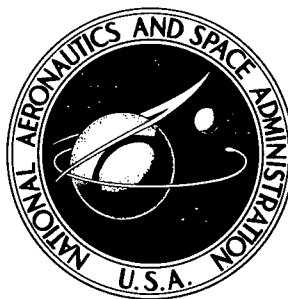


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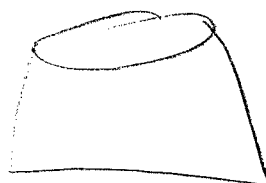
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IDEAL-GAS TABLES FOR
OBLIQUE-SHOCK FLOW PARAMETERS
IN AIR AT MACH NUMBERS
FROM 1.05 TO 12.0

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by John S. Dennard and Patricia B. Spencer

*Langley Research Center
Langley Station, Hampton, Va.*

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IDEAL-GAS TABLES FOR OBLIQUE-SHOCK FLOW PARAMETERS

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SUMMARY

Oblique-shock tables are presented for air with initial Mach numbers from 1.05 to 12.0 and flow-deflection angles from 0° up to the maximum turning angle for attached flow. Parameters presented are flow-deflection angle, shock-wave angle, total-pressure ratio, static-pressure, density, and temperature ratios, downstream Mach number, ratio of downstream velocity to maximum velocity, and increase in entropy. Perfect-gas equations have been used throughout these calculations. The tabulated values of shock angle in tables 503.111 and 503.211 of NAVORD Report 1488 (vol. 2) were used as source data and the computations were thereby simplified considerably.

INTRODUCTION

The determination of the flow conditions existing downstream of a weak oblique shock is often required in the study of supersonic-flow phenomena. The basic equations governing the flow across an oblique wave are well known and have been published in many papers. (See, for instance, refs. 1 to 4.) Several papers have tabulated or plotted these oblique-shock flow parameters (refs. 2, 3, 4, and 5) using Mach number and shock angle as primary parameters. The arrangement of these tables is due to the fact that no convenient explicit relations exist with Mach number and deflection angle as primary parameters. The tables of reference 6 give solutions for several Mach numbers between 3 and 30 at deflection-angle increments of 1° . It is often the case, however, that a supersonic design problem will, at a given initial Mach number, require the solution of the flow conditions downstream of a series of fixed flow deflections which will determine the values of the other parameters. A problem of this type requires tables with closely spaced Mach number increments and an extensive set of flow parameters across the shock. This is particularly true in the design of supersonic inlet diffusers. In such a case it is necessary either to resort to extensive interpolation if existing tables are used or to be content with a lower degree of precision if charts are used. The present tables present Mach number and flow deflection as primary parameters. These parameters together with the shock-wave angle, as tabulated in reference 7, are used to determine the ratios of total pressure, static pressure, density, and temperature, entropy rise, downstream Mach number, and downstream ratio of local velocity to maximum velocity for oblique-shock waves. This paper is essentially a rearrangement and extension of reference 3 and parts of reference 6.

SYMBOLS

M	Mach number
p	static pressure
p_t	total pressure
R	gas constant, 1716 ft ² /sec ² -°R
ΔS	increase in entropy across shock, ft ² /sec ² -°R
T	static temperature
V	velocity
V_m	maximum velocity attainable by expanding to absolute zero temperature
W	ratio of local velocity to maximum velocity
β	acute angle between downstream flow direction and shock wave, $\epsilon - \delta$, deg
γ	ratio of specific heats, 1.40 for air
δ	flow-deflection angle, deg
$\delta_{\max}$	maximum flow-deflection angle for attached flow, deg
ϵ	shock-wave angle, deg
ρ	static density

Subscripts:

1	conditions upstream of shock
2	conditions downstream of shock

SHOCK EQUATIONS

The tables of sections 503.111 and 503.211 of reference 7 have provided a convenient starting point for the determination of the flow parameters across an oblique shock. These tables together with the perfect-gas oblique-shock equations found in reference 1 have been used to prepare the present set of oblique-shock tables. Figure 1 shows the relationship between the turning angle δ and the shock-wave angle ϵ . The pertinent equations of reference 1 in the present

