23
1.25	7.2127963667 E-12	1.2774001009 E-14	1.534315675 E-17	1.9208200833 E-20	4.6988117007 E-22
1.50	4.5839036213 E-11	1.1692371824 E-13	2.3114773132 E-16	3.6466973570 E-19	7.7734448307 E-21
1.75	2.081978877 E-10	7.6680546857 E-13	2.0636323183 E-15	4.4318877076 E-18	8.9133411159 E-20
2.00	8.6952198834 E-10	3.9445582520 E-12	1.3867429505 E-14	3.8903532327 E-17	7.7320605166 E-19
2.25	2.9362082950 E-9	1.6872780041 E-11	7.5084708456 E-14	2.6662373831 E-16	5.3865881195 E-18
2.50	8.8073187878 E-9	6.2444941627 E-11	3.4313475882 E-13	1.5044184955 E-15	3.1445928353 E-17
3.00	2.3977908494 E-8	2.0574777820 E-10	1.3680157622 E-12	7.2578850414 E-15	1.5872674143 E-16
3.25	6.032897000 E-8	6.1609782765 E-10	4.8752808611 E-12	3.0782831990 E-14	7.0935825735 E-16
3.50	1.4212938537 E-7	1.7034143084 E-9	1.5819176604 E-11	1.1722165095 E-13	2.8587550226 E-15
3.75	3.167276062 E-7	4.4018512164 E-9	4.7404924160 E-11	4.0736167636 E-13	1.0540536336 E-14
4.00	6.7295721876 E-7	1.0733831822 E-8	1.3267322419 E-10	1.3085696968 E-12	3.5970783403 E-14
4.25	1.3719764462 E-6	2.4888617121 E-8	3.4990693573 E-10	3.9256852624 E-12	1.1468818351 E-13
4.50	2.6976822639 E-6	5.5215591686 E-8	8.7595619958 E-10	1.1090501642 E-11	3.4428788827 E-13
4.75	5.1373709119 E-6	1.1779841967 E-7	2.0939055614 E-9	2.9707903543 E-11	9.7936768192 E-13
5.00	9.5082927971 E-6	2.4269331529 E-7	4.803084654 E-9	7.5882704413 E-11	2.6541927134 E-12
5.25	1.7152774984 E-5	4.8455665248 E-7	1.0616235075 E-8	1.8570905225 E-10	6.8844725981 E-12
5.50	3.0234373425 E-5	9.4033952031 E-7	2.2689894936 E-8	4.3721947857 E-10	1.7158023122 E-11
5.75	5.2181089150 E-5	1.7783595194 E-6	4.7054205247 E-8	9.9368563502 E-10	4.1228882311 E-11
6.00	8.8340394614 E-5	3.2844847705 E-6	9.4808547035 E-8	2.1866919670 E-9	9.5800527698 E-11
6.25	1.4693649157 E-4	5.935788977 E-6	1.8626238116 E-7	4.6715190855 E-9	2.1582824583 E-10
6.50	2.4055529346 E-4	1.0515573316 E-5	3.5737374891 E-7	9.7111224850 E-9	4.7253933678 E-10
6.75	3.8763032987 E-4	1.87370015 E-5	6.7084137677 E-7	1.9684258662 E-8	1.0075472663 E-9
7.00	6.1626760258 E-4	3.147789031 E-5	1.2340020803 E-6	3.8977217496 E-8	2.0960809317 E-9
7.25	9.6723306874 E-4	5.2606652976 E-5	2.2276204358 E-6	7.5621174460 E-8	4.2619135188 E-9
7.50	1.5000494072 E-3	8.7223843249 E-5	3.9515436807 E-6	1.4339953568 E-7	8.4825326720 E-9
7.75	2.3006949651 E-3	1.4264891207 E-4	6.8962325887 E-6	2.6720386964 E-7	1.6549351198 E-8
8.00	3.4924223630 E-3	2.3032715033 E-4	1.185395392 E-5	4.8921047079 E-7	3.1670412924 E-8
8.25	5.2506840086 E-3	3.6748168250 E-4	2.0086968487 E-5	6.8105267376 E-7	5.9631525900 E-8
8.50	7.8236312052 E-3	5.7982228335 E-4	3.3589349147 E-5	1.5624800339 E-6	1.1038048238 E-7
8.75	1.1560148693 E-2	9.0529466188 E-4	5.5472271862 E-5	2.7311746347 E-6	2.0118998089 E-7
9.00	1.6948044567 E-2	1.3997581841 E-3	9.0546673040 E-5	4.7096557984 E-6	3.6142080776 E-7
9.25	2.4665886212 E-2	2.1443378261 E-3	1.4618398489 E-4	8.0183604382 E-6	6.4043789049 E-7
9.50	3.5653122279 E-2	3.257381874 E-3	2.3358368240 E-4	1.3488489916 E-5	1.1203001505 E-6
9.75	5.1204445925 E-2	4.9080158921 E-3	3.6942490546 E-4	2.2434805825 E-5	1.9359605603 E-6
10.00	7.3097948716 E-2	7.3389113065 E-3	5.7957053773 E-4	3.6918151400 E-5	3.3071332812 E-6
	1.0376363525 E-1	1.0895480721 E-2	9.0094035314 E-4	6.0141361558 E-5	

TABLE 55b - Oblate Coefficients  $d_1^{12}$

C	r=21	r=23	r=25	r=27	r=29
0.25					
0.50	4.4996666825 E-31	8.0547999702 E-30	3.5457095588 E-31	4.5197354394 E-31	2.6609325983 E-31
0.75	1.4433950452 E-28	4.5672782653 E-28	1.4794503255 E-29	1.0062196461 E-29	4.0298028114 E-30
1.00	1.2796964311 E-26	1.4000242833 E-26	3.7806797144 E-28	1.6287690181 E-28	4.8560638577 E-29
1.25	5.0387050065 E-26	2.7390230662 E-25	6.6500388710 E-27		4.8316337164 E-28
1.50	1.1346803204 E-23	4.0422292276 E-23	8.7188407724 E-26		4.0846523402 E-27
2.00	1.6994949997 E-22				3.0011785687 E-26
2.25	1.8660043746 E-21				3.0011785687 E-26
2.50	1.6049961119 E-20				1.9515811762 E-25
2.75	1.1337821729 E-19	3.4552411805 E-22	9.0181092942 E-25	2.0385136175 E-27	1.1398637397 E-24
3.00	6.8108379485 E-19	2.4702055959 E-21	7.6727837724 E-25	2.0641106594 E-26	6.0530551417 E-24
3.25	3.5721804748 E-18	1.5204920237 E-20	5.5427200140 E-23	1.7449374022 E-25	2.9522617216 E-23
3.50	1.6695078919 E-17	8.2411300196 E-20	3.4839835833 E-22	1.2756415105 E-24	1.3338354701 E-22
3.75	7.065681558 E-17	4.0034694401 E-19	1.9427511957 E-21	8.1651782933 E-24	5.6230543032 E-22
4.00	2.7429818358 E-16	1.7680772148 E-18	9.7607952872 E-21	4.6670683106 E-23	2.2257456753 E-21
4.25	9.8706401959 E-16	7.1811354834 E-18	4.4746506663 E-20	2.4149613620 E-22	8.3169053221 E-21
4.50	3.320156811 E-15	2.7079219626 E-17	1.8912513078 E-19	2.4149613620 E-22	2.9477114491 E-20
4.75	1.0521306574 E-14	9.5556987937 E-17	7.4338030350 E-19	1.440912731 E-21	9.9507203335 E-20
5.00	3.1578768292 E-14	3.176578119 C E-16	2.7371935986 E-19	2.0430893371 E-20	3.2112576980 E-19
5.25	9.0251819043 E-14	1.0004193030 E-15	9.4999355549 E-18	7.8148360111 E-20	9.9393247038 E-19
5.50	2.4669428250 E-13	2.9994226397 E-15	3.1213878231 E-17	2.8195632041 E-19	2.9597120926 E-18
5.75	6.4737751461 E-13	8.5971265431 E-15	9.7822648974 E-17	2.8195632041 E-19	8.5004993716 E-18
6.00	1.6364302264 E-12	2.3644318715 E-14	2.9274794776 E-16	3.1406674246 E-18	2.3605335266 E-17
6.25	3.9962625758 E-12	6.2598913194 E-14	8.4036974711 E-16	9.7763706729 E-18	6.3517946214 E-17
6.50	9.4527948291 E-12	1.6000154629 E-13	2.3213352464 E-15	2.9187873537 E-17	1.6594639631 E-16
6.75	2.1708471354 E-11	3.9583730121 E-13	6.1875490155 E-15	2.9187873537 E-17	4.2170953867 E-16
7.00	4.8503359623 E-11	9.5005455951 E-13	1.5955494741 E-14	8.3834631757 E-17	1.0441316670 E-15
7.25	1.0563564620 E-10	2.2167966585 E-12	3.9893538460 E-14	2.3229055255 E-16	2.5226412747 E-15
7.50	2.2464199768 E-10	5.0381327804 E-12	9.6915151198 E-14	6.2244381829 E-16	5.9555604784 E-15
7.75	4.671875312 E-10	1.1171873416 E-11	2.2918792441 E-13	1.6165928577 E-15	1.37556789026 E-14
8.00	9.5154785068 E-10	2.4208911602 E-11	5.2849931942 E-13	4.0776973963 E-15	3.1128332627 E-14
8.25	1.9005276176 E-9	5.1338009474 E-11	1.1902201418 E-12	1.0070977646 E-14	6.907436950 E-14
8.50	3.7268380031 E-9	1.0668090993 E-10	2.6215652219 E-12	2.3940211940 E-14	1.5046756449 E-13
8.75	7.1829969787 E-8	2.1749086381 E-10	5.6547549071 E-12	5.9902495262 E-14	
9.00	1.362959452 E-8	4.3549433294 E-10	1.1959418562 E-11	1.2760616277 E-13	
9.25	2.5436086915 E-8	8.5734338977 E-10	2.487427181 E-11	2.8511190558 E-13	
9.50	4.6817290694 E-8	1.6609872360 E-9	5.0643512033 E-11	6.2428604593 E-13	
9.75	8.5003295112 E-8	3.1695339209 E-9	1.0160098003 E-10	1.3410888867 E-12	
10.00	1.5233938550 E-7	5.9620071062 E-9	2.0064813956 E-10	2.6293190946 E-12	
				5.8677100053 E-12	

TABLE 56 - Oblate Coefficients  $d_{l,3}$

C	$r = 1$	$r = 2$	$r = 4$	$r = 6$	$r = 8$
1.25	-2.1451367233 E -3	9.9939590112 E -1	6.61023359980 E -4	1.9699081754 E -7	3.4664857763 E -11
1.50	-8.6577958894 E -3	9.9755665372 E -1	6.6398161850 E -3	3.1471184608 E -6	2.2153765759 E -9
1.75	-1.9468895218 E -2	9.9440153451 E -1	5.9231453471 E -3	1.5691384602 E -5	2.5172841398 E -8
1.00	-3.4866315224 E -2	9.8979661631 E -1	1.0487653629 E -2	5.0037475720 E -5	1.4093601979 E -7
1.25	-5.4959643750 E -2	9.8355664427 E -1	1.6297993011 E -2	1.2154937591 E -4	5.3506635838 E -7
1.50	-7.9981195341 E -2	9.7544714615 E -1	2.3304433923 E -2	2.5041768164 E -4	1.5879128661 E -6
1.75	-1.116157800 E -1	9.6519466071 E -1	3.1442270903 E -2	4.6185510348 E -4	3.9735390844 E -6
2.00	-1.4573754633 E -1	9.5249681177 E -1	4.0619592554 E -2	7.7731673322 E -4	8.7714883971 E -6
2.25	-1.8691357526 E -1	9.3704556034 E -1	5.0736346571 E -2	1.2504277449 E -3	1.7585623773 E -5
2.50	-2.3581698432 E -1	9.1856039777 E -1	6.1666105656 E -2	1.8494728415 E -3	3.2665030245 E -5
2.75	-2.8644240.58 E -1	8.9683579369 E -1	7.3272436218 E -2	2.6650918299 E -3	5.7026606627 E -5
3.00	-3.4457639.547 E -1	8.7180174197 E -1	8.5420023946 E -2	3.7084935378 E -3	9.4590624062 E -5
3.25	-4.175518989 E -1	8.45590.1465 E -1	9.7996201945 E -2	5.0124328128 E -3	1.5036230657 E -4
3.50	-4.7521693524 E -1	8.1258815730 E -1	1.1094358930 E -1	6.6139439502 E -3	2.3072456409 E -4
3.75	-5.4593370424 E -1	7.7945889538 E -1	1.2427893264 E -1	8.5593753896 E -3	3.4394274409 E -4
4.00	-6.1873613998 E -1	7.450823367 E -1	1.3815320661 E -1	1.0911832267 E -2	5.0100724130 E -4
4.25	-6.925.205773 E -1	7.1144584963 E -1	1.5283883949 E -1	1.3760537749 E -2	7.1694310212 E -4
4.50	-7.6639218362 E -1	6.7646634198 E -1	1.6874472207 E -1	1.7231366028 E -2	1.0127107058 E -3
4.75	-8.4004.81184 E -1	6.45841.6266 E -1	1.8640108308 E -1	2.1498344039 E -2	1.4178518320 E -3
5.00	-9.1365545585 E -1	6.129496775 E -1	2.0644774232 E -1	2.6797115690 E -2	1.9741425039 E -3
5.25	-9.8802439038 E -1	5.8383237926 E -1	2.2963510138 E -1	3.34424488171 E -2	2.7406986436 E -3
5.50	-1.064757684 E 0	5.5621728169 E -1	2.5684389116 E -1	4.1852683144 E -2	3.8012110334 E -3
5.75	-1.1448342151 E 0	5.295604232 E -1	2.8912279982 E -1	5.2582846698 E -2	5.2742360133 E -3
6.00	-1.2314146499 E 0	5.0306882415 E -1	3.2773902965 E -1	6.6370001256 E -2	7.3277214195 E -3
6.25	-1.327554233 E 0	4.7569140442 E -1	3.7423498914 E -1	8.4190948215 E -2	1.0199162824 E -2
6.50	-1.435187157 E 0	4.46374.4339 E -1	4.3048269275 E -1	1.0733338394 E -1	1.4222874348 E -2
6.75	-1.5599181798 E 0	4.1248190228 E -1	4.9872657800 E -1	1.3747858332 E -1	1.9865719359 E -2
7.00	-1.7061189614 E 0	3.7269597329 E -1	5.8160487797 E -1	1.7679211508 E -1	2.7722286916 E -2
7.25	-1.8794922180 E 0	3.2389236307 E -1	6.8214656823 E -1	2.280189586 E -1	3.8820206777 E -2
7.50	-2.0866361936 E 0	2.625106988 E -1	8.0375097374 E -1	2.9458244902 E -1	5.4186655177 E -2
7.75	-2.3351265464 E 0	1.8411088386 E -1	9.5016984276 E -1	3.8069545748 E -1	7.5428622124 E -2
8.00	-2.6336563241 E 0	8.3206977295 E -2	1.125519213 E 0	4.9149555784 E -1	1.0458201147 E -1
8.25	-2.9922680418 E 0	-4.6941726216 E -2	1.3343130412 E 0	6.3322532445 E -1	1.4426719622 E -1
8.50	-3.4226944912 E 0	-2.1460522875 E -1	1.5815934165 E 0	8.1347021284 E -1	1.9795041289 E -1
8.75	-3.9388386193 E 0	-4.2994372846 E -1	1.8730128553 E 0	1.0414669174 E 0	2.6995144822 E -1
9.00	-4.5571786371 E 0	-7.0547306309 E -1	2.2149959437 E 0	1.3284897133 E 0	3.6590930161 E -1
9.25	-5.2977316820 E 0	-1.0666534419 E 0	2.6148709749 E 0	1.6883252986 E 0	4.9301968357 E -1
9.50	-6.1845416798 E 0	-1.5026247649 E 0	3.0813047353 E 0	2.13785.4385 E 0	6.6048162582 E -1
9.75	-7.2467693332 E 0	-2.0671194465 E 0	3.622928538 E 0	2.697732823 E 0	8.8003511407 E -1
10.00	-8.5197928446 E 0	-2.7795933692 E 0	4.2514538318 E 0	1.3932801599 E 0	1.1666375005 E 0