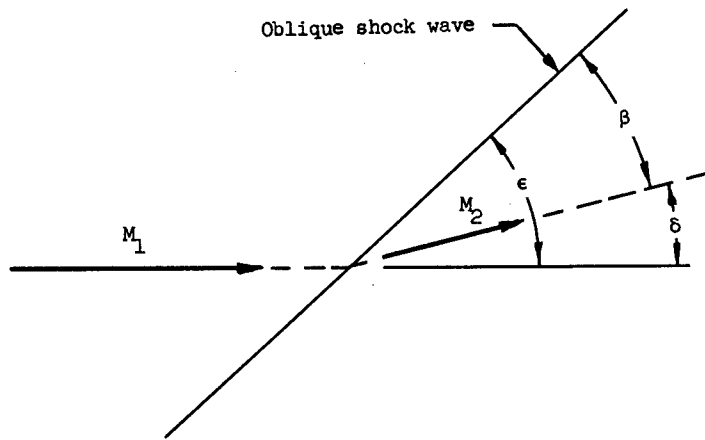


Figure 1.- Diagram showing the direction of the upstream and downstream Mach numbers, deflection angle, and shock angle at an oblique shock.

notation are repeated here for convenience. In each instance, the last form, substituting 1.4 for γ , has been used in the present computer program.

$$\left. \begin{aligned} M_2 &= \sqrt{\frac{1 + \frac{\gamma - 1}{2} M_1^2 \sin^2 \epsilon}{\sin^2(\epsilon - \delta) \left[\gamma M_1^2 \sin^2 \epsilon - \left(\frac{\gamma - 1}{2} \right) \right]}} \\ M_2 &= \sqrt{\frac{1 + 0.2 \left(M_1^2 \sin^2 \epsilon \right)}{\sin^2(\epsilon - \delta) \left[1.4 \left(M_1^2 \sin^2 \epsilon \right) - 0.2 \right]}} \end{aligned} \right\} \quad (1)$$

$$W_2 = \frac{V_2}{V_m} = \sqrt{\frac{\gamma - 1}{2} M_2^2 \left(1 + \frac{\gamma - 1}{2} M_2^2 \right)^{-1}} = \sqrt{\frac{M_2^2}{5 + M_2^2}} \quad (2)$$

$$\left. \begin{aligned} \frac{p_2}{p_1} &= \frac{2\gamma M_1^2 \sin^2 \epsilon - (\gamma - 1)}{\gamma + 1} \\ \frac{p_2}{p_1} &= 1.16667 \left(M_1^2 \sin^2 \epsilon - 0.14286 \right) \end{aligned} \right\} \quad (3)$$

$$\left. \begin{aligned} \frac{\rho_2}{\rho_1} &= \frac{(\gamma + 1)M_1^2 \sin^2 \epsilon}{(\gamma - 1)M_1^2 \sin^2 \epsilon + 2} \\ \frac{\rho_2}{\rho_1} &= \frac{6 \frac{p_2}{p_1} + 1}{\frac{p_2}{p_1} + 6} \end{aligned} \right\} \quad (4)$$

$$\frac{T_2}{T_1} = \frac{[2\gamma M_1^2 \sin^2 \epsilon - (\gamma - 1)] [(\gamma - 1)M_1^2 \sin^2 \epsilon + 2]}{(\gamma + 1)^2 M_1^2 \sin^2 \epsilon} = \frac{p_2/p_1}{\rho_2/\rho_1} \quad (5)$$

$$\left. \begin{aligned} \frac{p_{t,2}}{p_{t,1}} &= e^{-\frac{\Delta S}{R}} = \left(\frac{p_1}{p_2}\right)^{\frac{1}{\gamma-1}} \left(\frac{\rho_2}{\rho_1}\right)^{\frac{\gamma}{\gamma-1}} \\ \frac{p_{t,2}}{p_{t,1}} &= \frac{95.5515(M_1 \sin \epsilon)^7}{(5.6M_1^2 \sin^2 \epsilon - 0.8)^{2.5} (1 + 0.2M_1^2 \sin^2 \epsilon)^{3.5}} \end{aligned} \right\} \quad (6)$$

$$\left. \begin{aligned} \Delta S &= R \log_e \left(\frac{p_{t,1}}{p_{t,2}} \right) = R \log_e \left[\left(\frac{p_2}{p_1} \right)^{\frac{1}{\gamma-1}} \left(\frac{\rho_1}{\rho_2} \right)^{\frac{\gamma}{\gamma-1}} \right] \\ \Delta S &= 1716 \log_e \left[\frac{(5.6M_1^2 \sin^2 \epsilon - 0.8)^{2.5} (1 + 0.2M_1^2 \sin^2 \epsilon)^{3.5}}{95.5515(M_1 \sin \epsilon)^7} \right] \end{aligned} \right\} \quad (7)$$

These equations were programed for and computed on the IBM 1620 at Langley Research Center.

COMPUTER PROGRAM

The flow parameters identified in the section "Shock Equations" have been programed for and computed on the IBM 1620 data processing system at the Langley Research Center. A print-out of the program and a flow chart for the program are presented in this section and in figure 2. A discussion of input and output for the program is also included. The program, which is written in FORTRAN language (ref. 8), uses the final forms of the identifying shock equations in computing the parameters. An initial value of 0° is assumed for the turning angle, and increments of either 0.5° or 1° are allowable up to the maximum angle for attached flow. The symbols used for this program are as follows:

AM	M_1
AM2	M_2
DEL	δ
DELMX	$\delta_{\max}$
DELTS	ΔS
EPS	ϵ , deg
K	number of values of δ
L	specifies increment of δ
PREST	$p_{t,2}/p_{t,1}$
RHO	ρ_1/ρ_2
SPE	ϵ , radians
STAT	p_2/p_1
TEMP	T_2/T_1
W	W_2

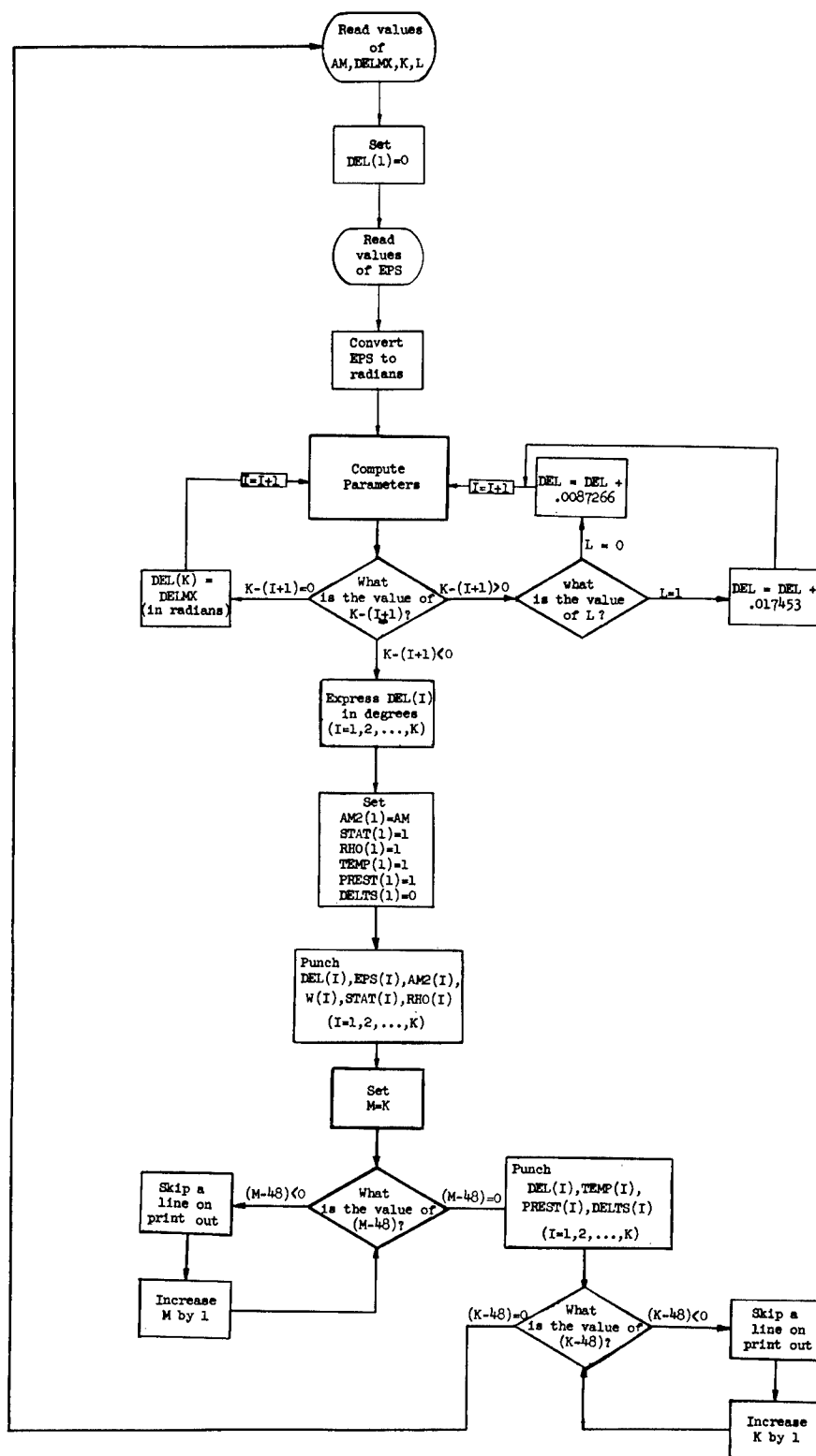


Figure 2.- Flow chart for program.