TABLE 56a - Oblate Coefficients  $d_{l,3}$

C	r=11	r=12	r=14	r=16	r=18
1.25	4.725340657 E-15	3.4572167268 E-19	2.1901078729 E-23	1.0922876236 E-27	2.8690968838 E-27
2.50	1.411274779 E-12	3.5149665235 E-16	8.9588326239 E-20	1.7872763544 E-24	1.8804085803 E-24
3.75	2.6619950131 E-11	2.022242514 E-14	1.1597531735 E-17	5.2359956361 E-21	1.8762762722 E-22
5.00	2.6498871284 E-10	3.5790594195 E-13	3.6492820552 E-16	2.9123635074 E-19	6.6159676361 E-21
6.25	1.5723912496 E-9	3.318323926 E-12	5.2870857229 E-15	6.5933325527 E-18	1.2164997521 E-19
7.50	6.7202356359 E-8	2.0428042272 E-11	4.6874654627 E-14	8.4183918749 E-17	1.4233214101 E-18
8.75	2.2895575172 E-7	9.474977815 E-10	2.9597594977 E-13	7.23578547 E-16	1.1956332106 E-17
10.00	6.637796417 E-6	3.5734066133 E-9	1.4569923777 E-12	4.6531119075 E-15	7.7951690569 E-17
11.25	1.6764505551 E-5	1.1475384637 E-8	5.9281906580 E-12	2.3966150596 E-14	4.1602826469 E-16
12.50	3.646813882 E-4	3.2522392743 E-7	2.1748819729 E-11	1.0358422095 E-13	1.8883133614 E-15
13.75	8.1326320194 E-3	8.3242128485 E-6	6.4286727972 E-10	3.884614242 E-13	7.4999849909 E-15
15.00	1.677599322 E-2	1.9590163475 E-5	1.8514742153 E-10	1.2960222708 E-12	2.6489177678 E-14
16.25	3.3721457661 E-1	4.2990187743 E-4	4.6428565415 E-10	3.9221712013 E-12	8.623277079 E-14
17.50	5.5518340134 E-1	8.8987765495 E-4	1.1155787744 E-9	1.0937231267 E-11	2.5789715268 E-13
18.75	9.1783330355 E-1	1.7545818495 E-3	2.5278676764 E-9	2.8474822125 E-11	7.2193576629 E-13
20.00	1.5257724254 E-1	3.323735632 E-3	5.4558656152 E-9	6.9998546545 E-11	1.912303917 E-12
21.25	2.47286632 E-1	6.0951465447 E-3	1.1313690492 E-8	1.6437615687 E-11	4.8380868489 E-12
22.50	3.9299888952 E-1	1.0692363427 E-2	2.2711509351 E-8	3.6992215692 E-11	1.178371987 E-11
23.75	6.1587111519 E-1	1.975453228 E-2	4.4416811691 E-8	8.072616179 E-11	2.7893622284 E-11
25.00	9.548474825 E-1	3.2887223654 E-2	8.5066856612 E-8	1.7164464348 E-9	6.389009901 E-11
26.25	1.4690244109 E-1	5.619536574 E-2	1.6226136287 E-7	3.571458633 E-9	1.4354978127 E-10
27.50	2.2504951757 E-1	9.453657993 E-2	2.9760227660 E-7	7.2982633265 E-9	3.1634347765 E-10
28.75	3.4346239422 E-1	1.5837525294 E-1	5.4664321269 E-7	1.4087229613 E-8	6.8535658943 E-10
30.00	5.230981244 E-1	2.637665717 E-1	9.945614231 E-7	2.9166575548 E-8	1.4621787444 E-9
31.25	7.951796827 E-1	4.370871776 E-1	1.7941162965 E-6	5.723513838 E-8	3.3751822175 E-9
32.50	1.273981338 E-1	7.21026265387 E-1	3.211422017 E-6	1.1157957669 E-7	6.378215394 E-9
33.75	1.8304840228 E-1	1.183984223 E-1	5.7341981416 E-6	2.1326872328 E-7	1.3049605479 E-8
35.00	2.7691862933 E-1	1.9341445997 E-1	1.305467338 E-5	4.0499992851 E-7	2.631725822 E-8
36.25	4.1762122376 E-1	3.142686612 E-1	1.755296250 E-5	7.625231467 E-7	5.2286242880 E-8
37.50	6.2709974535 E-1	5.3657929523 E-1	3.0357250521 E-5	1.4395178934 E-6	1.0225440215 E-7
38.75	9.364177025 E-1	8.0973931683 E-1	5.1936925148 E-5	2.5786738187 E-6	3.7217594624 E-7
40.00	1.3889736250 E-1	1.2529906697 E-1	8.7822339238 E-5	4.6516762912 E-6	6.9236900381 E-7
41.25	2.447191492 E-1	2.0123174245 E-1	1.4668288825 E-4	8.269751657 E-6	1.2668759525 E-6
42.50	2.9857480212 E-1	3.1237407636 E-1	2.4192350020 E-4	1.4486767089 E-5	2.2811448033 E-6
43.75	4.3236880809 E-1	4.3236880809 E-1	3.9599797146 E-4	2.5009576427 E-5	4.0448467288 E-6
45.00	6.294594024 E-1	7.294535257 E-1	5.3581620933 E-4	4.2566286065 E-5	7.671573723 E-6
46.25	8.846152423 E-1	1.097897928 E-1	1.007897928 E-3	7.1464869599 E-5	1.2176374226 E-5
47.50	1.2535597185 E-1	1.6367455390 E-1	1.5837471363 E-3	1.1843335459 E-4	2.0715703803 E-5
48.75	1.755775947 E-1	2.4181516637 E-1	2.4629364616 E-3	1.938283046 E-4	2.0715703803 E-5
50.00	2.4463916226 E-1	3.5424745241 E-1	3.7918866156 E-3	3.1371182284 E-4	



TABLE 56b - Oblate Coefficients d<sub>r</sub><sup>13</sup>

C	r=2	r=22	r=24	r=26	r=28
0.25	3.788506649 E-31	4.3675696653 E-29	2.2146372384 E-30	3.5528114238 E-30	2.0693475185 E-30
0.50	5.5861873528 E-28	3.7724244165 E-27	1.2161171224 E-28	8.6883745296 E-29	3.1693176358 E-29
0.75	9.8774549941 E-26	1.4457605465 E-25	3.1185475118 E-24	1.4539858247 E-27	
1.00	5.459954140J E-24	2.3025797411 E-21	4.4698650971 E-26	1.803607322 E-26	
1.25	1.4457605465 E-22	2.5266517920 E-20	8.8832627591 E-25		
1.50	2.3025797411 E-21	2.0850898219 E-19	8.9247265669 E-24		
1.75	2.5266517920 E-20	1.3740675613 E-18			
2.00	2.0850898219 E-19	3.7991895348 E-21			
2.25	1.3740675613 E-18	2.5256917541 E-20	7.1801569373 E-23	1.7559811194 E-25	
2.50	3.7991895348 E-21	1.4214656027 E-19	4.8100514494 E-22	1.501789147 E-24	3.7343340004 E-28
2.75	7.548726929 E-18	3.5687583802 E-17	6.9612078909 E-19	1.501789147 E-24	3.5438913141 E-27
3.00	3.5687583802 E-17	1.4214656027 E-19	2.7652104370 E-21	9.4488069531 E-24	2.807213451 E-26
3.25	1.4887291939 E-16	5.0322244166 E-18	1.3975629276 E-20	5.5391472162 E-23	1.9090266647 E-25
3.50	5.5893759192 E-16	1.1962817027 E-17	6.3310743482 E-20	2.881925385 E-22	1.14052268394 E-24
3.75	1.920305938 E-15	1.1962817027 E-17	2.6149170489 E-19	1.3548773381 E-21	6.1026670800 E-24
4.00	6.119523705 E-15	4.340527672 E-17	9.9862619167 E-19	5.8441249695 E-21	2.9730267695 E-23
4.25	1.831439462L E-14	1.4675100651 E-16	3.5689422928 E-18	2.3429257573 E-21	1.3369217737 E-22
4.50	5.1997559228 E-14	4.6748979081 E-16	1.2057273269 E-17	8.8251782228 E-20	5.6141871105 E-22
4.75	1.4126402617 E-13	1.4163702421 E-15	3.8827291144 E-17	3.1513194865 E-19	2.2227600323 E-21
5.00	3.6979676252 E-13	4.1127117902 E-15			
5.25	9.3815092523 E-13	1.1516317488 E-14	1.1998315689 E-16	1.0745153684 E-18	8.3618319120 E-21
5.50	2.316860591 E-12	3.1251319758 E-14	3.5770855381 E-16	3.5189328341 E-18	3.0377196428 E-20
5.75	5.588983247 E-12	8.2503059419 E-14	1.0332579035 E-15	1.1119877939 E-17	1.0396374572 E-19
6.00	1.3204939190 E-11	2.125272111 E-13	2.9013353835 E-15	3.4030146773 E-17	3.4670895349 E-19
6.25	3.617139716 E-11	5.3538740079 E-13	7.933806696 E-15	1.0111861362 E-16	1.1189965109 E-18
6.50	6.9754786404 E-11	1.320989785 E-12	2.1215517837 E-14	2.9251431015 E-16	3.532262123 E-18
6.75	1.5626665719 E-10	3.1952284336 E-12	5.5383310418 E-14	8.2439274809 E-16	1.0655224629 E-17
7.00	3.4427674274 E-10	7.5791810139 E-12	1.4141613037 E-13	2.2656488113 E-15	3.1514546532 E-17
7.25	7.4571779879 E-10	1.7628242768 E-11	3.5312926491 E-13	6.0752338941 E-15	9.0674995592 E-17
7.50	1.5871743862 E-9	4.018701228 E-11	8.6213239888 E-13	1.58713238725 E-14	2.5381683675 E-16
7.75	3.5173042783 E-9	8.9751299122 E-11	2.0571704708 E-12	4.047368035 E-14	6.9111323537 E-16
8.00	6.8051440124 E-9	1.9629653939 E-10	4.7964451970 E-12	1.0059284237 E-13	1.8310559200 E-15
8.25	1.3698544577 E-8	4.2038763172 E-10	1.0927604991 E-11	2.4379066653 E-13	4.7203913049 E-15
8.50	2.7059960655 E-8	8.812865177 E-10	2.4334406579 E-11	5.7637898077 E-13	1.1844214528 E-14
8.75	5.2475304231 E-8	1.8120736359 E-9	5.2998456185 E-11	1.3502848868 E-12	2.8978671253 E-14
9.00	9.9958330549 E-8	3.6515657329 E-9	1.1298057247 E-10	3.000089113 E-12	6.9134492286 E-14
9.25	1.8717534445 E-7	7.2213134464 E-9	2.3596919143 E-10	6.6175278433 E-12	1.6106330130 E-13
9.50	3.4483451598 E-7	1.4027898136 E-8	4.8334984721 E-10	1.429372953 E-11	3.6686230296 E-13
9.75	6.2558370875 E-7	2.6793171631 E-8	9.720163300 E-10	3.026626891 E-11	8.1796473756 E-13
10.00	1.1185348675 E-6	5.0364009044 E-8	1.9210254327 E-9	6.2894892786 E-11	1.7872974731 E-12

TABLE 57 - Oblate Coefficients  $d_1^{14}$

C	r = 1	r = 3	r = 5	r = 7	r = 9
1.25	-1.418181550 E -3	1.0043711682 E 0	5.7418911689 E -4	1.4864619334 E -7	2.3011504731 E -11
1.50	-5.684 695217 E -3	1.0 17450850 E 0	2.29997772633 E -3	2.3818014348 E -6	1.4748670842 E -9
1.75	-1.2831448557 E -2	1.0 39131504 E 0	5.187560511 E -3	1.2087223979 E -5	1.6841572743 E -8
1.00	-2.2915802211 E -2	1.0 69223844 E 0	9.2516832342 E -3	5.8532452071 E -5	9.4959738692 E -8
1.25	-3.611557523 E -2	1.0107538538 E 0	1.4516861568 E -2	9.400 129843 E -5	3.6389540159 E -7
1.50	-5.2217801682 E -2	1.0153745398 E 0	2.1 12683761 E -2	1.95985 8602 E -4	1.0927180683 E -6
1.75	-7.164 975 34 E -2	1.0257555765 E 0	2.8776777 31 E -2	5.6546265998 E -4	2.774 855935 E -6
2.00	-9.4407 90185 E -2	1.02885809 E 0	3.7855137598 E -2	6.2824332098 E -4	6.2303958622 E -6
2.25	-1.2 65110624 E -1	1.03365 7513 E 0	4.8303247 48 E -2	1.015236178 E -3	1.2747405705 E -5
2.50	-1.5 51520527 E -1	1.0411057218 E 0	6.5187718991 E -2	1.5630544093 E -3	2.4240827387 E -5
2.75	-1.8414587340 E -1	1.0491995989 E 0	7.3588572442 E -2	2.3146087388 E -3	4.3463701379 E -5
3.00	-2.2169186896 E -1	1.0579220876 E 0	8.8602283759 E -2	3.3211512744 E -3	7.4265574316 E -5
3.25	-2.635 383647 E -1	1.067279275 E 0	1.2534573771 E -1	4.6416506353 E -3	1.291898153 E -4
3.50	-3.0913047422 E -1	1.0772981214 E 0	1.2396133783 E -1	6.3465996073 E -3	1.9353477665 E -4
3.75	-3.5935414368 E -1	1.08803 4404 E 0	1.4462294291 E -1	8.519377501 E -3	2.9859574302 E -4
4.00	-4.1414381452 E -1	1.09955538542 E 0	1.6754336817 E -1	1.125951011 E -2	4.4964802409 E -4
4.25	-4.7371482692 E -1	1.1119832469 E 0	1.9298277975 E -1	1.468659 3706 E -2	6.632 245093 E -4
4.50	-5.3834867980 E -1	1.12545 3557 E 0	2.2125836043 E -1	1.8945247243 E -2	9.6091326956 E -4
4.75	-6. 839352696 E -1	1.1401213371 E 0	2.5275519730 E -1	2.4211366887 E -2	1.3711206026 E -3
5.00	-6. 843 177128 E -1	1.1561823679 E 0	2.8793834449 E -1	3.0699823397 E -2	1.9308666701 E -3
5.25	-7. 666890548 E -1	1.1738355179 E 0	3.2736644995 E -1	3.8673996631 E -2	2.6885194969 E -3
5.50	-8. 563 798717 E -1	1.1932912092 E 0	3.7170701758 E -1	4.8457442587 E -2	3.7071899922 E -3
5.75	-9. 5414635957 E -1	1.2147595176 E 0	4.2175381489 E -1	6.0448131412 E -2	5.0691385028 E -3
6.00	-1. 614348740 E 0	1.23844 3879 E 0	4.7844684739 E -1	7.5135781787 E -2	6.8814629215 E -3
6.25	-1. 1796963943 E 0	1.2645125789 E 0	5.4289541782 E -1	9.31229 6312 E -2	9.2833927620 E -3
6.50	-1.3107929 61 E 0	1.29312 8706 E 0	6.1644481271 E -1	1.151503 785 E -1	1.2455610399 E -2
6.75	-1.4569789793 E 0	1.32436 8135 E 0	7.0050718873 E -1	1.4212789967 E -1	1.6632112695 E -2
7.00	-1.6209636796 E 0	1.35826 5907 E 0	7.9699728686 E -1	1.7517188497 E -1	2.2115244522 E -2
7.25	-1.8059833432 E 0	1.3947554097 E 0	9.0797370543 E -1	2.1564953472 E -1	2.9294680115 E -2
7.50	-2. 158879904 E 0	1.43366636767 E 0	1. 358866285 E 0	2.65233 6373 E -1	3.8671307552 E -2
7.75	-2.2552446790 E 0	1.4746403436 E 0	1. 18359331378 E 0	3.2596444447 E -1	5.0887196857 E -2
8.00	-2.5294615080 E 0	1.5171631527 E 0	1.3544215244 E 0	4.0033340453 E -1	6.6765116721 E -2
8.25	-2.8449375778 E 0	1.56 4195412 E 0	1.5522463455 E 0	4.9137147385 E -1	8.7345424540 E -2
8.50	-3.2092431234 E 0	1.6 32946363 E 0	1.7815763164 E 0	6.0276544335 E -1	1.1394660751 E -1
8.75	-3.6313388554 E 0	1.6442573735 E 0	2.0476574777 E 0	7.389945815 E -1	1.483 831945 E -1
9.00	-4. 1218403998 E 0	1.6812581761 E 0	2.3565944239 E 0	9.0549676887 E -1	1.9251246267 E -1
9.25	-4.6933392672 E 0	1.7115993345 E 0	2.7154927324 E 0	1.1886697924 E 0	2.4927473664 E -1
9.50	-5.3607908962 E 0	1.7317666847 E 0	3.1326261213 E 0	1.3571155497 E 0	3.2199615102 E -1
9.75	-6. 1419845358 E 0	1.73722 8862 E 0	3.6176322948 E 0	1.6599362447 E 0	4.1495732869 E -1
10.00	-7. 581114212 E 0	1.7221598304 E 0	4.1817419793 E 0	2.0290957762 E 0	5.3353806532 E -1

TABLE 57a - Oblate Coefficients  $d_{14}$

C	r=11	r=13	r=15	r=17	r=19
2.25	2.4583313174 E-15	1.8509058609 E-19	1.0607353763 E-23	4.8488370440 E-28	1.1785834148 E-27
3.50	6.1746659205 E-13	1.8777207782 E-16	4.3514904013 E-20	7.9563778274 E-24	7.7617501429 E-25
4.75	1.5865143777 E-11	1.085692957 E-14	5.6605345204 E-18	2.3287443354 E-21	7.7729925370 E-23
6.00	1.5903969654 E-10	1.9347128198 E-13	1.7935321610 E-16	1.3117976298 E-19	2.7748649334 E-21
7.25	9.5235829953 E-10	1.8103349074 E-12	2.6223620597 E-15	2.9970015083 E-18	5.1610780806 E-20
8.50	4.1185550369 E-9	1.1274636128 E-11	2.3519419718 E-14	3.8704009534 E-17	6.1237909035 E-19
9.75	1.4233640907 E-8	5.341368729 E-11	1.5061503959 E-13	3.3741849675 E-16	5.2310721121 E-18
11.00	4.1761880888 E-8	2.0529334793 E-10	7.5406077132 E-13	2.2066149132 E-15	3.4781038020 E-17
12.25	1.281676923 E-7	6.6653365845 E-10	3.1294463080 E-12	1.1591440925 E-14	1.8986318095 E-16
13.50	2.5402210888 E-7	1.932881105 E-9	1.1205631250 E-11	5.1241937675 E-14	
14.75	5.5131549107 E-7	5.077326741 E-9	3.5623641114 E-11	1.9716558717 E-13	6.8396450434 E-16
16.00	1.1216002082 E-6	1.2296764022 E-8	1.0270132255 E-10	6.7659280451 E-13	3.6105497708 E-15
17.25	2.1621554455 E-6	2.7831253932 E-8	2.7287751382 E-10	2.1102824525 E-12	1.3218692367 E-14
18.50	3.9831864686 E-6	5.9490307221 E-8	6.7670465322 E-10	6.0709452758 E-12	4.4112871452 E-14
19.75	7.0602282328 E-6	1.2111433936 E-7	1.5821539686 E-9	1.6299210097 E-11	1.3599063332 E-13
21.00	1.2107558954 E-5	2.3646267941 E-7	3.5162028310 E-9	4.1229106833 E-11	3.9149572296 E-13
22.25	2.5187705560 E-5	4.4525687985 E-7	7.8783977157 E-9	9.9031312596 E-11	1.0519242743 E-12
23.50	3.2819247546 E-5	8.124560019 E-7	1.5307422859 E-8	2.2735832449 E-10	2.7342361401 E-12
24.75	5.2245558344 E-5	1.4423470209 E-6	3.0298363145 E-8	5.0165919572 E-10	6.7246479520 E-12
26.00	8.1639193811 E-5	2.4997645843 E-6	5.8225402232 E-8	1.0681919060 E-9	1.5881642718 E-11
27.25	1.2551976903 E-4	4.2418002084 E-6	1.0901262821 E-7	2.2074539935 E-9	3.6180503978 E-11
28.50	1.9026989723 E-4	7.0648435715 E-6	1.9942977961 E-7	4.4348747250 E-9	7.9814881872 E-11
29.75	2.8485677118 E-4	1.1573881186 E-5	3.5739235143 E-7	8.6921391597 E-9	1.7106441557 E-10
31.00	4.2181674392 E-4	1.8683876702 E-5	6.2874819079 E-7	1.6661337345 E-8	3.5721789400 E-10
32.25	6.1859455732 E-4	2.9167055410 E-5	1.0878802339 E-6	3.1309848771 E-8	7.2654987739 E-10
33.50	8.9935562291 E-4	4.6865379844 E-5	1.8541096137 E-6	5.7737080752 E-8	1.4542554288 E-9
34.75	1.2974252309 E-3	7.2994906012 E-5	3.1168307423 E-6	1.0473164500 E-7	2.8460925378 E-9
36.00	1.8585541701 E-3	1.1257865883 E-4	5.1736672316 E-6	1.8706655554 E-7	5.4694417903 E-9
37.25	2.6452673972 E-3	1.7215794779 E-4	8.4878635909 E-6	3.2937720797 E-7	1.0334390181 E-8
38.50	3.7426250984 E-3	2.6074968556 E-4	1.3773837587 E-5	5.7224323896 E-7	1.9220066662 E-8
39.75	5.2658178107 E-3	3.9204062137 E-4	2.123602620 E-5	9.8176295374 E-7	3.5218012854 E-8
41.00	7.3701349905 E-3	5.8504023331 E-4	3.5192021174 E-5	1.6644473798 E-6	6.3631167983 E-8
42.25	1.0263996865 E-2	8.6685467834 E-4	5.5466099434 E-5	2.7901589611 E-6	1.1344343892 E-7
43.50	1.4225931862 E-2	1.2756977364 E-3	8.6653493947 E-5	4.6271048960 E-6	1.9969459280 E-7
44.75	1.9626627892 E-2	1.8651250884 E-3	1.3423903167 E-4	7.5947400201 E-6	3.4727449937 E-7
46.00	2.6957499558 E-2	2.70977.6781 E-3	2.0627662968 E-4	1.2343066557 E-5	5.9693883179 E-7
47.25	3.6867612610 E-2	3.9130849542 E-3	3.1450924435 E-4	1.9870552732 E-5	1.0146974606 E-6
48.50	5.0211313834 E-2	5.6177329734 E-3	4.7594365505 E-4	3.1698162470 E-5	1.7064375808 E-6
49.75	6.8109556876 E-2	8.0195166260 E-3	7.1505299401 E-4	5.0124388300 E-5	2.8403826293 E-6
51.00	9.2028727436 E-2	1.1385953674 E-2	1.0668419445 E-3	7.8594520990 E-5	4.6813821315 E-6

TABLE 57b -- Oblate Coefficients  $d_1^{14}$

C	r=21	r=23	r=25	r=27	r=29
2.25	2.1401917319 E-28	1.5717885278 E-29	7.5361535133 E-31	1.1664670275 E-30	6.6486112392 E-31
2.50	3.8103675991 E-26	1.3699611042 E-27	4.1857490773 E-29	2.933526287 E-29	1.0412394267 E-29
3.00	2.1254535638 E-24	5.2839532747 E-26	1.2525117242 E-27	4.9489887686 E-28	
3.25	5.6928183395 E-23	1.6161670010 E-24	2.3843186733 E-26	6.2775328277 E-27	
3.50	9.1943199455 E-22	1.6929419161 E-23	3.2144886949 E-25		
3.75	1.258823670 E-20	1.832594308 E-22	3.5024952264 E-24		
4.00	8.634417372 E-20	1.5005591662 E-21			
4.25	5.818809358 E-19				
4.50	3.2783642890 E-18	1.023355492 E-20	2.7246142180 E-23	6.2670493863 E-26	1.2578303389 E-28
4.75	1.593772071 E-17	5.9195656086 E-20	1.8763357602 E-22	5.1366415465 E-25	1.2269940962 E-27
5.00	6.849317849 E-17	2.9858645714 E-19	1.1108617326 E-21	3.5693697325 E-24	1.0007197910 E-26
5.25	2.6512481927 E-16	1.347674038 E-18	5.7854270286 E-21	7.1561638672 E-23	7.0115095184 E-26
5.50	9.3844298355 E-16	5.4485375980 E-18	2.6994807991 E-20	1.1550635976 E-22	4.3122901464 E-25
5.75	3.745667359 E-15	2.0514079341 E-17	1.1453169923 E-19	5.5766005119 E-22	2.3690909271 E-24
6.00	9.4172158761 E-15	7.0255840729 E-17	4.47255154360 E-21	2.4588154360 E-21	1.1793852522 E-23
6.25	2.7191930832 E-14	2.2748858801 E-16	1.6239153175 E-18	1.001552775 E-20	5.3839583015 E-23
6.50	7.4537858345 E-14	6.9498574749 E-16	5.5289269634 E-18	3.7982417945 E-20	2.2764690354 E-22
6.75	1.9512322197 E-13	2.016452633 E-15	1.7779239751 E-17	1.3536286508 E-19	8.9910657319 E-22
7.00	4.9026487194 E-13	5.5875886195 E-15	5.433392384 E-17	4.561487693 E-19	3.5410342203 E-21
7.25	1.1874608570 E-12	1.4458074116 E-14	1.5860175657 E-16	1.461775035 E-18	1.1753068728 E-20
7.50	2.7828098118 E-12	3.873123960 E-14	4.4428734661 E-16	4.4766437916 E-18	3.9348207201 E-20
7.75	6.330379988 E-12	9.4323667821 E-14	1.1989254502 E-15	1.3156918429 E-17	1.2594630170 E-19
8.00	1.414149258 E-11	2.266680592 E-13	3.127001260 E-15	3.724475206 E-17	3.8694065158 E-19
8.25	3.268295545 E-11	5.2968529232 E-13	7.9059832730 E-15	1.0187042386 E-16	1.1449354560 E-18
8.50	6.5905774165 E-11	1.263798255 E-12	1.9422891265 E-14	2.6994852211 E-16	3.2724579352 E-18
8.75	1.3212069489 E-10	2.6830191099 E-12	4.6466716495 E-14	6.9467528309 E-16	9.0580958420 E-18
9.00	2.6786641110 E-10	5.8365756310 E-12	1.0845303380 E-13	1.7395347066 E-15	2.4334870402 E-17
9.25	5.5326497779 E-10	1.2436824648 E-11	2.4734738876 E-13	4.2462094311 E-15	6.3575708885 E-17
9.50	1.2435440092 E-9	2.5996662712 E-11	5.5200497727 E-13	1.0119428642 E-14	1.6179238903 E-16
9.75	2.2392646544 E-9	5.3527612302 E-11	1.2069176406 E-12	2.3576787858 E-14	4.0167667604 E-16
10.00	3.8096372333 E-9	1.0759577710 E-10	2.586241550 E-12	5.3766020888 E-14	9.7413925488 E-16
	7.118290253 E-8	2.1526191416 E-10	5.4483151166 E-12	1.2614144945 E-13	2.3104999817 E-15
	1.3115559543 E-8	4.1633274848 E-10	1.1269529085 E-11	2.6330358786 E-13	5.3653420049 E-15
	2.3844884792 E-8	8.0159631028 E-10	2.2922358927 E-11	5.6648511770 E-13	1.2210718730 E-14
	4.2799633769 E-8	1.5174480176 E-9	4.5880153356 E-11	1.1974142237 E-12	2.7256776852 E-14
	7.5834056147 E-8	2.83646108 E-9	9.0431161657 E-11	2.4886149297 E-12	5.9734243096 E-14
	1.3296711406 E-7	5.232382329 E-9	1.7563673301 E-10	5.089198116 E-12	1.2862201904 E-13
	2.3037175912 E-7	9.5312150667 E-9	3.3634466919 E-10	1.0247013905 E-11	2.7231930556 E-13

TABLE 58 - Oblate Coefficients  $d_{15}$

C	r = 0	r = 2	r = 4	r = 6	r = 8
0.25	8.0561563016 E -7	-1.0519264315 E -3	9.9974603506 E -1	5.0418277026 E -4	1.15333697454 E -7
0.50	1.29075337298 E -5	-4.2556591213 E -3	9.9897732598 E -1	2.0152767661 E -3	1.8441131962 E -6
0.75	6.5492989280 E -5	-9.4538501606 E -3	9.9767344658 E -1	4.5288673650 E -3	9.3249657099 E -6
1.00	2.7643225612 E -4	-1.6784149721 E -2	9.9508040666 E -1	8.037424616 E -3	2.94222985358 E -5
1.25	5.0897313259 E -4	-2.6178083951 E -2	9.9331074389 E -1	1.2530044023 E -2	7.1679212632 E -5
1.50	1.0604969432 E -3	-3.7610069798 E -2	9.9014361594 E -1	1.7992088328 E -2	1.4823682224 E -4
1.75	1.9756910240 E -3	-5.1046102467 E -2	9.8622495991 E -1	2.4404712267 E -2	2.7374084152 E -4
2.00	3.3917125970 E -3	-6.6442217989 E -2	9.8146744532 E -1	3.1744295743 E -2	4.0520725117 E -4
2.25	5.4707237369 E -3	-8.3742768951 E -2	9.7577165938 E -1	3.9981752887 E -2	7.4185620281 E -4
2.50	8.4012558518 E -3	-1.0287855507 E -1	9.6902430971 E -1	4.9081726981 E -2	1.1249027942 E -3
2.75	1.2399533359 E -2	-1.237485083 E -1	9.6110045364 E -1	5.9001656953 E -2	1.6372973195 E -3
3.00	1.7719652617 E -2	-1.462936919 E -1	9.5186276610 E -1	6.969070495 E -2	2.3034051555 E -3
3.25	2.4609479666 E -2	-1.7036019377 E -1	9.4116216617 E -1	8.1088549318 E -2	3.1486145818 E -3
3.50	3.3401081979 E -2	-1.9580370286 E -1	9.2883828722 E -1	9.3124013086 E -2	4.1988592321 E -3
3.75	4.423436561 E -2	-2.2240250141 E -1	9.1472350412 E -1	1.0571360576 E -1	5.4800413437 E -3
4.00	5.8031048589 E -2	-2.5014337971 E -1	8.9862942942 E -1	1.1875998749 E -1	7.0173440284 E -3
4.25	7.4621959193 E -2	-2.7862534055 E -1	8.8037948247 E -1	1.3215051845 E -1	8.8344280030 E -3
4.50	9.4602408616 E -2	-3.0765779976 E -1	8.5978302158 E -1	1.4575611911 E -1	1.0952524660 E -2
4.75	1.1839315384 E -1	-3.3695918894 E -1	8.3665679576 E -1	1.5943083620 E -1	1.3389468959 E -2
5.00	1.4641314853 E -1	-3.662164011 E -1	8.1083163437 E -1	1.7501272209 E -1	1.6158770104 E -2
5.25	1.7906006846 E -1	-3.9508583955 E -1	7.8216636694 E -1	1.8632690007 E -1	1.9268903882 E -2
5.50	2.1668320689 E -1	-4.231972537 E -1	7.5056678576 E -1	1.9919195970 E -1	2.2723133221 E -2
5.75	2.5954793693 E -1	-4.5126200593 E -1	7.160976920 E -1	2.1143099333 E -1	2.6520316937 E -2
6.00	3.079279561 E -1	-4.7538771985 E -1	6.785711826 E -1	2.2288842458 E -1	3.0657317537 E -2
6.25	3.6138388676 E -1	-4.9970102504 E -1	6.3845290989 E -1	2.334295181 E -1	3.5133687604 E -2
6.50	4.2007686227 E -1	-5.2037876440 E -1	5.9602336698 E -1	2.4308577934 E -1	3.9959166301 E -2
6.75	4.8342286630 E -1	-5.3918505888 E -1	5.5171065173 E -1	2.5184462945 E -1	4.5164012152 E -2
7.00	5.5069764246 E -1	-5.5460728792 E -1	5.0617951749 E -1	2.5991234203 E -1	5.0811330746 E -2
7.25	6.2118690270 E -1	-5.698020065 E -1	4.6005000061 E -1	2.6759234899 E -1	5.7009668759 E -2
7.50	6.9412332891 E -1	-5.8638736355 E -1	4.1390102843 E -1	2.7529983337 E -1	6.3923945666 E -2
7.75	7.6894781386 E -1	-5.8935331821 E -1	3.6814087199 E -1	2.8352448569 E -1	7.1783880288 E -2
8.00	8.4543507912 E -1	-5.9720606097 E -1	3.2291976237 E -1	2.9286257609 E -1	8.0891148541 E -2
8.25	9.2379293341 E -1	-6.0350130206 E -1	2.7809163605 E -1	3.0366562490 E -1	9.1628542810 E -2
8.50	1.004709584 E 0	-6.0889212817 E -1	2.3315337274 E -1	3.1664514307 E -1	1.0447432741 E -1
8.75	1.0893667854 E 0	-6.1368101296 E -1	1.8734440745 E -1	3.3226272063 E -1	1.200251273 E -1
9.00	1.1794452224 E 0	-6.1807491222 E -1	1.3966596362 E -1	3.5104310036 E -1	1.3902791821 E -1
9.25	1.2771428346 E 0	-6.2216283217 E -1	8.8525163738 E -2	3.7352362425 E -1	1.6242056859 E -1
9.50	1.3852146433 E 0	-6.2588974032 E -1	3.238738440 E -2	4.0025654819 E -1	1.9137979833 E -1
9.75	1.5070311622 E 0	-6.2901982904 E -1	-3.0861477276 E -2	4.3179437326 E -1	2.2737224066 E -1
10.00	1.6466452542 E 0	-6.3108474975 E -1	-1.0377288034 E -1	4.6865519238 E -1	2.7224427754 E -1

TABLE 58a - Oblate Coefficients  $d_{15}$

C	r=1	r=12	r=14	r=16	r=18
0.25	1.5941188137 E-11	1.5047527179 E-15	1.0409660675 E-19	5.5302483948 E-24	2.3335074514 E-28
0.50	1.0195487045 E-9	3.849624557 E-13	1.065276904 E-16	2.2637365239 E-20	3.8207907253 E-24
0.75	1.160182574 E-8	9.8552626441 E-12	6.1361346643 E-15	2.9339636399 E-18	1.1142163646 E-21
1.00	6.5073495572 E-8	9.8288057089 E-11	1.0879693632 E-13	9.2403257213 E-17	6.2439971859 E-20
1.25	2.4772782353 E-7	5.8465725297 E-10	1.0112387799 E-12	1.3431758918 E-15	1.4169763901 E-18
1.50	7.5778656131 E-7	2.576274615 E-9	6.2459710306 E-12	1.1946993018 E-14	1.8149485265 E-17
1.75	1.8540725750 E-6	8.5818823259 E-9	2.9093197639 E-11	7.574706953 E-14	1.5663277757 E-16
2.00	4.1175117218 E-6	2.4884846975 E-8	1.1021865192 E-10	3.7480239302 E-13	1.0123378009 E-15
2.25	8.3121295579 E-6	6.3589133702 E-8	3.5646461754 E-10	1.5344191501 E-12	5.2456625992 E-15
2.50	1.5564984753 E-5	1.4733397525 E-7	1.0177125610 E-9	5.4089438785 E-12	2.2837682781 E-14
2.75	2.7422374750 E-5	3.135182713 E-7	2.6252146267 E-9	1.6891073126 E-11	8.6276452462 E-14
3.00	4.5932666223 E-5	6.251497899 E-7	6.2332976881 E-9	4.771892097 E-11	2.901527639 E-13
3.25	7.3724717599 E-5	1.1780916246 E-6	1.3789448596 E-8	1.2391561108 E-10	8.8425820677 E-13
3.50	1.141692171 E-4	2.1154967016 E-6	2.8726460634 E-8	2.9945354673 E-10	2.4787271428 E-12
3.75	1.7109844184 E-4	3.6433389337 E-6	5.681390518 E-8	6.805916141 E-10	6.4634465409 E-12
4.00	2.4952732689 E-4	6.04922264649 E-6	1.0737462858 E-7	1.4628228926 E-9	1.5822519335 E-11
4.25	3.5514951906 E-4	9.7241165051 E-6	1.9495493329 E-7	2.9994981818 E-9	3.6636941585 E-11
4.50	4.9416669999 E-4	1.518669555 E-5	3.4155323204 E-7	5.8940822021 E-9	8.0739446471 E-11
4.75	6.7421059388 E-4	2.319735865 E-5	5.7951563570 E-7	1.1148487245 E-8	1.7022608863 E-10
5.00	9.329784673 E-4	3.4348730189 E-5	9.5521267316 E-7	2.0373922435 E-8	3.44486330774 E-10
5.25	1.1902657516 E-3	4.9971461102 E-5	1.5336286467 E-6	3.6090373992 E-8	6.7386827454 E-10
5.50	1.5446174258 E-3	7.1290851683 E-5	2.4040512660 E-6	6.2143373503 E-8	1.2743428384 E-9
5.75	1.9765351533 E-3	9.9924023093 E-5	3.687194282 E-6	1.042787648 E-7	2.3390311669 E-9
6.00	2.497633499 E-3	1.3774628243 E-4	5.5444294470 E-6	1.709378312 E-7	4.1787147408 E-9
6.25	3.1186117307 E-3	1.871768075 E-4	6.1903734634 E-6	2.743769921 E-7	7.2857958966 E-9
6.50	3.8559775396 E-3	2.5111725268 E-4	1.1911256363 E-5	4.3229314990 E-7	1.2431482610 E-8
6.75	4.7281804387 E-3	3.329590476 E-4	1.7092911216 E-5	6.7026793121 E-7	2.0816878264 E-8
7.00	5.7605588535 E-3	4.3861772415 E-4	2.4264332757 E-5	1.0255466664 E-6	3.49312898345 E-8
7.25	6.9892474484 E-3	5.7373450716 E-4	3.4164954299 E-5	1.5529644496 E-6	5.5847441999 E-8
7.50	8.4644594370 E-3	7.4784981819 E-4	4.7846417522 E-5	2.3342363695 E-6	9.00352333035 E-8
7.75	1.0256044005 E-2	9.7382176827 E-4	6.6823386142 E-5	3.49244552622 E-6	1.4420389767 E-7
8.00	1.2459455051 E-2	1.2696697193 E-3	3.294585640 E-5	5.2144641892 E-6	2.3006353224 E-7
8.25	1.5203478785 E-2	1.6606198898 E-3	1.3046666557 E-4	7.7856565568 E-6	3.6642124105 E-7
8.50	1.8660443057 E-2	2.1820220379 E-3	1.830311078 E-4	1.1643575382 E-5	5.8359575795 E-7
8.75	2.371552871 E-2	2.8834033454 E-3	2.578922553 E-4	1.7461209867 E-5	9.3059746039 E-7
9.00	3.0714466413 E-2	3.8342483022 E-3	3.6509347947 E-4	2.6275817014 E-5	1.4867872151 E-6
9.25	3.6331373163 E-2	5.1320524518 E-3	5.1957454769 E-4	3.9687328200 E-5	2.3807236038 E-6
9.50	4.5561616979 E-2	6.9133778607 E-3	7.4315459472 E-4	6.0160947083 E-5	3.8203871716 E-6
9.75	5.8033633799 E-2	9.3686671172 E-3	1.0677982802 E-3	9.1482319825 E-5	6.1410778845 E-6
10.00	7.4404670757 E-2	1.2761553365 E-2	1.5399854909 E-3	1.3943023221 E-4	9.8801613609 E-6