Description of Program

Input.- The input to the program is of two types. The first type is read into the IBM 1620 data processing system by the FORTRAN statement:

```
      READ 200,AM,DELMX,K,L
      200 FORMAT (2E12.5,I3,I3)
```

If L is 1, the increment is taken as 1° ; if it is 0, the increment is 0.5° . The value of K may not exceed 48. The second type is read into the machine by the FORTRAN statements:

```
      DO191 = 1,K,6
19 READ 20, EPS(I), EPS(I+1), EPS(I+2), EPS(I+3), EPS(I+4), EPS(I+5)
      20 FORMAT (6E12.5)
```

The program takes up to 48 values of ϵ . The input values of $\delta_{\max}$ and ϵ are in degrees and are converted to radians within the program.

Output.- For each Mach number the answers are in two groups, with 48 lines of print-out devoted to each group. In printing out the answers, a special band was placed on the printer so that it would give 48 lines per page, and therefore print each of the two groups of answers for a given Mach number on separate pages. The values of δ and ϵ are printed out in degrees. For purposes of reproduction, the two pages of print-out for each Mach number were combined in the present tables.

Complete program.- The following program has been used on the IBM 1620 data processing system at the Langley Research Center.

```
C      OBLIQUE SHOCK TABLES
      DIMENSION EPS(48), DEL(48), AM2(48), W(48), RHO(48), STAT(48), DELTS(48)
      DIMENSION TEMP(48), PREST(48), SPE(48)
13 FORMAT(1H )
20 FORMAT(6E12.5)
55 FORMAT(1XE11.4,1XE11.4,1XE11.4,1XE11.4,1XE11.4,1XE11.4)
200 FORMAT(2E12.5,I3,I3)
15 READ 200, AM, DELMX, K, L
      DEL(1)=0.
      DO191=1,K,6
19 READ 20, EPS(1), EPS(I+1), EPS(I+2), EPS(I+3), EPS(I+4), EPS(I+5)
      DO181=1,K
18 SPE(1)=EPS(1)*.0174533
      DO101=1,K
      B=AM*SINF(SPE(1))
      C=B**2
      PRES=((((5+.6*C)-.8)**2.5)*((1+.2*C)**3.5))/(95.5515*(B**7))
      DELTS(1)=1716.*(LOGF(PRES))
```

```

      AM2(I)=SQRT((1.+2*C)/((SINF(SPE(I)-DEL(I))**2)*((1.4*C)-.2)))
      W(I)=SQRT((AM2(I)**2)/(5.+(AM2(I)**2)))
      STAT(I)=1.16667*(C-.14286)
      RHO(I)=(6.*STAT(I)+1.)/(STAT(I)+6.)
      TEMP(I)=STAT(I)/RHO(I)
      PREST(I)=1./PRES
      J=I+1

      IF (K-J)27,201,17
17  IF (L)14,14,16
16  DEL(I+1)=DEL(I)+.017453
      GO TO 10
14  DEL(I+1)=DEL(I)+.0087266
      GO TO 10
201 DEL(K)=DEL(I)*.017453
10  CONTINUE
27  S=0.
      J=K-1
      DO68I=1,J
      DEL(I)=S
      IF (L)67,67,66
67  S=S+.5
      GO TO 68
66  S=S+1.
68  CONTINUE
      DEL(K)=DELMX
      AM2(I)=AM
      STAT(I)=1.
      RHO(I)=1.
      TEMP(I)=1.
      PREST(I)=1.
      DELTS(I)=0.

      DO60I=1,K
60  PUNCH55,DEL(I),EPS(I),AM2(I),W(I),STAT(I),RHO(I)
      M=K
204 IF (M-48)202,203,203
202 PUNCH13
      M=M+1
      GO TO 204
203 DO70I=1,K
70  PUNCH55,DEL(I),TEMP(I),PREST(I),DELTS(I)
205 IF (K-48)207,15,15
207 PUNCH13
      K=K+1
      GO TO 205
      END

```

DISCUSSION OF TABLES

Solutions of equations (1) to (7) are presented in tabular form for Mach numbers from 1.05 to 5 in steps of 0.05 and for Mach numbers from 5 to 12 in steps of 0.1. (See table I.) The flow-deflection angle is varied from $\delta = 0$ to $\delta_{\max}$ for attached shock waves in steps of 0.5° from Mach 1.05 to 1.95 and in steps of 1° from Mach 2.0 to 12.0. These increments do not exhaust the source tables of reference 7 for Mach numbers less than 5; however, a simple interpolation should provide satisfactory results for intermediate points throughout table I.