TABLE 50b - Oblate Coefficients d<sub>15</sub>

C	r=20	r=22	r=24	r=26	r=28
0.25	5.2546975856 E-28	6.8709377108 E-29	6.0742311572 E-30	2.7216727851 E-31	3.9044916121 E-31
0.50	3.4478674160 E-25	1.5711896282 E-26	5.2586257126 E-28	1.4990702251 E-29	9.5938446479 E-30
1.00	3.4350034176 E-23	8.7952993145 E-21	2.0113573761 E-26	4.4407788170 E-28	1.6146389436 E-28
1.25	1.218226821 E-20	2.3122271412 E-23	4.3774814818 E-25	8.3539930348 E-27	2.0159105666 E-27
1.50	2.2466247950 E-20	3.6971071381 E-22	6.3087924779 E-24	1.1108620890 E-25	
1.75	2.6391052060 E-19	4.0766721117 E-21	6.4238743438 E-23	1.1233797447 E-24	
2.00	2.2279300372 E-18	3.3440159024 E-20	5.4255883615 E-22		
2.25	1.4611818907 E-17	2.2450838417 E-19			
2.50	7.6517437875 E-17				
2.75	3.5905392709 E-16	1.2423391316 E-18	3.6329871068 E-21	9.1022643833 E-24	1.9765014464 E-26
3.00	1.4369530597 E-15	5.97456501 E-18	2.0595157734 E-20	6.1411923865 E-23	1.5870804479 E-25
3.25	5.1409283436 E-15	2.4848512663 E-17	1.0150558348 E-19	3.5524805477 E-22	1.0775226425 E-24
3.50	1.6715605675 E-14	9.371322061 E-17	4.4401948566 E-19	1.8023912846 E-21	6.3408227714 E-24
3.75	5.0044625660 E-14	3.2212383882 E-16	1.7522691775 E-18	8.1661445328 E-21	3.2981986891 E-23
4.00	1.3041628945 E-13	1.0211929353 E-15	6.3212484830 E-18	3.3521788368 E-20	1.5405929861 E-22
4.25	3.6451712594 E-13	3.0147715794 E-15	2.1070641247 E-17	1.2615941685 E-19	6.5462054047 E-22
4.50	9.0085084569 E-13	8.3547942272 E-15	6.5477046920 E-17	4.3959061103 E-19	2.5575603648 E-21
4.75	2.1168877957 E-12	2.1880609143 E-14	1.9110504053 E-16	1.4298926062 E-18	9.2701462484 E-21
5.00	4.7537742628 E-12	5.4461494578 E-14	5.2719231099 E-16	4.3714189516 E-18	3.1410038135 E-20
5.25	1.0245991026 E-11	1.2946243779 E-13	1.3820874501 E-15	1.2638070012 E-17	1.0013893577 E-19
5.50	2.1275949977 E-11	2.9517086140 E-13	3.4596228340 E-15	3.4730706788 E-17	3.0210418615 E-19
5.75	4.2708947342 E-11	6.4793938621 E-13	8.3039365390 E-15	9.1145496936 E-17	8.6680752463 E-19
6.00	8.3139999383 E-11	1.3742040717 E-12	1.9185981634 E-14	2.2939577620 E-16	2.3762779025 E-18
6.25	1.5742515965 E-10	2.8253890661 E-12	4.2827521182 E-14	5.5590104608 E-16	6.2510373708 E-18
6.50	2.9282009222 E-10	5.6500619442 E-12	9.268482722 E-14	1.3021471412 E-15	1.5845159079 E-17
6.75	5.2578720650 E-10	1.1026223058 E-11	1.9524460142 E-13	2.9597237723 E-15	3.886200074 E-17
7.00	9.333140100 E-10	2.1073671365 E-11	4.0167586577 E-13	6.5536119713 E-15	9.2606170603 E-17
7.25	1.6521041424 E-9	3.581612271 E-11	8.1017224577 E-13	1.4192318702 E-15	2.152977385 E-16
7.50	2.6208802417 E-9	7.3318849632 E-11	1.6079741619 E-12	3.0175859140 E-14	4.9031478509 E-16
7.75	4.6339957938 E-9	1.3437999497 E-10	3.1512043561 E-12	6.3218571065 E-14	1.0797339401 E-15
8.00	8.2367879377 E-9	2.4440840652 E-10	6.1163769673 E-12	1.3091747733 E-13	2.4254128216 E-15
8.25	1.3984019255 E-8	4.4219440136 E-10	1.1787828575 E-11	2.6870192317 E-13	5.3003780781 E-15
8.50	2.3703628513 E-8	7.9733551483 E-10	2.2602361437 E-11	5.477249546 E-13	1.1483814775 E-14
8.75	4.162496777 E-8	1.4347804208 E-9	4.3179293310 E-11	1.1105608725 E-12	2.4707051481 E-14
9.00	6.8076019050 E-8	2.5788087793 E-9	8.2262594407 E-11	2.241978025 E-12	5.2842135161 E-14
9.25	1.1547596296 E-7	4.6315055933 E-9	1.5636530140 E-10	4.5089805625 E-12	1.1241586563 E-13
9.50	1.7601722505 E-7	8.3118051666 E-9	2.9655984510 E-10	9.0348869491 E-12	2.3792239836 E-13
9.75	3.3282466323 E-7	1.4899386312 E-8	5.6100538264 E-10	1.8031278438 E-11	5.0083652214 E-13
10.00	5.6481908001 E-7	2.6656881111 E-8	1.0577650665 E-9	3.5818289230 E-11	1.0479332911 E-12

TABLE 59 - Oblate Coefficients 4.16

C	r = 1	r = 3	r = 5	r = 7	r = 9
0.25	4.6002615971 E -7	-8.3458119245 E -4	1.0001960160 E 0	4.4880957562 E -4	9.1952910883 E -8
0.50	7.367756686 E -6	-3.3405801682 E -3	1.0007808834 E 0	1.7963365700 E -3	1.4721711411 E -6
0.75	3.7361222836 E -5	-7.5247305215 E -3	1.0017450487 E 0	4.0458663980 E -3	7.4606712638 E -6
1.00	1.1835217343 E -4	-1.3398146519 E -2	1.0035725522 E 0	7.2028436335 E -3	2.36135966101 E -5
1.25	2.8979426837 E -4	-2.0976161487 E -2	1.0047409746 E 0	1.1274825959 E -2	5.7759886197 E -5
1.50	6.7304856016 E -4	-3.0276103469 E -2	1.0067213639 E 0	1.6271421013 E -2	1.2004654072 E -4
1.75	1.1218368232 E -3	-4.1327009988 E -2	1.0089781480 E 0	2.2204207579 E -2	2.2305568557 E -4
2.00	1.9227696472 E -3	-5.414928417 E -2	1.0114690366 E 0	2.9086643244 E -2	3.8163092941 E -4
2.25	3.0959330261 E -3	-6.8774294839 E -2	1.0141449188 E 0	3.6933961496 E -2	6.1347144780 E -4
2.50	4.7455135489 E -3	-8.5233923475 E -2	1.0169497641 E 0	4.5763062433 E -2	9.3874222163 E -4
2.75	6.9904383807 E -3	-1.0356206126 E -1	1.0198205385 E 0	5.5592402939 E -2	1.3804523140 E -3
3.00	9.9650020475 E -3	-1.2379405987 E -1	1.0226871481 E 0	6.6441894438 E -2	1.9645534113 E -3
3.25	1.3819447394 E -2	-1.4596614058 E -1	1.0254724290 E 0	7.8332819525 E -2	2.7201118625 E -3
3.50	1.8720463869 E -2	-1.7011476794 E -1	1.028022036 E 0	9.1287782974 E -2	3.6795088850 E -3
3.75	2.4851561662 E -2	-1.9627599727 E -1	1.0304554309 E 0	1.0533071821 E -1	4.8786756062 E -3
4.00	3.2413276858 E -2	-2.2448481075 E -1	1.0324644791 E 0	1.2048697749 E -1	6.3573724046 E -3
4.25	4.1623163223 E -2	-2.5477446508 E -1	1.0340155545 E 0	1.3678354266 E -1	8.1595258312 E -3
4.50	5.2715526003 E -2	-2.8717588667 E -1	1.0349993184 E 0	1.5424940386 E -1	1.0333641533 E -2
4.75	6.5940867106 E -2	-3.2171716782 E -1	1.0353017175 E 0	1.7291616456 E -1	1.29333318355 E -2
5.00	8.1565027805 E -2	-3.5842324113 E -1	1.0348050421 E 0	1.9281894294 E -1	1.6017697422 E -2
5.25	9.9868051459 E -2	-3.9731580007 E -1	1.0333891996 E 0	2.1399764909 E -1	1.9553290680 E -2
5.50	1.2114284186 E -1	-4.3841386969 E -1	1.0303331515 E 0	2.3649872351 E -1	2.3913044048 E -2
5.75	1.4569376891 E -1	-4.8173439955 E -1	1.0273744093 E 0	2.6037742093 E -1	2.8879720641 E -2
6.00	1.7383547229 E -1	-5.2729440389 E -1	1.0224204134 E 0	2.8570071212 E -1	3.464648887 E -2
6.25	2.0589223254 E -1	-5.7511352395 E -1	1.0161295298 E 0	3.1255085185 E -1	4.132.207532 E -2
6.50	2.4219840559 E -1	-6.2521860096 E -1	1.0083313314 E 0	3.4102962254 E -1	4.9022693438 E -2
6.75	2.8310053421 E -1	-6.7764593509 E -1	9.9891573229 E -1	3.7126321221 E -1	5.7895941408 E -2
7.00	3.2896183294 E -1	-7.3245392446 E -1	9.8771251858 E -1	4.0340762768 E -1	6.8105817519 E -2
7.25	3.8016976619 E -1	-7.8972501992 E -1	9.7478680590 E -1	4.3765448912 E -1	7.9847729186 E -2
7.50	4.3714738402 E -1	-8.4957779282 E -1	9.598201225 E -1	4.742371158 E -1	9.3353298485 E -2
7.75	5.036894487 E -1	-9.1217617913 E -1	9.4276003780 E -1	5.1343596447 E -1	1.0889835358 E -1
8.00	5.7038016092 E -1	-9.773966452 E -1	9.2338847835 E -1	5.5558541533 E -1	1.2681240870 E -1
8.25	6.4762319401 E -1	-1.046533356 E 0	9.0184483344 E -1	6.0101810756 E -1	1.4748982915 E -1
8.50	7.334663666 E -1	-1.1189773546 E 0	8.7674773302 E -1	6.5037037855 E -1	1.7140291654 E -1
8.75	8.2823848559 E -1	-1.1934555092 E 0	8.4878530365 E -1	7.0398657667 E -1	1.9911719891 E -1
9.00	9.3326773820 E -1	-1.276522623 E 0	8.1709052304 E -1	7.6252296162 E -1	2.313.926790 E -1
9.25	1.0499253163 E 0	-1.3628107455 E 0	7.8101354192 E -1	8.26651.6075 E -1	2.6878756602 E -1
9.50	1.1798742233 E 0	-1.4550541445 E 0	7.3973039714 E -1	8.9712040005 E -1	3.1251658910 E -1
9.75	1.3251240915 E 0	-1.5540931792 E 0	6.9220758951 E -1	9.7476044148 E -1	3.6364503196 E -1
10.00	1.4860932473 E 0	-1.660877132 E 0	6.3710156456 E -1	1.060814523 E 0	4.2355387452 E -1



TABLE 59a - Oblate Coefficients d<sub>16</sub>

C	r=11	r=13	r=15	r=17	r=19
0.25	1.1481213876 E-11	9.8714410671 E-16	6.2660413662 E-20	3.0742534413 E-24	1.2047250147 E-28
0.50	7.3526791827 E-10	2.5287275395 E-13	6.4206287099 E-17	1.2600454141 E-20	1.9751341316 E-24
0.75	8.3841046811 E-9	6.4878700929 E-12	3.7065097854 E-15	1.6366666515 E-18	5.7723987637 E-22
1.00	4.7177946307 E-8	6.4904061804 E-11	6.5920403557 E-14	5.1748563894 E-17	3.2447154697 E-20
1.25	1.8031691699 E-7	3.871758192 E-10	6.1515145507 E-13	7.5455131442 E-16	7.3925412368 E-19
1.50	5.3969721499 E-7	1.6767021293 E-9	3.8181630437 E-12	6.7442679863 E-15	9.5150522565 E-18
1.75	1.3647335344 E-6	5.7506397176 E-9	1.7888922950 E-11	4.3010328921 E-14	6.2595117711 E-17
2.00	3.5507708359 E-6	1.6791738158 E-8	6.8229512069 E-11	2.1427111513 E-13	5.3745749620 E-16
2.25	6.2077016527 E-6	4.3247955244 E-8	2.224253327 E-10	8.4409557829 E-13	2.8067500494 E-15
2.50	1.1729558921 E-5	1.0089898022 E-7	6.407000672 E-10	3.1442733069 E-12	1.2324535760 E-14
2.75	2.0876037472 E-5	2.1732409726 E-7	1.669778820 E-9	9.9174272863 E-12	4.7038878940 E-14
3.00	3.5367122445 E-5	4.3825056555 E-7	4.0083293764 E-9	2.8331833298 E-11	1.5993577765 E-13
3.25	5.7492888127 E-5	8.3629905975 E-7	8.978428445 E-9	7.4489010449 E-11	4.9354966234 E-13
3.50	9.0236102019 E-5	1.5227513523 E-6	1.8963890773 E-8	1.8249670963 E-10	1.4025401716 E-12
3.75	1.3742256367 E-4	2.6630908469 E-6	3.8081862821 E-8	4.2.77725885 E-10	3.7127973047 E-12
4.00	2.0386117884 E-4	4.4972233018 E-6	7.3191639931 E-8	9.2033896411 E-10	9.2411894894 E-12
4.25	2.9563869078 E-4	7.3654853752 E-6	1.3537122404 E-7	1.9221239434 E-9	2.1792472040 E-11
4.50	4.2014166272 E-4	1.1741810.13 E-5	2.4203758917 E-7	3.8540376824 E-9	4.8999141306 E-11
4.75	5.8651686272 E-4	1.8275766459 E-5	4.1994239829 E-7	7.4530884321 E-9	1.0560585687 E-10
5.00	8.5587881335 E-4	2.7845659908 E-5	7.0934964032 E-7	1.3955140284 E-8	2.1916623589 E-10
5.25	1.0916971422 E-2	4.162523083 E-5	1.1698015506 E-6	2.5584283175 E-8	4.3968093511 E-10
5.50	1.4602407415 E-3	6.1169704995 E-5	1.8880145401 E-6	4.4987656191 E-8	8.5555763160 E-10
5.75	1.9311214687 E-3	8.8519974063 E-5	2.988321236 E-6	7.7880771772 E-8	1.6195581564 E-9
6.00	2.5279674433 E-3	1.2634169437 E-4	4.6488172808 E-6	1.3199577269 E-7	2.9903284540 E-9
6.25	3.2792651247 E-3	1.7899785411 E-4	7.118202501 E-6	2.1946400660 E-7	5.3980022494 E-9
6.50	4.2194204470 E-3	2.4827268657 E-4	1.0744747226 E-5	3.5861993844 E-7	9.5467075103 E-9
6.75	5.3901024429 E-3	3.4266051104 E-4	1.6012830934 E-5	5.7689298594 E-7	1.6573300847 E-8
7.00	6.8419480812 E-3	4.6874046921 E-4	2.3590631074 E-5	9.1496757782 E-7	2.8291371931 E-8
7.25	8.6367246473 E-3	6.3616428568 E-4	3.4397855818 E-5	1.4327538544 E-6	4.7564067594 E-8
7.50	1.085066276 E-2	8.5739237177 E-4	4.9696403898 E-5	2.2179416466 E-6	7.8870883708 E-8
7.75	1.3574924924 E-2	1.1485239141 E-3	7.1213920813 E-5	3.3982356812 E-6	1.2916560577 E-7
8.00	1.6925904231 E-2	1.5033795676 E-3	1.0131822387 E-4	5.1588271697 E-6	2.0916987031 E-7
8.25	2.1344678935 E-2	2.029911676 E-3	1.4321361382 E-4	7.7672959543 E-6	3.3531627688 E-7
8.50	2.6106744227 E-2	2.6820374096 E-3	2.0131465766 E-4	1.1609025477 E-5	5.3265642614 E-7
8.75	3.2329790471 E-2	3.5320158539 E-3	2.8160168231 E-4	1.7237440083 E-5	8.3919654969 E-7
9.00	3.9984060154 E-2	4.6385220750 E-3	3.9221944606 E-4	2.5445040084 E-5	1.3123359215 E-6
9.25	4.9405117091 E-2	6.0776108953 E-3	5.4423405628 E-4	3.7363671978 E-5	2.0383879049 E-6
9.50	6.1009543938 E-2	7.9478121113 E-3	7.526592310 E-4	5.4605034721 E-5	3.1465973411 E-6
9.75	7.5314184956 E-2	1.0376659092 E-2	1.0378213073 E-3	7.9457755220 E-5	4.8296815349 E-6
10.00	9.2959670015 E-2	1.3529026569 E-2	1.4272009974 E-3	1.1516161398 E-4	7.3737842811 E-6

TABLE 59b - Oblate Coefficients  $d_l^{16}$

C	r=21	r=23	r=25	r=27	r=29
1.25					
0.50	2.5352313668 E-28	4.0226368047 E-29	2.5985105102 E-30	6.1086111932 E-30	3.7493195765 E-30
1.75	1.6671037668 E-25	7.1429448024 E-27	2.2584765827 E-28	1.8200777019 E-28	6.3590683658 E-29
1.00	1.6659584425 E-23	3.9737372745 E-25	8.6803865921 E-27	3.4470971348 E-27	8.00936446803 E-28
1.25	5.9307112354 E-22	1.0692437404 E-23	1.9001468562 E-25	4.6193569180 E-26	
1.50	1.0992437480 E-20	1.7548858296 E-22	2.7552405335 E-24	4.7126007926 E-25	
1.75	1.2987940540 E-19	1.8933373363 E-21	2.9172472809 E-23		
2.00	1.1389086204 E-18	1.5838932026 E-20	2.4106074521 E-22		
2.25	7.2963592188 E-18	1.0661095929 E-19			
2.50	3.9354690674 E-17				
2.75	1.8268492054 E-16	5.9245890287 E-19	1.6301809158 E-21	3.8562923341 E-24	7.9305688178 E-27
3.00	7.3926036581 E-16	2.853342768 E-18	9.3439111311 E-21	2.6306136604 E-23	6.4384800407 E-26
3.25	2.6775764134 E-15	1.2129738761 E-17	4.6620251930 E-20	1.5404507689 E-22	4.4250289363 E-25
3.50	8.8254666447 E-15	4.6371502328 E-17	2.0671532181 E-19	7.9220924187 E-22	2.6393612231 E-24
3.75	2.6822547371 E-14	1.6180093399 E-16	8.2806299423 E-19	3.6432278427 E-21	1.3934677795 E-23
4.00	7.597175130 E-14	5.2147086164 E-16	3.0367596397 E-18	1.5202860891 E-20	6.6164204256 E-23
4.25	2.0227810479 E-13	1.5678549918 E-15	1.0307094801 E-17	5.8257178355 E-20	2.8624629866 E-22
4.50	5.0986657133 E-13	4.4317342273 E-15	3.2674967217 E-17	2.0704719011 E-19	1.1406368641 E-21
4.75	1.2489377105 E-12	1.1662269976 E-14	9.7450107719 E-17	6.8818665212 E-19	4.2246748768 E-21
5.00	2.8174758356 E-12	3.0238137182 E-14	2.7529355781 E-16	2.1544445541 E-18	1.4656456224 E-20
5.25	6.2334180097 E-12	7.377355907 E-14	7.4063583223 E-16	6.3913732487 E-18	4.7943308139 E-20
5.50	1.3316355046 E-11	1.7301419268 E-13	1.9067271691 E-15	1.8062018339 E-17	1.4872258672 E-19
5.75	2.7561475591 E-11	3.915070364 E-13	4.7169961846 E-15	4.8847893379 E-17	4.3968952647 E-19
6.00	5.5433397255 E-11	8.5767436808 E-13	1.1254800722 E-14	1.2693719149 E-16	1.2443579000 E-18
6.25	1.862879214 E-10	1.8243923235 E-12	2.5985349730 E-14	3.1809265719 E-16	3.3842907634 E-18
6.50	2.079129744 E-10	3.7781650913 E-12	5.8225213628 E-14	7.7113890416 E-16	8.8761530940 E-18
6.75	3.894215470 E-10	7.6357411894 E-12	1.2694975869 E-13	1.8137522820 E-15	2.2520312437 E-17
7.00	7.154422939 E-10	1.5092898127 E-11	2.6997820264 E-13	4.1497463173 E-15	5.5429678727 E-17
7.25	1.291930822 E-9	2.9235071315 E-11	5.6123472814 E-13	9.2574276101 E-15	1.3269041841 E-16
7.50	2.2928162922 E-9	5.5594164227 E-11	1.1427154432 E-12	2.0179864215 E-14	3.0965290698 E-16
7.75	4.0126734791 E-9	1.0395009076 E-10	2.2829245973 E-12	4.306802883 E-14	7.0593773079 E-16
8.00	6.9301285667 E-9	1.9144963756 E-10	4.4824573671 E-12	9.0151408331 E-14	1.5752372039 E-15
8.25	1.1825704424 E-8	3.4769234894 E-10	8.6627566757 E-12	1.8538292998 E-13	3.4464145292 E-15
8.50	1.996585120 E-8	6.2346963019 E-10	1.6500265968 E-11	3.7503859912 E-13	7.4047416344 E-15
8.75	3.358800371 E-8	1.1050687589 E-9	3.1012795626 E-11	7.4740170306 E-13	1.5645186715 E-14
9.00	5.5248209335 E-8	1.924218865 E-9	5.758877202 E-11	1.4689377449 E-12	3.2547650985 E-14
9.25	9.0745926221 E-8	3.3652876733 E-9	1.0569643311 E-10	2.8501133789 E-12	6.6742365973 E-14
9.50	1.4791781890 E-7	5.7911167176 E-9	1.9199063390 E-10	5.4640042835 E-12	1.3503321928 E-13
9.75	2.394699032 E-7	9.8815267276 E-9	3.4531809830 E-10	1.0358023775 E-11	2.6977014782 E-13
10.00	3.8492231159 E-7	1.6727478811 E-8	6.1535818044 E-10	1.9426395681 E-11	5.3255724221 E-13

TABLE 60 - Oblate Coefficients  $d_{l,17}$

C	$\tau = 1$	$\tau = 2$	$\tau = 4$	$\tau = 6$	$\tau = 8$
0.25	-1.1794599755 E-10	2.9712305712 E-7	-6.9325023760 E-4	9.9986215237 E-1	4.0363722040 E-4
0.50	-7.5542842924 E-9	4.7527415039 E-5	-2.7599746222 E-3	9.9944520397 E-1	1.6139023135 E-3
0.75	-8.6156682676 E-8	2.4550262819 E-4	-6.2066528654 E-3	9.987384709 E-1	3.6288364200 E-3
1.00	-4.8493575922 E-7	7.5963395709 E-5	-1.723146974 E-2	9.9772314006 E-1	6.4451109854 E-3
1.25	-1.654325528 E-6	1.8530528359 E-4	-1.7203495576 E-2	9.9634385709 E-1	1.0057932300 E-2
1.50	-5.5511428127 E-6	3.8385152365 E-4	-2.4736627163 E-2	9.9468095258 E-1	1.4464908300 E-2
1.75	-1.4542299319 E-5	7.1233142974 E-4	-3.3608993473 E-2	9.9258075938 E-1	1.9645878080 E-2
2.00	-3.1401783286 E-5	1.279784678 E-3	-4.3803524604 E-2	9.9023990558 E-1	2.5602704705 E-2
2.25	-6.5916615126 E-5	1.9343455017 E-3	-5.5299107882 E-2	9.879912440 E-1	3.251932036 E-2
2.50	-1.238151363 E-4	2.9420333688 E-3	-6.806992948 E-2	9.8543143734 E-1	3.978006438 E-2
2.75	-2.150333504 E-4	4.2968923955 E-3	-8.208512653 E-2	9.7924637539 E-1	4.7967964346 E-2
3.00	-3.6428996164 E-4	6.6685157963 E-3	-9.7307417177 E-2	9.7438624286 E-1	5.6862086798 E-2
3.25	-5.9206137672 E-4	8.315555117 E-3	-1.1369294421 E-1	9.6877842881 E-1	6.6438032116 E-2
3.50	-9.2883274232 E-4	1.1165134972 E-2	-1.3119009933 E-1	9.6234537088 E-1	7.6667477973 E-2
3.75	-1.4134467322 E-3	1.4652149543 E-2	-1.4973868351 E-1	9.5503497638 E-1	8.7517784038 E-2
4.00	-2.0945776853 E-3	1.8878444046 E-2	-1.6926895619 E-1	9.4667110542 E-1	9.8951426283 E-2
4.25	-3.0323498179 E-3	2.3931857744 E-2	-1.8970264844 E-1	9.3725412036 E-1	1.1092555379 E-1
4.50	-4.350645815 E-3	2.9901128522 E-2	-2.1094194876 E-1	9.2666150599 E-1	1.2339145859 E-1
4.75	-5.986491319 E-3	3.687464955 E-2	-2.3288847256 E-1	9.1479856466 E-1	1.3629402863 E-1
5.00	-8.1955913269 E-3	4.4939073426 E-2	-2.5542222747 E-1	9.0156919162 E-1	1.4957117367 E-1
5.25	-1.1252938232 E-2	5.4177760307 E-2	-2.7841058831 E-1	8.8687673752 E-1	1.6315322391 E-1
5.50	-1.4703317350 E-2	6.466906764 E-2	-3.0170529819 E-1	8.7062496896 E-1	1.7696230189 E-1
5.75	-1.9314927191 E-2	7.6484479263 E-2	-3.2514151508 E-1	8.5271914509 E-1	1.9091167075 E-1
6.00	-2.508817485 E-2	8.9686570514 E-2	-3.4853692916 E-1	8.3306723867 E-1	2.0495066694 E-1
6.25	-3.222561879 E-2	1.0432680304 E-1	-3.7169098595 E-1	8.1156134692 E-1	2.1885603542 E-1
6.50	-4.1981571692 E-2	1.244313832 E-1	-3.9438426636 E-1	7.8817936022 E-1	2.3258730239 E-1
6.75	-5.1639853666 E-2	1.5035745282 E-1	-4.1637810266 E-1	7.6278698739 E-1	2.4603024427 E-1
7.00	-6.4499299552 E-2	1.8177273205 E-1	-4.374455275 E-1	7.3534027383 E-1	2.5902488604 E-1
7.25	-7.989352821 E-2	1.7777001926 E-1	-4.5721692211 E-1	7.0578879034 E-1	2.7141841271 E-1
7.50	-9.8176515550 E-2	1.998051041 E-1	-4.7589111984 E-1	6.7409971017 E-1	2.8304888863 E-1
7.75	-1.1972335533 E-1	2.232049673 E-1	-4.9192826711 E-1	6.402631336 E-1	2.9374391324 E-1
8.00	-1.4491818777 E-1	2.478640692 E-1	-5.0620914220 E-1	6.0429813742 E-1	3.0332550290 E-1
8.25	-1.7414146426 E-1	2.7364070254 E-1	-5.180112263 E-1	5.66261448571 E-1	3.1161411758 E-1
8.50	-2.0775100432 E-1	3.0353385487 E-1	-5.2701925381 E-1	5.2625674476 E-1	3.1843888230 E-1
8.75	-2.4605675989 E-1	3.2778136437 E-1	-5.3294317232 E-1	4.8444385905 E-1	3.2364741491 E-1
9.00	-2.8928929186 E-1	3.5666059954 E-1	-5.352305422 E-1	4.4104867729 E-1	3.2712264915 E-1
9.25	-3.3756421412 E-1	3.8369336749 E-1	-5.3438355883 E-1	3.9636849691 E-1	3.2886202465 E-1
9.50	-3.9284788790 E-1	4.1155703395 E-1	-5.303068874 E-1	3.5077018079 E-1	3.2869852430 E-1
9.75	-4.4893394934 E-1	4.3892350991 E-1	-5.2189088116 E-1	3.0467580072 E-1	3.2691934006 E-1
10.00	-5.1144374977 E-1	4.6548632181 E-1	-5.1032161148 E-1	2.5853146945 E-1	3.2367608867 E-1

TABLE 60a - Oblate Coefficients  $d_1^{17}$

C	r=10	r=12	r=14	r=16	r=18
1.25	7.4873592559 E-8	8.5259986294 E-12	6.7315930886 E-16	3.9481539696 E-20	1.7996217584 E-24
2.50	1.1975102773 E-6	5.454551535 E-10	1.7226381228 E-13	4.0414029426 E-17	7.368292056 E-21
3.75	6.584342271 E-6	6.279094517 E-9	4.4121511149 E-12	2.3290259455 E-15	9.5545742495 E-19
5.00	1.7129985818 E-5	3.4855346183 E-8	4.4032701727 E-11	4.132204657 E-14	3.0136800482 E-17
6.25	4.6648497372 E-5	1.3280734965 E-7	2.6215467604 E-10	3.844074185 E-13	4.3805874117 E-16
7.50	9.6585928800 E-5	3.9598929513 E-7	1.1256273961 E-9	2.3768443829 E-12	3.9004252709 E-15
8.75	1.7861852292 E-4	9.9681741561 E-7	3.45648987617 E-9	1.085392943 E-11	2.4764880897 E-14
10.00	3.7407738589 E-4	2.2166235799 E-6	1.1202682458 E-8	4.2567779542 E-11	1.227101858 E-13
11.25	4.6589366459 E-4	4.483321328 E-6	2.8679102849 E-8	1.362724501 E-10	5.0320034168 E-13
12.50	7.3852839191 E-4	8.4139492774 E-6	6.6455768443 E-8	3.8985572642 E-10	1.7773560189 E-12
13.75	1.0778879322 E-3	1.486164049 E-5	1.4204338112 E-7	1.6383837635 E-9	5.56239907765 E-12
15.00	1.5212226412 E-3	2.4966466561 E-5	2.8402040652 E-7	2.3997995574 E-9	1.5756775365 E-11
16.25	2.0877064025 E-3	4.0239489457 E-5	5.3693320278 E-7	5.3250417493 E-9	4.1037368348 E-11
17.50	2.7947944794 E-3	6.2469219692 E-5	9.6765000509 E-7	1.1131525875 E-8	9.9501283311 E-11
18.75	3.665568152 E-3	9.479522715 E-5	1.6735370889 E-6	2.2101581577 E-8	2.2681998038 E-10
20.00	4.7189835828 E-3	1.3788783194 E-4	2.7912740207 E-6	4.1955741883 E-8	4.8997630172 E-10
21.25	5.9782593987 E-3	1.9751231119 E-4	4.5106924188 E-6	7.6559315833 E-8	1.0095316143 E-9
22.50	7.4648121520 E-3	2.7639635223 E-4	7.0867969901 E-6	1.3488967477 E-7	1.9945339574 E-9
23.75	9.2004618444 E-3	3.7985848933 E-4	1.0857086668 E-5	2.3333032265 E-7	3.7956428009 E-9
25.00	1.1256674173 E-2	5.1313544327 E-4	1.6266050007 E-5	3.8236851858 E-7	6.9836530813 E-9
26.25	1.3504662838 E-2	6.8241556745 E-4	2.3856085213 E-5	6.1877711795 E-7	1.2464374363 E-8
27.50	1.6111983759 E-2	8.946594412 E-4	3.4350913954 E-5	9.78372 6148 E-7	2.1637765715 E-8
28.75	1.9048003576 E-2	1.1576037388 E-3	4.8620539227 E-5	1.5144357572 E-6	3.6624318894 E-8
30.00	2.2327305040 E-2	1.4797438107 E-3	6.7737983485 E-5	2.2988965957 E-6	6.1562854345 E-8
31.25	2.5962011458 E-2	1.8702896946 E-3	9.3000715635 E-5	3.427345729 E-6	9.8026420886 E-8
32.50	2.996742657 E-2	2.339089678 E-3	1.2595796341 E-4	5.0249551565 E-6	1.5554467651 E-7
33.75	3.4326188789 E-2	2.8965152465 E-3	1.6843665284 E-4	7.2533337559 E-6	2.4229571567 E-7
35.00	3.9057358288 E-2	3.5533018436 E-3	2.2256445430 E-4	1.031832191 E-5	3.707652019 E-7
36.25	4.4145460481 E-2	4.320341983 E-3	2.9078823589 E-4	1.44786667499 E-5	5.5889088923 E-7
37.50	4.9574561636 E-2	5.2 84322413 E-3	3.7588632424 E-4	2.075555582 E-5	8.2928692631 E-7
38.75	5.532 489504 E-2	6.2279853032 E-3	4.8097365653 E-4	2.7442705906 E-5	1.2129792942 E-6
40.00	6.1357593640 E-2	7.3887351123 E-3	6.0950067788 E-4	3.7111750276 E-5	1.7502981278 E-6
41.25	6.7622946642 E-2	8.699493365 E-3	7.6525044516 E-4	4.9652714145 E-5	2.4934256181 E-6
42.50	7.4287602725 E-2	1.016801193 E-2	9.5234484297 E-4	6.5730352357 E-5	3.592279294 E-6
43.75	8.1697472006 E-2	1.180133938 E-2	1.1752811886 E-3	8.6159353937 E-5	4.8827900538 E-6
45.00	8.939443587 E-2	1.3606110846 E-2	1.4390358693 E-3	1.1190128349 E-4	6.7220533841 E-6
46.25	9.713765978 E-2	1.5590586603 E-2	1.749272248 E-3	1.4411121184 E-4	9.1642899141 E-6
47.50	1.0597156751 E-1	1.7766712879 E-2	2.1128398476 E-3	1.842053462 E-4	1.2385670355 E-5
48.75	1.1769716096 E-1	2.0154084125 E-2	2.5383214510 E-3	2.339698097 E-4	1.6615914074 E-5
50.00	1.3456541997 E-1	2.2784914115 E-2	3.0372436306 E-3	2.9573179504 E-4	2.2160908088 E-5