In the Mach number range from 1.05 to 1.95, the tables use increments of 0.5° for δ . These values of δ do not appear in reference 7 and accurate values of ϵ in this range were determined as follows: It was necessary to interpolate in the tables for the values of ϵ corresponding to the $\frac{1}{2}^\circ$ values of δ . To insure accuracy, this interpolated value of ϵ together with values 0.01° larger and smaller were used to compute δ . If the desired value of δ was not bracketed by these computations, ϵ was increased or decreased as necessary until δ was bracketed. The value of ϵ which corresponded most nearly to the desired value of δ was then used for input data. In a few cases, at flow angles near detachment, this same process was used to determine ϵ to the nearest 0.001° .

For each of the Mach numbers considered, the values of δ , ϵ , M_2 , W_2 , $\frac{p_2}{p_1}$, $\frac{\rho_2}{\rho_1}$, $\frac{T_2}{T_1}$, $\frac{p_{t,2}}{p_{t,1}}$, and ΔS are presented in table I. All parameters are presented as five-digit numbers followed by the letter E with a plus or minus sign and two more digits. The five-digit number is not rounded off in the last figure. The "E" notation refers to the exponent of 10 by which the five-digit number must be multiplied in order to place the decimal correctly.

Although the IBM 1620 will compute and read out 8 significant figures, the tables present only 5 figures because of the limitations imposed by the input information. The tables of reference 7 give values of ϵ to only two decimals for all values of δ except $\delta_{\max}$. Calculations were made to determine the maximum possible error that would result from having rounded off ϵ by $\pm 0.005^\circ$. These errors were then used to determine the accuracy which could be guaranteed in the tables. The results are as follows:

M_1	δ , deg	Accuracy in significant figures for tables of -						
		M_2	W_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	ΔS
2	1	3	3	4	4	4	5	2
2	22	4	4	4	4	4	4	4
12	1	3	3	3	5	4	4	1
12	44	4	3	4	5	4	4	5

It should be noted that the input ϵ will generally not have been rounded off by as much as $\pm 0.005^\circ$ and the tables will be more accurate than this analysis indicates.

These tables do not include real-gas effects and should be used with caution in regions where real-gas effects can cause appreciable deviations from the perfect-gas calculations. A discussion of imperfect-gas effects may be found in reference 1 and the effects of a real gas on oblique-shock waves may be found in references 6, 9, and 10. Effects of varying the specific heat and applications to real-gas flows may be found in reference 11 where similarity parameters were used to correlate many of the oblique-shock flow parameters.

CONCLUDING REMARKS

Oblique-shock tables are presented for air with initial Mach numbers from 1.05 to 12.0 and flow-deflection angles from 0° up to the maximum turning angle for attached flow. Parameters presented are flow-deflection angle, shock-wave angle, total-pressure ratio, static-pressure, density, and temperature ratios, downstream Mach number, ratio of downstream velocity to maximum velocity, and increase in entropy. Perfect-gas equations have been used throughout these calculations.

Langley Research Center,
National Aeronautics and Space Administration,
Langley Station, Hampton, Va., August 22, 1963.

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TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{sec^2 - O_R}$
-------------------	---------------------	-------	-------	-------------------	-------------------------	-------------------	---------------------------	---

 $M_1 = 1.05$

.0000E-99	7.2250E+01	1.0500E-00	4.2503E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
5.0000E-01	7.7324E+01	1.0027E-00	4.0918E-01	1.0576E-00	1.0408E-00	1.0161E-00	9.9998E-01	3.0373E-02
5.5800E-01	7.9938E+01	9.8447E-01	4.0294E-01	1.0803E-00	1.0567E-00	1.0223E-00	9.9995E-01	8.0135E-02

 $M_1 = 1.10$

.0000E-99	6.5380E+01	1.1000E-00	4.4141E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
5.0000E-01	6.7290E+01	1.0723E-00	4.3241E-01	1.0345E-00	1.0245E-00	1.0097E-00	9.9999E-01	6.1776E-03
1.0000E-00	6.9800E+01	1.0393E-00	4.2149E-01	1.0766E-00	1.0541E-00	1.0213E-00	9.9995E-01	7.0011E-02
1.5000E-00	7.5145E+01	9.8139E-01	4.0188E-01	1.1522E-00	1.1064E-00	1.0413E-00	9.9971E-01	4.9653E-01
1.5150E-00	7.6297E+01	9.7112E-01	3.9835E-01	1.1657E-00	1.1156E-00	1.0449E-00	9.9963E-01	6.3068E-01

 $M_1 = 1.15$

.0000E-99	6.0410E+01	1.1500E-00	4.5734E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
5.0000E-01	6.1700E+01	1.1270E-00	4.5009E-01	1.0294E-00	1.0209E-00	1.0083E-00	9.9999E-01	3.7752E-03
1.0000E-00	6.3160E+01	1.1023E-00	4.4217E-01	1.0617E-00	1.0437E-00	1.0172E-00	9.9997E-01	3.7408E-02
1.5000E-00	6.4860E+01	1.0752E-00	4.3335E-01	1.0977E-00	1.0688E-00	1.0270E-00	9.9991E-01	1.4173E-01
2.0000E-00	6.7000E+01	1.0434E-00	4.2286E-01	1.1406E-00	1.0985E-00	1.0383E-00	9.9976E-01	3.9850E-01
2.5000E-00	7.0343E+01	9.9906E-01	4.0792E-01	1.2016E-00	1.1400E-00	1.0540E-00	9.9936E-01	1.0838E-00
2.6840E-00	7.3748E+01	9.6062E-01	3.9472E-01	1.2554E-00	1.1760E-00	1.0675E-00	9.9880E-01	2.0579E-00

 $M_1 = 1.20$

.0000E-99	5.6440E+01	1.2000E-00	4.7288E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
5.0000E-01	5.7460E+01	1.1792E-00	4.6648E-01	1.0272E-00	1.0194E-00	1.0077E-00	9.9999E-01	3.2604E-03
1.0000E-00	5.8550E+01	1.1577E-00	4.5979E-01	1.0559E-00	1.0396E-00	1.0156E-00	9.9998E-01	2.7627E-02
1.5000E-00	5.9730E+01	1.1354E-00	4.5274E-01	1.0864E-00	1.0610E-00	1.0239E-00	9.9994E-01	9.9009E-02
2.0000E-00	6.1050E+01	1.1113E-00	4.4505E-01	1.1197E-00	1.0840E-00	1.0328E-00	9.9985E-01	2.5257E-01
2.5000E-00	6.2550E+01	1.0851E-00	4.3660E-01	1.1563E-00	1.1092E-00	1.0424E-00	9.9968E-01	5.3599E-01
3.0000E-00	6.4340E+01	1.0557E-00	4.2693E-01	1.1983E-00	1.1377E-00	1.0532E-00	9.9939E-01	1.0352E-00
3.5000E-00	6.6720E+01	1.0193E-00	4.1478E-01	1.2502E-00	1.1730E-00	1.0664E-00	9.9885E-01	1.9618E-00
3.9440E-00	7.1977E+01	9.5023E-01	3.9110E-01	1.3525E-00	1.2397E-00	1.0939E-00	9.9720E-01	4.8102E-00

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2}$ $sec^2-^{\circ}R$
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 $M_1 = 1.25$