TABLE 60b - Obsolete Coefficients d<sub>17</sub>

C	r=20	r=22	r=24	r=26	r=28
2.25	6.5837109300 E-29	1.2976341521 E-28	1.9334482356 E-29	1.1771607290 E-30	2.6029497187 E-30
3.50	1.0782800195 E-24	8.5182157041 E-26	3.4265906265 E-27	1.0199182917 E-28	7.7199974608 E-29
3.75	3.1458904608 E-22	8.4917762768 E-24	1.900677403 E-25	3.9049385599 E-27	1.4543382358 E-27
1.00	1.7640598737 E-19	3.0135762585 E-22	5.0312453367 E-24	8.522076723 E-26	1.9369673092 E-26
1.25	4.0065737643 E-19	5.5641425086 E-21	8.903251877 E-22	1.2272076723 E-24	1.9624135512 E-25
1.50	5.1371405254 E-18	6.5441651363 E-20	8.303251877 E-22	1.2272076723 E-24	1.9624135512 E-25
1.75	4.4389200657 E-17	5.525240631 E-19	7.4252089518 E-21	1.0597837323 E-22	1.5934016586 E-24
2.00	2.8731206395 E-16	3.6345492501 E-18	4.9354766931 E-20	7.1114222525 E-22	1.077606818 E-23
2.25	1.4915003020 E-15	1.9567917947 E-17	2.7369766892 E-19	4.041123049 E-21	6.2503334089 E-23
2.50	6.5032503277 E-15	8.967826232 E-17	1.3068481504 E-18	1.9971273710 E-20	3.1807592184 E-22
2.75	2.4630356522 E-14	3.5978819334 E-16	5.5028428938 E-18	8.7628653205 E-20	1.446135230 E-21
3.00	8.302951987 E-14	1.2708146857 E-15	2.0817912018 E-17	3.4703842864 E-19	5.958217504 E-21
3.25	2.5380496892 E-13	4.2103640011 E-15	7.1809136163 E-17	1.2566771612 E-18	2.2521122976 E-20
3.50	7.137666371 E-13	1.2650452224 E-14	2.2854754731 E-16	4.2771504764 E-18	7.8849815474 E-20
3.75	1.8680141345 E-12	3.5384284193 E-14	6.7771729815 E-16	1.3137641415 E-17	2.5783925629 E-19
4.00	4.5918157959 E-12	9.2935884183 E-14	1.8875160721 E-15	3.855325686 E-17	7.9297765709 E-19
4.25	1.0681926218 E-11	2.385030672 E-13	4.9708280410 E-15	1.0699852684 E-16	2.3073690473 E-18
4.50	2.3664159650 E-11	5.4557048205 E-13	1.2449049704 E-14	2.823607973 E-16	6.3846233384 E-18
4.75	5.18589575 E-11	1.232939108 E-12	2.979523899 E-14	7.1179584586 E-16	1.6874051152 E-17
5.00	1.233912699 E-10	2.6759343775 E-12	6.8422263663 E-14	1.7299860593 E-15	4.276499642 E-17
5.25	2.142230305 E-10	5.98358407 E-12	1.533164532 E-13	4.0048481939 E-15	1.0426838228 E-16
5.50	3.8386985628 E-10	1.1326293072 E-11	3.2335677887 E-13	8.9972320377 E-15	2.4531247497 E-16
5.75	7.1037041319 E-10	2.22111284 E-11	6.6933910253 E-13	1.9566485257 E-14	5.5837210479 E-16
6.00	1.2795722974 E-9	4.2379066956 E-11	1.3454568565 E-12	4.128839301 E-14	1.2324002330 E-15
6.25	2.2482512336 E-9	7.8735779456 E-11	2.6319442705 E-12	8.4716445502 E-14	2.6434154753 E-15
6.50	3.8604009277 E-9	1.4277281383 E-10	5.0197873982 E-12	3.328455015 E-13	5.5195766597 E-15
6.75	6.4884089256 E-9	1.4277281383 E-10	9.3502581789 E-12	6.295831851 E-13	1.1238791565 E-14
7.00	1.0690299277 E-8	4.393096511 E-10	1.7035008982 E-11	1.1744577653 E-12	2.2349326968 E-14
7.25	1.7287959636 E-8	7.4751736335 E-10	3.0396800945 E-11	2.1468197738 E-12	4.3467452398 E-14
7.50	2.7472334464 E-8	1.2484987683 E-9	5.3183082185 E-11	3.849946914 E-12	8.2791788441 E-14
7.75	4.2942815742 E-8	2.0489558654 E-9	9.1368668678 E-11	6.7815750288 E-12	1.5463404589 E-13
8.00	6.6089681887 E-8	3.3074340966 E-9	1.5425851452 E-10	1.17478436 E-11	2.8359412700 E-13
8.25	1.023089006 E-7	5.256316330 E-9	2.5623434434 E-10	2.04254799 E-11	5.114186086 E-13
8.50	1.4991884144 E-7	8.2322742181 E-9	4.1922413570 E-10	3.3733751721 E-11	9.0827189872 E-13
8.75	2.2134092631 E-7	1.218695075 E-8	6.7659815278 E-9	5.626698353 E-11	1.591433412 E-12
9.00	3.2285327053 E-7	1.9405763737 E-8	1.0777073509 E-9	9.215423811 E-11	2.7564941920 E-12
9.25	4.6514513378 E-7	2.927766970 E-8	1.6885572241 E-9		
9.50	6.6514513378 E-7	4.3742819764 E-8	2.6524435156 E-9		
9.75	9.418819615 E-7	6.483318480 E-8			
10.00	1.3245776661 E-6				

TABLE 61 - Oblate Coefficients  $d_{f,18}$

C	r = 1	r = 3	r = 5	r = 7	r = 9
1.25	-6.243068595 E -11	2.0768277915 E -7	-5.6830579348 E -4	1.0301117782 E 0	3.6667777424 E -4
1.50	-3.9794065624 E -9	3.3242877313 E -6	-2.3545668198 E -3	1.004449613 E 0	1.4671875608 E -3
1.75	-4.577218271 E -8	1.6840675835 E -5	-5.2997964583 E -3	1.00309790875 E 0	3.3030556787 E -3
1.00	-2.5651538563 E -7	5.3275378589 E -5	-9.4296246845 E -3	1.017453676 E 0	5.8767570657 E -3
1.25	-9.802417324 E -7	1.322245159 E -4	-1.4749210223 E -2	1.002686654 E 0	9.1917598296 E -3
1.50	-2.933581891 E -6	2.7543023488 E -4	-2.1265615945 E -2	1.0037974005 E 0	1.325221505 E -2
1.75	-7.4151436661 E -6	5.0186621657 E -4	-2.8987148863 E -2	1.0355566094 E 0	1.8063365917 E -2
2.00	-1.6569622355 E -5	8.5785840532 E -4	-4.7925163194 E -2	1.076426772 E 0	2.3630993528 E -2
2.25	-3.369898784 E -5	1.3770986837 E -3	-4.8083826293 E -2	1.078837984 E 0	2.9961525166 E -2
2.50	-6.3633853122 E -5	2.13968876 E -3	-5.9479846841 E -2	1.0393869424 E 0	3.7061879015 E -2
2.75	-1.1316281171 E -4	3.0884719521 E -3	-7.2122164706 E -2	1.0106937211 E 0	4.4939320819 E -2
3.00	-1.915215116 E -4	4.3864670484 E -3	-8.6021601968 E -2	1.0123568312 E 0	5.3601307304 E -2
3.25	-3.1091753427 E -4	6.0597844199 E -3	-1.0118847467 E -1	1.013724.66 E 0	6.3055312902 E -2
3.50	-4.8729942551 E -4	8.176350976 E -3	-1.1763216526 E -1	1.0149382328 E 0	7.330840033 E -2
3.75	-7.4074572939 E -4	1.0810337618 E -2	-1.3536765428 E -1	1.0159370774 E 0	8.4368213382 E -2
4.00	-1.0965216250 E -3	1.4042215794 E -2	-1.5438001584 E -1	1.0166532146 E 0	9.6243358873 E -2
4.25	-1.5857551469 E -3	1.7958897083 E -2	-1.7469387559 E -1	1.017014724 E 0	1.0893056840 E -1
4.50	-2.2463616443 E -3	2.2653770692 E -2	-1.9650280458 E -1	1.0169418507 E 0	1.2244325189 E -1
4.75	-3.124331488 E -3	2.822674012 E -2	-2.1920375165 E -1	1.0164355011 E 0	1.3678147884 E -1
5.00	-4.2731587371 E -3	3.4784216396 E -2	-2.4338934399 E -1	1.015167325 E 0	1.5194671241 E -1
5.25	-5.7579485426 E -3	4.2439065797 E -2	-2.6884723444 E -1	1.013270464 E 0	1.6793854017 E -1
5.50	-7.6537519011 E -3	5.1310524435 E -2	-2.9555939643 E -1	1.0105828129 E 0	1.8475440716 E -1
5.75	-1.047856790 E -2	6.1523931699 E -2	-3.2350140894 E -1	1.0069953883 E 0	2.0238935868 E -1
6.00	-1.304874184 E -2	7.321569445 E -2	-3.5264173644 E -1	1.023992879 E 0	2.2083580275 E -1
6.25	-1.6747846956 E -2	8.6507773864 E -2	-3.8294101096 E -1	9.9668141911 E -1	2.4008330517 E -1
6.50	-2.1299378692 E -2	1.0155738777 E -1	-4.1435137539 E -1	9.8972438437 E -1	2.6011843376 E -1
6.75	-2.6842704153 E -2	1.1850650289 E -1	-4.4681578383 E -1	9.8140686050 E -1	2.8092467263 E -1
7.00	-3.3542668364 E -2	1.3752625473 E -1	-4.8026749713 E -1	9.716045964 E -1	3.0248243271 E -1
7.25	-4.1582580329 E -2	1.5871127868 E -1	-5.1462959819 E -1	9.6018827147 E -1	3.2476918926 E -1
7.50	-5.1164906212 E -2	1.8227869349 E -1	-5.4981469347 E -1	9.4702947797 E -1	3.4775978305 E -1
7.75	-6.2511771287 E -2	2.0836865370 E -1	-5.8572482237 E -1	9.319961949 E -1	3.7142692508 E -1
8.00	-7.5865249828 E -2	2.3714084351 E -1	-6.2225159441 E -1	9.1495527162 E -1	3.9574194689 E -1
8.25	-9.1487440783 E -2	2.6875643042 E -1	-6.5927668290 E -1	8.9577426652 E -1	4.2067583619 E -1
8.50	-1.096635745 E -1	3.033761306 E -1	-6.9467266076 E -1	8.7432015914 E -1	4.4620358884 E -1
8.75	-1.3068570415 E -1	3.4116019236 E -1	-7.3434264308 E -1	8.5246039782 E -1	4.7229089191 E -1
9.00	-1.5488467402 E -1	3.822688896 E -1	-7.7203008126 E -1	8.2406241345 E -1	4.9892612506 E -1
9.25	-1.8259798503 E -1	4.2686191754 E -1	-8.0973468840 E -1	7.9499252892 E -1	5.269262892 E -1
9.50	-2.1418642727 E -1	4.7510324747 E -1	-8.4718102104 E -1	7.6311428053 E -1	5.5378613903 E -1
9.75	-2.50033239252 E -1	5.2716122006 E -1	-8.843130376 E -1	7.2828446176 E -1	5.8201422530 E -1
10.00	-2.9054280793 E -1	5.8321446774 E -1	-9.2095816421 E -1	6.9034891086 E -1	6.1079851549 E -1

TABLE 61e - Omine Coefficients  $d_{18}$

C	r=11	r=13	r=15	r=17	r=19
0.25	6.2133171027 E -8	6.5034823639 E -12	4.7474032597 E -16	2.5879728683 E -20	1.1015915877 E -24
0.50	9.9447958390 E -7	4.1637101785 E -10	1.21577224610 E -13	2.6510456112 E -17	4.5137670894 E -21
0.75	5.374920884 E -6	4.7455385432 E -9	3.1177609936 E -12	1.5296517545 E -15	5.8600174918 E -19
1.00	1.5933939825 E -5	2.6685669537 E -8	3.1168616728 E -11	2.7186188882 E -14	1.6515481223 E -17
1.25	3.8941838751 E -5	1.01906225127 E -7	1.8598033359 E -10	2.5346790988 E -13	2.6973279138 E -16
1.50	8.0852373457 E -5	3.0468641842 E -7	8.0073945019 E -10	1.5715086249 E -12	2.4082168169 E -15
1.75	1.5001263225 E -4	7.6948544279 E -7	2.7526118389 E -9	7.3531535031 E -12	1.5337459998 E -14
2.00	2.5635293104 E -4	1.7175921123 E -6	8.025802231 E -9	2.8002108470 E -11	7.6289388143 E -14
2.25	4.1141845881 E -4	3.4890247868 E -6	2.0633697204 E -8	9.11220108470 E -11	3.1420592837 E -13
2.50	6.284494007 E -4	6.5798860129 E -6	4.8043549740 E -8	2.6194927672 E -10	1.1151643321 E -12
2.75	9.2219777899 E -4	1.1685406601 E -5	1.0324816640 E -7	6.8120191339 E -10	3.50915555711 E -12
3.00	1.3094157291 E -3	1.9748964576 E -5	2.0768506104 E -7	1.6308280477 E -9	9.9985360296 E -12
3.25	1.8084545239 E -3	3.2017345228 E -5	3.9520856522 E -7	3.6424453734 E -9	2.6210496816 E -11
3.50	2.4395371117 E -3	5.0102660767 E -5	7.1736348447 E -7	7.6687279224 E -9	6.4004552843 E -11
3.75	3.2247631696 E -3	7.6051253386 E -5	1.2502399492 E -6	1.5344810617 E -8	1.4703427858 E -10
4.00	4.1881618332 E -3	1.1242007009 E -4	2.1032277709 E -6	2.9375180525 E -8	3.2039208714 E -10
4.25	5.3557460794 E -3	1.6236100447 E -4	3.4300314899 E -6	5.4091777374 E -8	6.650928029 E -10
4.50	6.7555689596 E -3	2.2971379384 E -4	5.4423558840 E -6	9.241461106 E -8	1.3285065268 E -9
4.75	8.417819119 E -3	3.1910815579 E -4	8.426727445 E -6	1.6607601740 E -7	2.5547741692 E -9
5.00	1.0374695717 E -2	4.3607597385 E -4	1.2764981800 E -5	2.78835955324 E -7	4.7536092907 E -9
5.25	1.2667845142 E -2	5.8717450767 E -4	1.8959024199 E -5	4.567109976 E -7	8.5871747479 E -9
5.50	1.5313058965 E -2	7.801218233 E -4	2.7660559638 E -5	7.3162727855 E -7	1.5100834405 E -8
5.75	1.837538013 E -2	1.0239459367 E -3	3.9706604234 E -5	1.1484000277 E -6	2.5915262071 E -8
6.00	2.1874945098 E -2	1.3291495677 E -3	5.6161720112 E -5	1.7695149895 E -6	4.3495374597 E -8
6.25	2.5870512426 E -2	1.7078929536 E -3	7.8368102279 E -5	2.6807418692 E -6	7.1528847181 E -8
6.50	3.0404174376 E -2	2.174197249 E -3	1.0800485512 E -4	3.9985273942 E -6	1.1545025384 E -7
6.75	3.5525736559 E -2	2.744174810 E -3	1.4715809864 E -4	5.6793458974 E -6	1.8315994370 E -7
7.00	4.1286096000 E -2	3.4362965016 E -3	1.9840392321 E -4	8.5315188463 E -6	2.8600138489 E -7
7.25	4.7747532332 E -2	4.2716711511 E -3	2.6490672567 E -4	1.2230103558 E -5	4.4007999196 E -7
7.50	5.4964096090 E -2	5.2744169062 E -3	3.5055614637 E -4	1.7335605895 E -5	6.6803160053 E -7
7.75	6.3002127769 E -2	6.4720590438 E -3	4.600675064 E -4	2.4317474918 E -5	1.0013820852 E -6
8.00	7.1930949997 E -2	7.8960226563 E -3	5.9904503820 E -4	3.3783607277 E -5	1.4836836288 E -6
8.25	8.1825784907 E -2	9.582261892 E -3	7.745942072 E -4	4.6517449843 E -5	2.1746724215 E -6
8.50	9.2768958829 E -2	1.1571808270 E -2	9.9506460172 E -4	6.3524773260 E -5	3.1557723703 E -6
8.75	1.0485146599 E -1	1.3912026520 E -2	1.2706234666 E -3	8.6092839533 E -5	4.5373778373 E -6
9.00	1.1817497076 E -1	1.6657376719 E -2	1.6135893029 E -3	1.1586655809 E -4	6.4684962190 E -6
9.25	1.3285433249 E -1	1.9870992002 E -2	2.0388906910 E -3	1.5493938637 E -4	9.1495329549 E -6
9.50	1.490273725 E -1	2.3626394241 E -2	2.5646569215 E -3	2.059862788 E -4	1.284927687 E -5
9.75	1.6682551477 E -1	2.8009683223 E -2	3.2129394810 E -3	2.7241191762 E -4	1.7927518736 E -5
10.00	1.8644470764 E -1	3.312263410 E -2	4.0167492231 E -3	3.5856038779 E -4	2.4865243325 E -5

TABLE 61b - Oblate Coefficients  $d_1^2$

C	r=21	r=23	r=25	r=27	r=29
0.25	3.7792721314 E-29	7.0167552034 E-29	9.8862443433 E-30	5.7118361446 E-31	1.2056519196 E-30
0.50	6.1942334194 E-25	4.6117146465 E-26	1.7551159220 E-27	4.9598091103 E-29	3.5873126975 E-29
0.75	1.8093867250 E-22	4.652982447 E-24	9.7537811792 E-26	1.9041045953 E-27	6.7830844811 E-28
1.00	1.163593929 E-19	1.6379574361 E-21	2.6003611854 E-24	4.1623776431 E-26	9.0727324336 E-27
1.50	2.9743920222 E-18	3.0324779497 E-21	4.1762574247 E-23	6.0257579405 E-25	9.2359579291 E-26
1.75	2.5784315395 E-17	3.5781087578 E-20	4.6288067257 E-22	6.3681397708 E-24	
2.00	1.6751663249 E-16	3.036310233 E-19	3.8650861549 E-21	5.2509167439 E-23	
2.25	8.7321890451 E-16	2.033206267 E-18	2.5814263846 E-20		
2.50	3.8262654692 E-15	1.0875812744 E-17			
2.75	1.4569336515 E-14	4.9930307555 E-17	1.4391904460 E-19	3.5423220755 E-22	7.5392414957 E-25
3.00	4.9404878163 E-14	2.0150550678 E-16	6.9124325199 E-19	2.02448303105 E-21	5.1287866573 E-24
3.25	1.520441168 E-13	7.263959161 E-16	2.9293444264 E-18	1.0071522857 E-20	2.9940328975 E-23
3.50	4.551598951 E-13	2.3902396277 E-15	1.1161261516 E-17	4.4503425633 E-20	1.5343967677 E-22
3.75	1.1354213463 E-12	7.2470687199 E-15	3.8795671603 E-17	1.7758595183 E-19	7.0290279240 E-22
4.00	2.8145748247 E-12	2.0411598887 E-14	1.2450345359 E-16	6.4846403378 E-19	2.9204465444 E-21
4.25	6.6062577298 E-12	5.4933622886 E-14	3.7251111770 E-16	2.1904227676 E-18	1.1137068299 E-20
4.50	1.4777671760 E-11	1.3567117804 E-13	1.0475239789 E-15	6.9060552749 E-18	3.9368228591 E-20
4.75	3.1667991588 E-11	3.2397771285 E-13	2.7873753212 E-15	2.0476639375 E-17	1.3006679878 E-19
5.00	6.5301398688 E-11	7.4335811636 E-13	7.0586714131 E-15	5.7461800167 E-17	4.0445854628 E-19
5.25	1.3007892480 E-10	1.6261428639 E-12	1.7095174980 E-14	1.5544561503 E-16	1.1908773688 E-18
5.50	2.511781720 E-10	3.4458419879 E-12	3.9763055952 E-14	3.9175946931 E-16	3.3372127103 E-18
5.75	4.7112277330 E-10	7.067517246 E-12	8.9152268253 E-14	9.6015737837 E-16	8.9406120578 E-18
6.00	8.6121487249 E-10	1.4370481839 E-11	1.9329568106 E-13	2.2670766556 E-15	2.2988727698 E-17
6.25	1.5372548932 E-9	2.7359097116 E-11	4.0641777717 E-13	5.1730842531 E-15	5.6927269103 E-17
6.50	2.6846137533 E-9	3.1503660237 E-11	8.3074447978 E-13	1.1439210582 E-14	1.3617742543 E-16
6.75	4.5948588679 E-9	9.5928282851 E-11	1.6545176916 E-12	2.4573977091 E-14	3.1553362459 E-16
7.00	7.7195526169 E-9	1.7187420913 E-10	3.2169845391 E-12	5.1398075013 E-14	7.0989636273 E-16
7.25	1.2748256292 E-8	3.0459352701 E-10	6.1175697344 E-12	1.0487539475 E-13	1.5541781207 E-15
7.50	2.172538752 E-8	5.3503818076 E-10	1.1396380556 E-11	2.091401671 E-13	3.3175756924 E-15
7.75	3.3185469287 E-8	9.0686865337 E-10	2.082841288 E-11	4.0827258913 E-13	6.9172825182 E-15
8.00	5.2427112111 E-8	1.5274236951 E-9	3.7396948728 E-11	7.8138240809 E-13	1.4111035324 E-14
8.25	8.1781462900 E-8	2.3353598447 E-9	6.6046670403 E-11	1.468178656 E-12	2.8206422550 E-14
8.50	1.2607982501 E-7	4.1518116264 E-9	1.1488965519 E-10	2.7117644749 E-12	5.5323673502 E-14
8.75	1.9226687926 E-7	6.71339450146 E-9	1.9693680284 E-10	4.9294897292 E-12	1.0661392612 E-13
9.00	2.902616798 E-7	1.0731484627 E-8	3.326620716 E-10	8.8290830387 E-12	2.0210946236 E-13
9.25	4.3414352801 E-7	1.6969259032 E-8	5.5703871982 E-10	1.5597388416 E-11	3.7733574631 E-13
9.50	6.4382316907 E-7	2.656736958 E-8	9.2035914791 E-10	2.7204820216 E-11	6.9455917063 E-13
9.75	9.4732578601 E-7	4.1215740823 E-8	1.5054640912 E-9	4.6893369065 E-11	1.2617639473 E-12
10.00	1.3839891327 E-6	6.34726824 E-8	2.4384015011 E-9	7.9954591239 E-11	2.2644372774 E-12