.0000E-99	5.3130E+01	1.2500E-00	4.8795E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
5.0000E-01	5.3980E+01	1.2300E-00	4.8221E-01	1.0258E-00	1.0183E-00	1.0073E-00	9.9999E-01	2.4024E-03
1.0000E-00	5.4880E+01	1.2109E-00	4.7621E-01	1.0529E-00	1.0375E-00	1.0148E-00	9.9998E-01	2.3509E-02
1.5000E-00	5.5830E+01	1.1906E-00	4.6999E-01	1.0812E-00	1.0573E-00	1.0225E-00	9.9995E-01	8.2194E-02
2.0000E-00	5.6850E+01	1.1694E-00	4.6342E-01	1.1111E-00	1.0781E-00	1.0306E-00	9.9988E-01	2.0453E-01
2.5000E-00	5.7940E+01	1.1474E-00	4.5656E-01	1.1426E-00	1.0998E-00	1.0389E-00	9.9975E-01	4.1487E-01
3.0000E-00	5.9130E+01	1.1243E-00	4.4922E-01	1.1763E-00	1.1228E-00	1.0476E-00	9.9956E-01	7.4921E-01
3.5000E-00	6.0460E+01	1.0994E-00	4.4122E-01	1.2131E-00	1.1477E-00	1.0569E-00	9.9926E-01	1.2609E-00
4.0000E-00	6.1990E+01	1.0719E-00	4.3229E-01	1.2542E-00	1.1752E-00	1.0672E-00	9.9881E-01	2.0315E-00
4.5000E-00	6.3850E+01	1.0403E-00	4.2184E-01	1.3021E-00	1.2069E-00	1.0789E-00	9.9812E-01	3.2173E-00
5.0000E-00	6.6500E+01	9.9859E-01	4.0777E-01	1.3664E-00	1.2487E-00	1.0942E-00	9.9690E-01	5.3146E-00
5.2860E-00	7.0540E+01	9.4233E-01	3.8834E-01	1.4539E-00	1.3044E-00	1.1145E-00	9.9468E-01	9.1484E-00

 $M_1 = 1.30$

.0000E-99	5.0280E+01	1.3000E-00	5.0266E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
5.0000E-01	5.1030E+01	1.2817E-00	4.9729E-01	1.0251E-00	1.0178E-00	1.0071E-00	9.9999E-01	1.8876E-03
1.0000E-00	5.1810E+01	1.2629E-00	4.9178E-01	1.0513E-00	1.0363E-00	1.0144E-00	9.9998E-01	2.1106E-02
1.5000E-00	5.2620E+01	1.2439E-00	4.8615E-01	1.0783E-00	1.0553E-00	1.0217E-00	9.9995E-01	7.4301E-02
2.0000E-00	5.3470E+01	1.2244E-00	4.8030E-01	1.1064E-00	1.0748E-00	1.0293E-00	9.9989E-01	1.8016E-01
2.5000E-00	5.4370E+01	1.2043E-00	4.7418E-01	1.1358E-00	1.0952E-00	1.0371E-00	9.9978E-01	3.6135E-01
3.0000E-00	5.5320E+01	1.1836E-00	4.6783E-01	1.1666E-00	1.1162E-00	1.0451E-00	9.9962E-01	6.4011E-01
3.5000E-00	5.6330E+01	1.1622E-00	4.6120E-01	1.1989E-00	1.1381E-00	1.0533E-00	9.9939E-01	1.0447E-00
4.0000E-00	5.7420E+01	1.1398E-00	4.5415E-01	1.2333E-00	1.1612E-00	1.0620E-00	9.9906E-01	1.6122E-00
4.5000E-00	5.8620E+01	1.1159E-00	4.4654E-01	1.2704E-00	1.1859E-00	1.0712E-00	9.9860E-01	2.3962E-00
5.0000E-00	5.9960E+01	1.0901E-00	4.3823E-01	1.3108E-00	1.2126E-00	1.0810E-00	9.9798E-01	3.4671E-00
5.5000E-00	6.1520E+01	1.0613E-00	4.2881E-01	1.3566E-00	1.2424E-00	1.0919E-00	9.9711E-01	4.9582E-00
6.0000E-00	6.3460E+01	1.0274E-00	4.1751E-01	1.4113E-00	1.2775E-00	1.1047E-00	9.9584E-01	7.1416E-00
6.5000E-00	6.6510E+01	9.7795E-01	4.0070E-01	1.4917E-00	1.3281E-00	1.1231E-00	9.9351E-01	1.1159E+01
6.6620E-00	6.9395E+01	9.3587E-01	3.8608E-01	1.5608E-00	1.3708E-00	1.1385E-00	9.9107E-01	1.5377E+01

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2 \sec^2 - ^\circ R}$
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 $M_1 = 1.35$