TABLE 62 - Oblate Coefficients  $d_{l,1}^1$

C	$r = 0$	$r = 2$	$r = 4$	$r = 6$	$r = 8$
0.25	9.609812042 E-15	-3.720261271 E-11	1.5321166229 E-7	-5.1216008787 E-4	9.9991376303 E-1
0.50	2.3207305349 E-12	-2.3606150455 E-9	2.4508202227 E-6	-2.0481376219 E-3	9.9965297515 E-1
0.75	5.9525495532 E-11	-2.7159940245 E-8	1.202892975 E-5	-4.604066695 E-3	9.9921140969 E-1
1.00	5.9524861718 E-10	-1.5224870714 E-7	3.9178923147 E-5	-8.1833649179 E-3	9.9857870321 E-1
1.25	3.553 326558 E-9	-5.85484758 E-7	9.5526842233 E-5	-1.2778245238 E-2	9.9774037756 E-1
1.50	1.5303912551 E-8	-1.726096371 E-6	1.9804151901 E-4	-1.85299228 E-2	9.966787160 E-1
1.75	5.2633169494 E-8	-4.3659080807 E-6	3.6659190770 E-4	-2.499214527 E-2	9.9536858577 E-1
2.00	1.5353362773 E-7	-9.7198760785 E-6	6.2851469980 E-4	-3.2597442378 E-2	9.9378592644 E-1
2.25	3.9496033201 E-7	-1.968551522 E-5	9.984218122 E-4	-4.1189002989 E-2	9.918939380 E-1
2.50	9.2015228949 E-7	-3.6999309112 E-5	1.5200715695 E-3	-5.0754662803 E-2	9.8967464476 E-1
2.75	1.9786027928 E-6	-6.5460070153 E-5	2.2214027274 E-3	-6.1279888893 E-2	9.8707360301 E-1
3.00	3.9822609053 E-6	-1.1516729978 E-4	3.1395307876 E-3	-7.2747420491 E-2	9.8405457627 E-1
3.25	7.5820716411 E-6	-1.7777923297 E-4	4.3139798901 E-3	-8.5136922349 E-2	9.8057239735 E-1
3.50	1.3769506805 E-5	-2.767882929 E-4	5.7873039214 E-3	-9.8424611878 E-2	9.7657858930 E-1
3.75	2.4008301158 E-5	-4.1781118351 E-4	7.6033498710 E-3	-1.1258286236 E-1	9.7202154774 E-1
4.00	4.1402169156 E-5	-6.1389028446 E-4	9.8097979185 E-3	-1.2757978490 E-1	9.6684681314 E-1
4.25	6.5904845562 E-5	-8.898023921 E-4	1.2855742309 E-2	-1.4337879221 E-1	9.6099722604 E-1
4.50	1.457932858 E-4	-1.2373701734 E-3	1.5591001475 E-2	-1.593814779 E-1	9.5441331853 E-1
4.75	1.6191370901 E-4	-1.705770976 E-3	1.9267196718 E-2	-1.772105047 E-1	9.4703359504 E-1
5.00	2.4521440780 E-4	-2.3118368722 E-3	2.3536350129 E-2	-1.9514243704 E-1	9.3879491561 E-1
5.25	3.6399399352 E-4	-3.0853390264 E-3	2.8450503424 E-2	-2.1367373793 E-1	9.2963291503 E-1
5.50	5.3063497571 E-4	-4.0632486669 E-3	3.4061084142 E-2	-2.3273813380 E-1	9.1948247051 E-1
5.75	7.6388302909 E-4	-5.2749661442 E-3	4.0418196060 E-2	-2.5226047329 E-1	9.0827822117 E-1
6.00	1.1746329499 E-3	-6.7725047804 E-3	4.7549829921 E-2	-2.7215865297 E-1	8.9595514165 E-1
6.25	1.4967422234 E-3	-8.603647477 E-3	5.560991131 E-2	-2.9234222902 E-1	8.8244917237 E-1
6.50	2.0579703207 E-3	-1.0811981379 E-2	6.4432741880 E-2	-3.1271127885 E-1	8.6769790840 E-1
6.75	2.790366727 E-3	-1.3683939312 E-2	7.4221156076 E-2	-3.3335806948 E-1	8.5164134832 E-1
7.00	3.7568015791 E-3	-1.6618696204 E-2	8.4956186629 E-2	-3.5356477804 E-1	8.3422270450 E-1
7.25	4.9955719920 E-3	-2.0342992339 E-2	9.6640445938 E-2	-3.7330427430 E-1	8.1538927542 E-1
7.50	6.5785310054 E-3	-2.4707842954 E-2	1.0934790194 E-1	-3.933977575 E-1	7.9509338075 E-1
7.75	8.5842857671 E-3	-2.978812545 E-2	1.2302249378 E-1	-4.132478645 E-1	7.7329336009 E-1
8.00	1.1105523128 E-2	-3.562031155 E-2	1.3767667297 E-1	-4.3210313180 E-1	7.4995463662 E-1
8.25	1.425755224 E-2	-4.2410368098 E-2	1.5328987814 E-1	-4.502910301 E-1	7.25084861 E-1
8.50	1.8146127735 E-2	-5.0115700364 E-2	1.6982695359 E-1	-4.6736772731 E-1	6.9856505367 E-1
8.75	2.2937250935 E-2	-5.860130804 E-2	1.8723652510 E-1	-4.8339518458 E-1	6.7049101427 E-1
9.00	2.8790996453 E-2	-6.829949188 E-2	2.0544935011 E-1	-4.9809939736 E-1	6.4083457742 E-1
9.25	3.5897179220 E-2	-7.9802401301 E-2	2.2437666507 E-1	-5.1128083254 E-1	6.0961516734 E-1
9.50	4.4470011672 E-2	-9.2355753967 E-2	2.4390856171 E-1	-5.223356914 E-1	5.7686741588 E-1
9.75	5.4749172718 E-2	-1.058614168 E-1	2.6391243765 E-1	-5.324671100 E-1	5.4264296071 E-1
10.00	6.7000272971 E-2	-1.2.98279756 E-1	2.8423158948 E-1	-5.3960625707 E-1	5.0701244327 E-1

TABLE 62a - Oblate Coefficients  $d_{1,9}$

C	r=13	r=12	r=14	r=16	r=18
0.25	3.3563233657 E -4	5.23434094824 E -8	5.0694586657 E -12	3.4413103121 E -16	1.7524991541 E -20
0.50	1.3421891386 E -3	8.3728772601 E -7	3.2436584618 E -10	8.0376195746 E -14	1.7941281751 E -17
0.75	3.186401408 E -3	4.237004310 E -6	3.6932155671 E -9	2.2563826490 E -12	1.0341698721 E -15
1.00	5.3632361233 E -3	1.3383162935 E -5	2.0738939947 E -8	2.2525554367 E -11	1.8354168219 E -14
1.25	8.3734608503 E -3	3.2648828795 E -5	7.9055717753 E -8	1.34164 6430 E -10	1.7081233788 E -13
1.50	1.2045963996 E -2	6.7636763544 E -5	2.3583591953 E -7	5.7635935064 E -10	1.0560815770 E -12
1.75	1.6376475284 E -2	1.2516377589 E -4	5.9403675580 E -7	1.9760589333 E -9	4.9311862334 E -12
2.00	2.1359700124 E -2	2.1324066912 E -4	1.3219274941 E -6	5.7436900114 E -9	1.8721294152 E -11
2.25	2.6989197132 E -2	3.4104723575 E -4	2.6759782708 E -6	1.4715937447 E -8	6.0708594227 E -11
2.50	3.3257237993 E -2	5.1890165457 E -4	5.0269120776 E -6	3.4130567455 E -8	1.7383471604 E -10
2.75	4.0154650240 E -2	7.5822355337 E -4	8.8887662782 E -6	7.3029258283 E -8	4.5008565173 E -10
3.00	4.767 643618 E -2	1.0714899112 E -3	1.4950758446 E -5	1.4619434041 E -7	1.0723356656 E -9
3.25	5.5792620855 E -2	1.4721828893 E -3	2.14111712861 E -5	2.76734 9553 E -7	2.3624155257 E -9
3.50	6.4505973775 E -2	1.9747285979 E -3	3.7516758126 E -5	4.9943829178 E -7	4.9870424897 E -9
3.75	7.3793865862 E -2	2.5944257312 E -3	5.6595954489 E -5	8.6503137162 E -7	9.9166296242 E -9
4.00	8.3637002542 E -2	3.347362303 E -3	8.3104451108 E -5	1.4454335649 E -6	1.8855886271 E -8
4.25	9.4013390645 E -2	4.2503236697 E -3	1.1916370801 E -4	2.3403013064 E -6	3.4469521872 E -8
4.50	1. 489808869 E -1	5.3206774044 E -3	1.6730324442 E -4	3.6845559966 E -6	6.0851246620 E -8
4.75	1.1626294986 E -1	6.576255659 E -3	2.3050229371 E -4	5.6577245878 E -6	1.0412957857 E -7
5.00	1.2807635975 E -1	8.0352116983 E -3	3.1223065476 E -4	8.4945058537 E -6	1.7326964721 E -7
5.25	1.403 297113 E -1	9.7158623694 E -3	4.1648792946 E -4	1.2497081929 E -5	2.8111612765 E -7
5.50	1.5290343835 E -1	1.1636510675 E -2	5.4784022453 E -4	1.8049115011 E -5	4.4572851252 E -7
5.75	1.6583415392 E -1	1.3815247594 E -2	7.1145327300 E -4	2.56315 3105 E -5	6.9206595045 E -7
6.00	1.7904699037 E -1	1.6269731624 E -2	9.1312079265 E -4	3.5839915343 E -5	1.0540846214 E -6
6.25	1.9248905 22 E -1	1.901694479 E -2	1.1592867453 E -3	4.9404085398 E -5	1.5773157834 E -6
6.50	2.061 242738 E -1	2.2072921295 E -2	1.4570599878 E -3	6.7208789392 E -5	2.3219968346 E -6
6.75	2.1982398313 E -1	2.5452453629 E -2	1.8142196366 E -3	9.031637 447 E -5	3.3668305189 E -6
7.00	2.3358513992 E -1	2.916876338 E -2	2.2392090345 E -3	1.1999059344 E -4	4.8134481392 E -6
7.25	2.4731169622 E -1	3.323314563 E -2	2.7411165430 E -3	1.5772151737 E -4	6.7916505812 E -6
7.50	2.60922366581 E -1	3.7654578175 E -2	3.3296402410 E -3	2.0525095725 E -4	9.4654950842 E -6
7.75	2.7433514481 E -1	4.2439295287 E -2	4.0150336733 E -3	2.6459795993 E -4	1.3040284803 E -5
8.00	2.8745421 71 E -1	4.7590323029 E -2	4.800298546 E -3	3.3878355642 E -4	1.7770500714 E -5
8.25	3.018285850 E -1	5.3106973321 E -2	5.7197390339 E -3	4.2835383167 E -4	2.3968689438 E -5
8.50	3.1241698019 E -1	5.8984294129 E -2	6.7615172300 E -3	5.3840011551 E -4	3.2015283800 E -5
8.75	3.2404649311 E -1	6.5212473829 E -2	7.944799660 E -3	6.7157480394 E -4	4.2369283058 E -5
9.00	3.3495499815 E -1	7.1761979593 E -2	9.2806916019 E -3	8.3160099635 E -4	5.5579654323 E -5
9.25	3.4502089349 E -1	7.8653973168 E -2	1.0780723010 E -2	1.0225734579 E -3	7.2297234579 E -5
9.50	3.5411683403 E -1	8.5817393823 E -2	1.2445441921 E -2	1.24895 7882 E -3	9.3286815236 E -5
9.75	3.6211 75534 E -1	9.3230429192 E -2	1.4311564579 E -2	1.5155290975 E -3	1.1943698519 E -4
10.00	3.6886667127 E -1	1.0 84871226 E -1	1.6359570745 E -2	1.82740665644 E -3	1.5178121167 E -4

TABLE 62b - Oblate Coefficients  $d_1^{19}$

C	r=2:	r=22	r=24	r=26	r=28
0.25	6.9972964979 E-25	2.2601097731 E-29	3.9613610662 E-29	5.2826369362 E-30	2.8953572001 E-31
0.50	2.8654094656 E-21	3.7020866895 E-25	2.6009612106 E-26	9.3650517151 E-28	2.5095400382 E-28
0.75	3.7162848864 E-19	1.0803293338 E-22	2.5936621761 E-24	5.1949825231 E-26	9.6127945536 E-28
1.00	1.1725500839 E-17	6.0597423603 E-21	9.2080263146 E-23	1.3818841644 E-24	2.0957737157 E-26
1.50	1.7050722610 E-16	1.376823479 E-19	1.7009409747 E-21	2.2134520527 E-23	3.02464009510 E-25
1.75	1.5189346401 E-15	1.7662070603 E-18	2.0016232644 E-20	2.4457508575 E-22	3.1852686726 E-24
2.00	9.6479918116 E-15	1.5270248449 E-17	1.6933439265 E-19	2.0350497336 E-21	2.6160657338 E-23
2.25	4.7842361097 E-14	5.137513032 E-16	1.1132630227 E-18	1.3538081625 E-20	
2.50	1.9635475311 E-13	2.2422284984 E-15	5.9987176187 E-18		
2.75	6.9415230449 E-13				
3.00	2.1747728015 E-12	8.5005538023 E-15	2.7517557860 E-17	7.514534510 E-20	1.7570565186 E-22
3.25	6.1665931800 E-12	2.8686030586 E-14	1.1051523961 E-16	3.5917114152 E-19	9.9947169085 E-22
3.50	1.6079745452 E-11	8.7790292551 E-14	3.9695103516 E-16	1.5140921634 E-18	4.9448809666 E-21
3.75	3.9039283482 E-11	2.4720669415 E-13	1.2963955760 E-15	5.7350438719 E-18	2.1723100905 E-20
4.00	8.9121522834 E-11	6.4787825797 E-13	3.9004802302 E-15	1.9808928668 E-17	8.6136460583 E-20
4.25	1.9287462088 E-10	1.5950032451 E-12	1.0926183162 E-14	6.3137771875 E-17	3.1238479595 E-19
4.50	3.9797462088 E-10	3.7166240298 E-12	2.8743692306 E-14	1.8751896278 E-16	1.0474271723 E-18
4.75	7.8775349091 E-10	8.2484869066 E-12	7.1523606584 E-14	5.2315115056 E-16	3.2762456384 E-18
5.00	1.5021795019 E-9	1.7527345259 E-11	1.6935300784 E-13	1.3802719914 E-15	9.6317218930 E-18
5.25	2.7701663740 E-9	3.5817923195 E-11	3.8350891280 E-13	3.4636816010 E-15	2.6783090108 E-17
5.50	4.9559015940 E-9	7.0659483946 E-11	8.3421170720 E-13	8.3073056592 E-15	7.0826744576 E-17
5.75	8.6260202119 E-9	1.3500177676 E-10	1.7494903952 E-12	1.9122779167 E-14	1.7895163632 E-16
6.00	1.4642235613 E-8	2.501358003 E-10	3.5487971651 E-12	4.2401991194 E-14	4.3373801160 E-16
6.25	2.4289222866 E-8	4.5259779000 E-10	6.9824113222 E-12	9.0853107027 E-14	1.0120455083 E-15
6.50	3.9451767594 E-8	7.9784387991 E-10	1.3358395105 E-11	1.8863246146 E-13	2.2803049244 E-15
6.75	6.2839509751 E-8	1.3749015631 E-9	2.4904100098 E-11	3.8043314524 E-13	4.9749338524 E-15
7.00	9.8298840858 E-8	2.3200796094 E-9	4.5337488866 E-11	7.4690720476 E-13	1.0534884331 E-14
7.25	1.5121532909 E-7	3.8393726363 E-9	8.0696721846 E-11	1.4302713680 E-12	2.169959494 E-14
7.50	2.2897220103 E-7	6.2391081333 E-9	1.4071187451 E-10	2.6759727197 E-12	4.3559751549 E-14
7.75	3.4169387957 E-7	9.9679971112 E-9	2.40666305917 E-10	4.8992186518 E-12	8.5364465331 E-14
8.00	5.029523791 E-7	1.5674073809 E-8	4.0422785796 E-10	8.7893510049 E-12	1.6356800349 E-13
8.25	7.3081539054 E-7	2.4280828291 E-8	6.6751748977 E-10	1.5470892028 E-11	3.0687031369 E-13
8.50	1.0490612395 E-6	3.7087769715 E-8	1.0848095287 E-9	2.6748164516 E-11	5.6440989739 E-13
8.75	1.4886595627 E-6	5.5901697071 E-8	1.7365694058 E-9	4.5471322311 E-11	1.0188592421 E-12
9.00	2.0895466989 E-6	8.3206074126 E-8	2.7405323302 E-9	7.6076411810 E-11	1.8070261384 E-12
9.25	2.9027252622 E-6	1.2237706391 E-7	4.2668250105 E-9	1.2537118908 E-10	3.1517749506 E-12
9.50	3.9927171611 E-6	1.7795591229 E-7	6.5583518208 E-9	2.0366375664 E-10	5.4107740909 E-12
9.75	5.4403908901 E-6	2.5598839724 E-7	9.957933396 E-9	3.2636232326 E-10	9.1499054133 E-12
10.00	7.3461733499 E-6	3.6444289302 E-7	1.4944165304 E-8	5.1621873201 E-10	1.5252331120 E-11
	9.8336429633 E-6	5.1371918123 E-7	2.2177761519 E-8	8.0642385272 E-10	2.5078441484 E-11

TABLE 63 - Oblate Coefficients  $d_1^{1,10}$

C	r = 1	r = 3	r = 5	r = 7	r = 9
0.25	4.5795640165 E -15	-2.430326211 E -11	1.1768325228 E -7	-4.5347043036 E -4	1.0000723672 E 0
0.50	1.1728345346 E -12	-1.5366314206 E -9	1.8833867969 E -6	-1.8142958950 E -3	1.0002879701 E 0
0.75	3.078539990 E -10	-1.7511197405 E -8	9.5384680808 E -6	-4.0836789700 E -3	1.0006423089 E 0
1.00	3.0072127835 E -10	-9.8452139601 E -8	3.0163085435 E -5	-7.2636507584 E -3	1.0011278742 E 0
1.25	1.7945541212 E -10	-3.7587144473 E -7	7.3692723907 E -5	-1.1356871058 E -2	1.0017341325 E 0
1.50	7.7273191330 E -10	-1.1234575816 E -6	1.5294068650 E -4	-1.6366783207 E -2	1.0024475056 E 0
1.75	2.6566431538 E -8	-2.8362291918 E -6	2.8362592767 E -4	-2.2297318746 E -2	1.0032513462 E 0
2.00	7.7464710306 E -8	-6.3280354199 E -6	4.8440353679 E -4	-2.9152886277 E -2	1.0041259077 E 0
2.25	1.9918706458 E -7	-1.2847823988 E -5	7.7690970158 E -4	-3.6938219428 E -2	1.0050483113 E 0
2.50	4.6382756854 E -7	-2.4215144596 E -5	1.1857814645 E -3	-4.5658223505 E -2	1.0059925095 E 0
2.75	9.9684606824 E -7	-4.2975336581 E -5	1.7387139597 E -3	-5.5317800475 E -2	1.0069292469 E 0
3.00	2.0251964259 E -6	-7.2575263716 E -5	2.4664894275 E -3	-6.5921651899 E -2	1.0078260216 E 0
3.25	3.8155724854 E -6	-1.1755905304 E -4	3.4030146485 E -3	-7.7474051434 E -2	1.0086470445 E 0
3.50	6.9250618974 E -6	-1.8786666657 E -4	4.5853519573 E -3	-8.9978042549 E -2	1.0093532017 E 0
3.75	1.2066770322 E -5	-2.7866978106 E -4	6.0537434419 E -3	-1.0343809313 E -1	1.0099020188 E 0
4.00	2.0293256531 E -5	-4.1143897336 E -4	7.8516258885 E -3	-1.1785388670 E -1	1.0102476295 E 0
4.25	3.3087898792 E -5	-5.342109459 E -4	1.0025633831 E -2	-1.3322597008 E -1	1.0103407511 E 0
4.50	5.2458589671 E -5	-8.3834797977 E -4	1.2625587854 E -2	-1.4955242538 E -1	1.0101286665 E 0
4.75	8.1164423682 E -5	-1.1626838083 E -3	1.5704465096 E -2	-1.6682911042 E -1	1.0095552172 E 0
5.00	1.2283429213 E -4	-1.5859750185 E -3	1.9318348725 E -2	-1.8504927571 E -1	1.0085608080 E 0
5.25	1.8222652263 E -4	-2.1312216223 E -3	2.326352951 E -2	-2.0420315851 E -1	1.0070824251 E 0
5.50	2.6548688555 E -4	-2.82522690676 E -3	2.8390520012 E -2	-2.2427755445 E -1	1.0050536715 E 0
5.75	3.8245842131 E -4	-3.6992194559 E -3	3.3975685402 E -2	-2.4525336783 E -1	1.0024048211 E 0
6.00	5.5704561581 E -4	-4.7888605095 E -3	4.0349307514 E -2	-2.6711514154 E -1	9.9906289435 E -1
6.25	7.4760238152 E -4	-6.1351102551 E -3	4.7581257793 E -2	-2.8983056855 E -1	9.9495175740 E -1
6.50	1.0274533598 E -3	-7.7844748626 E -3	5.5735567458 E -2	-3.1336998663 E -1	9.8999224927 E -1
6.75	1.3953773634 E -3	-9.7895165125 E -3	6.4910126875 E -2	-3.3769585911 E -1	9.8410233774 E -1
7.00	1.8742320367 E -3	-1.2209327525 E -2	7.5156333748 E -2	-3.6276424447 E -1	9.7719730813 E -1
7.25	2.4916175171 E -3	-1.5110006273 E -2	8.6558686469 E -2	-3.8852425873 E -1	9.6918998737 E -1
7.50	3.2806165295 E -3	-1.8565129596 E -2	9.9194319227 E -2	-4.149173499 E -1	9.5999100625 E -1
7.75	4.2806070623 E -3	-2.2656215590 E -2	1.1314047586 E -1	-4.4187768537 E -1	9.4950910256 E -1
8.00	5.5381474560 E -3	-2.7473169673 E -2	1.2847392004 E -1	-4.6932977200 E -1	9.3765146777 E -1
8.25	7.1079320293 E -3	-3.3114735823 E -2	1.4527027996 E -1	-4.9718979433 E -1	9.2432413945 E -1
8.50	9.538133115 E -3	-3.9688733812 E -2	1.6300332698 E -1	-5.2536420194 E -1	9.0943244125 E -1
8.75	1.1449884504 E -2	-4.7312702199 E -2	1.8354418880 E -1	-5.5374944339 E -1	8.9286147157 E -1
9.00	1.4381612969 E -2	-5.6113885805 E -2	2.0516349965 E -1	-5.8223156358 E -1	8.745764070 E -1
9.25	1.7947012541 E -2	-6.6229605601 E -2	2.2851549238 E -1	-6.1068586118 E -1	8.544225443 E -1
9.50	2.2257837431 E -2	-7.7807368459 E -2	2.5366704053 E -1	-6.3897664384 E -1	8.323215973 E -1
9.75	2.7440782495 E -2	-9.1004914437 E -2	2.8066666272 E -1	-6.6695713723 E -1	8.0821030382 E -1
10.00	3.3638660150 E -2	-1.0599016056 E -1	3.0955850670 E -1	-6.9446897374 E -1	7.8197161302 E -1

TABLE 63c - Oblate Coefficients  $d_{l,10}$

C	r=11	r=13	r=15	r=17	r=19
0.25	3.0945663640 E -4	4.469933890 E -8	4.0283394082 E -12	2.5556729937 E -16	1.2211910332 E -20
0.50	1.2380999475 E -3	7.1534986386 E -7	2.5787222098 E -10	6.5440205123 E -14	1.250787918 E -17
0.75	2.7867446921 E -3	3.6228090636 E -6	2.9384351606 E -9	1.6778004718 E -12	7.21544448467 E -16
1.00	4.9567306300 E -3	1.455818467 E -5	1.6518768263 E -8	1.6768022686 E -11	1.2819883956 E -14
1.25	7.7498952116 E -3	2.7986899272 E -5	6.3056742993 E -8	1.000136943 E -10	1.1947708832 E -13
1.50	1.1168535237 E -2	5.8680460199 E -5	1.8844164192 E -7	4.3040039636 E -10	7.4039644025 E -13
1.75	1.5215357388 E -2	1.0770297131 E -4	4.7568050976 E -7	1.4786847229 E -9	3.4623129747 E -12
2.00	1.9893417495 E -2	1.893501534 E -4	1.060972016 E -6	4.3082973858 E -9	1.3176098575 E -11
2.25	2.5206048403 E -2	2.9498498573 E -4	2.1536475257 E -6	1.1068365895 E -8	4.2843024501 E -11
2.50	3.1156776273 E -2	4.5020415815 E -4	4.0581235779 E -6	2.5749350068 E -8	1.2305243630 E -10
2.75	3.7749225429 E -2	6.6010281946 E -4	7.2002291852 E -6	5.5283377041 E -8	3.1968298162 E -10
3.00	4.4987009488 E -2	9.3636709563 E -4	1.2156276214 E -5	1.1108448459 E -7	7.6449562107 E -10
3.25	5.2873614819 E -2	1.2918760777 E -3	1.9685778274 E -5	2.1113668527 E -7	1.7054287300 E -9
3.50	6.142266100 E -2	1.7407188032 E -3	3.0767703972 E -5	3.8275180017 E -7	3.5857978808 E -9
3.75	7.0605783036 E -2	2.298210609 E -3	4.6640396378 E -5	6.6613349461 E -7	7.1645947924 E -9
4.00	8.0456423950 E -2	2.9809083324 E -3	6.885268650 E -5	1.1188993184 E -6	1.3693766941 E -8
4.25	9.0965716145 E -2	3.8066238006 E -3	9.9823206175 E -5	1.8217288195 E -6	2.5172224098 E -8
4.50	1.0213427397 E -1	4.794435012 E -3	1.4022206175 E -4	2.8853230713 E -6	4.4703151685 E -8
4.75	1.1396160427 E -1	5.9646943862 E -3	1.9444053870 E -4	4.4588193508 E -6	7.6983914469 E -8
5.00	1.2644589926 E -1	7.3390334302 E -3	2.6519994130 E -4	6.7403043733 E -6	1.2896912102 E -7
5.25	1.3958381731 E -1	8.9433631547 E -3	3.5635254176 E -4	9.9884106088 E -6	2.1075229747 E -7
5.50	1.5337025172 E -1	1.0792869565 E -2	4.7240149841 E -4	1.4537363023 E -5	3.3672283424 E -7
5.75	1.6779808822 E -1	1.2922003557 E -2	6.1857417035 E -4	2.0813668369 E -5	5.2706539058 E -7
6.00	1.8285795178 E -1	1.5354464562 E -2	8.0090013461 E -4	2.9356026337 E -5	8.0968164478 E -7
6.25	1.9853794362 E -1	1.8118177346 E -2	1.0263940410 E -3	4.0838391972 E -5	1.2226289947 E -6
6.50	2.1482336975 E -1	2.1242261415 E -2	1.3028434584 E -3	5.6096632418 E -5	1.8171870026 E -6
6.75	2.3169646227 E -1	2.475992597 E -2	1.6389018926 E -3	7.6159199287 E -5	2.6616826894 E -6
7.00	2.4913609553 E -1	2.8693756527 E -2	2.0451872052 E -3	1.022828195 E -4	3.8462266802 E -6
7.25	2.6711749950 E -1	3.3084993975 E -2	2.5328857202 E -3	1.3598995857 E -4	5.4885388273 E -6
7.50	2.8561197185 E -1	3.7964138227 E -2	3.1147624068 E -3	1.7911992298 E -4	7.7410712683 E -6
7.75	3.0458659650 E -1	4.3365545202 E -2	3.8050776561 E -3	2.3387543990 E -4	1.0799671763 E -5
8.00	3.2400396598 E -1	4.9324417412 E -2	4.6197113628 E -3	3.0288272255 E -4	1.4914071071 E -5
8.25	3.4382191985 E -1	5.587623713 E -2	5.5765952846 E -3	3.8926544170 E -4	2.0400526679 E -5
8.50	3.6399330170 E -1	6.3059117670 E -2	6.6943550230 E -3	4.9670482168 E -4	2.7657013432 E -5
8.75	3.8446574383 E -1	7.0908858626 E -2	7.9954634716 E -3	6.2954076776 E -4	3.7181422242 E -5
9.00	4.0518148922 E -1	7.9463741202 E -2	9.504082684 E -3	7.9286121650 E -4	4.9593314763 E -5
9.25	4.2607726207 E -1	8.8762040996 E -2	1.1244376721 E -2	9.9261422616 E -4	6.565988902 E -5
9.50	4.4708420024 E -1	9.8842486932 E -2	1.3247162932 E -2	1.2357327565 E -3	8.6326954120 E -5
9.75	4.6812786494 E -1	1.0974427391 E -1	1.5543403507 E -2	1.530230626 E -3	1.1275586132 E -4
10.00	4.8912834426 E -1	1.2150713342 E -1	1.8167850428 E -2	1.8856164448 E -3	1.4636761259 E -4

TABLE 63b - Oblate Coefficients  $d_f^{1.10}$

C	r=21	r=23	r=25	r=27	r=29
3.25	4.5916164425 E-25	1.4011668106 E-29	2.3281705716 E-29	2.9520893018 E-30	1.3390332644 E-29
3.50	1.8811621607 E-21	2.2962065482 E-25	1.5298343957 E-26	5.2392043781 E-28	5.1380089691 E-28
3.75	2.4416827173 E-19	6.7059039208 E-23	1.5272208526 E-24	2.9120426966 E-26	1.1224833628 E-26
4.00	7.7123952187 E-18	3.7656171714 E-21	5.4296047626 E-23	7.7551911910 E-25	1.6238269633 E-25
4.25	1.1237837228 E-16	8.568290832 E-20	1.0047160007 E-21	1.2447493346 E-23	1.7146829241 E-24
4.50	1.0222071552 E-15	1.1121.3004 E-18	1.1847772474 E-20	1.3786535622 E-22	1.4125416035 E-23
4.75	6.3797701345 E-15	9.53868.7248 E-18	1.0046687584 E-19	1.150246.156 E-21	
5.00	3.1707898881 E-14	6.1927971398 E-17	6.6229183791 E-19	7.6751830374 E-21	
5.25	1.3248878.40 E-13	3.2253478576 E-16	3.5795418410 E-18		
5.50	4.6272870415 E-13	1.4122837144 E-15			
5.75	1.4545685766 E-12	5.371328528. E-15	1.6475617803 E-17	4.2745936362 E-20	9.5191456906 E-23
6.00	4.1398208189 E-12	1.8193563735 E-14	6.641471.448 E-17	2.0507010446 E-19	5.4348706808 E-22
6.25	1.838830344 E-11	5.5935823622 E-14	2.3951860825 E-16	8.6798263137 E-19	2.6997909235 E-21
6.50	2.6431753672 E-11	1.5812912598 E-13	7.8569246927 E-16	3.3022138481 E-18	1.1912511071 E-20
6.75	6.629592446 E-11	4.1638287791 E-13	2.375206325 E-15	1.1460249717 E-17	4.7463266652 E-20
7.00	1.3185692.96 E-10	1.0303696683 E-12	6.6877290344 E-15	3.6715131079 E-17	1.7300245236 E-19
7.25	2.7365191724 E-10	2.4142117505 E-12	1.7693577325 E-14	1.0964412617 E-16	5.8326570208 E-19
7.50	5.4488609584 E-10	5.389866626 E-12	4.4279272417 E-14	3.0769270091 E-16	1.8351184715 E-18
7.75	1.456356781 E-9	1.1524964580 E-11	1.05562525607 E-13	8.1691128942 E-16	5.4288225006 E-18
8.00	1.9412320886 E-9	2.3712174413 E-11	2.4052392188 E-13	2.0636765105 E-15	1.5196727570 E-17
8.25	3.4979201743 E-9	4.7108336464 E-11	5.2691608806 E-13	4.984682468. E-15	4.0471853865 E-17
8.50	6.13470262887 E-9	9.0687571894 E-11	1.1133857318 E-12	1.1560785246 E-14	1.0302490654 E-16
8.75	1.497439876 E-8	1.6963486816 E-10	2.2763496916 E-12	2.5838852573 E-14	2.5169541707 E-16
9.00	1.7563007331 E-8	3.0908195467 E-10	4.5171372110 E-12	5.5831074084 E-14	5.9222468658 E-16
9.25	2.8783803555 E-8	5.4975133561 E-10	8.7193051783 E-12	1.1695212407 E-13	1.3462414756 E-15
9.50	4.6285477370 E-8	9.5636956142 E-10	1.6409096871 E-11	2.3808954284 E-13	2.9646556009 E-15
9.75	7.3134432.54 E-8	1.6503154399 E-9	3.0165918151 E-11	4.72088.7240 E-13	6.3401020006 E-15
10.00	1.1369583430 E-7	2.725975764 E-9	5.4266413568 E-11	9.1349040833 E-13	1.3195648474 E-14
10.25	1.741810374 E-7	4.4792886924 E-9	9.5676157778 E-11	1.7279964406 E-13	2.678.677295 E-14
10.50	2.6207621554 E-7	7.24076.8201 E-9	1.6555494221 E-10	3.2005394129 E-12	5.3091867614 E-14
10.75	3.9183389266 E-7	1.1527312979 E-8	2.8151117355 E-10	5.8124962991 E-12	1.0297601910 E-13
11.00	5.7689417016 E-7	1.8091594283 E-8	4.7093666.55 E-10	1.0363863880 E-11	1.9568974650 E-13
11.25	8.3969934642 E-7	2.8017395115 E-8	7.588360844 E-10	3.146395578. E-11	3.6482988370 E-13
11.50	1.2091952389 E-6	4.2849338371 E-8	1.2601224948 E-9	3.1325298872 E-11	6.6806809434 E-13
11.75	1.7236519700 E-6	6.4767840372 E-8	2.0192578570 E-9	5.3211296275 E-11	1.2029117336 E-12
12.00	2.4344345401 E-6	9.6823538713 E-8	3.1950989390 E-9	8.9110760045 E-11	2.1318977430 E-12
12.25	3.4274922696 E-6	1.4324948191 E-8	4.9959102191 E-9	1.4224418744 E-10	3.7223927199 E-12
12.50	4.7297423028 E-6	2.0987462374 E-7	7.7247385231 E-9	2.402512215. E-10	6.4087813349 E-12
12.75	6.5135515901 E-6	3.0466890875 E-7	1.1818776274 E-8	3.873710.768 E-10	1.0888662856 E-11
13.00	8.9037980542 E-6	4.3845893901 E-7	1.7903338731 E-8	6.1761392111 E-10	1.827.278143 E-11