.0000E-99	4.7790E+01	1.3500E-00	5.1690E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
5.0000E-01	4.8470E+01	1.3321E-00	5.1181E-01	1.0249E-00	1.0177E-00	1.0070E-00	9.9999E-01	2.4024E-03
1.0000E-00	4.9170E+01	1.3140E-00	5.0664E-01	1.0506E-00	1.0359E-00	1.0142E-00	9.9998E-01	2.0420E-02
1.5000E-00	4.9890E+01	1.2958E-00	5.0139E-01	1.0770E-00	1.0544E-00	1.0214E-00	9.9995E-01	7.1040E-02
2.0000E-00	5.0630E+01	1.2775E-00	4.9608E-01	1.1040E-00	1.0732E-00	1.0287E-00	9.9990E-01	1.6936E-01
2.5000E-00	5.1410E+01	1.2586E-00	4.9050E-01	1.1323E-00	1.0927E-00	1.0362E-00	9.9980E-01	3.3527E-01
3.0000E-00	5.2220E+01	1.2393E-00	4.8478E-01	1.1615E-00	1.1128E-00	1.0438E-00	9.9965E-01	5.8711E-01
3.5000E-00	5.3070E+01	1.2196E-00	4.7884E-01	1.1919E-00	1.1334E-00	1.0516E-00	9.9944E-01	9.4714E-01
4.0000E-00	5.3970E+01	1.1992E-00	4.7262E-01	1.2239E-00	1.1549E-00	1.0596E-00	9.9915E-01	1.4425E-00
4.5000E-00	5.4910E+01	1.1784E-00	4.6624E-01	1.2569E-00	1.1770E-00	1.0678E-00	9.9878E-01	2.0905E-00
5.0000E-00	5.5930E+01	1.1564E-00	4.5938E-01	1.2923E-00	1.2004E-00	1.0765E-00	9.9828E-01	2.9472E-00
5.5000E-00	5.7030E+01	1.1333E-00	4.5209E-01	1.3298E-00	1.2250E-00	1.0855E-00	9.9764E-01	4.0489E-00
6.0000E-00	5.8230E+01	1.1089E-00	4.4430E-01	1.3701E-00	1.2511E-00	1.0951E-00	9.9682E-01	5.4557E-00
6.5000E-00	5.9590E+01	1.0821E-00	4.3562E-01	1.4147E-00	1.2797E-00	1.1055E-00	9.9575E-01	7.2932E-00
7.0000E-00	6.1180E+01	1.0520E-00	4.2573E-01	1.4654E-00	1.3117E-00	1.1171E-00	9.9433E-01	9.7402E-00
7.5000E-00	6.3210E+01	1.0155E-00	4.1350E-01	1.5276E-00	1.3504E-00	1.1311E-00	9.9230E-01	1.3263E+01
8.0000E-00	6.6920E+01	9.5416E-01	3.9247E-01	1.6328E-00	1.4145E-00	1.1543E-00	9.8811E-01	2.0521E+01
8.0480E-00	6.8470E+01	9.3068E-01	3.8425E-01	1.6732E-00	1.4386E-00	1.1630E-00	9.8626E-01	2.3731E+01

 $M_1 = 1.40$

.0000E-99	4.5580E+01	1.4000E-00	5.3072E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
5.0000E-01	4.6210E+01	1.3823E-00	5.2583E-01	1.0249E-00	1.0177E-00	1.0070E-00	9.9999E-01	1.3720E-03
1.0000E-00	4.6840E+01	1.3651E-00	5.2108E-01	1.0500E-00	1.0354E-00	1.0140E-00	9.9998E-01	1.9734E-02
1.5000E-00	4.7590E+01	1.3472E-00	5.1607E-01	1.0763E-00	1.0539E-00	1.0212E-00	9.9995E-01	6.8909E-02
2.0000E-00	4.8170E+01	1.3296E-00	5.1108E-01	1.1029E-00	1.0724E-00	1.0284E-00	9.9990E-01	1.6404E-01
2.5000E-00	4.8870E+01	1.3113E-00	5.0588E-01	1.1306E-00	1.0916E-00	1.0357E-00	9.9981E-01	3.2394E-01
3.0000E-00	4.9590E+01	1.2930E-00	5.0059E-01	1.1590E-00	1.1110E-00	1.0431E-00	9.9967E-01	5.6224E-01
3.5000E-00	5.0340E+01	1.2742E-00	4.9512E-01	1.1885E-00	1.1311E-00	1.0507E-00	9.9947E-01	9.0152E-01
4.0000E-00	5.1120E+01	1.2551E-00	4.8948E-01	1.2190E-00	1.1517E-00	1.0584E-00	9.9920E-01	1.3588E-00
4.5000E-00	5.1930E+01	1.2357E-00	4.8370E-01	1.2505E-00	1.1727E-00	1.0663E-00	9.9886E-01	1.9539E-00
5.0000E-00	5.2780E+01	1.2158E-00	4.7769E-01	1.2833E-00	1.1945E-00	1.0743E-00	9.9841E-01	2.7141E-00
5.5000E-00	5.3680E+01	1.1951E-00	4.7137E-01	1.3178E-00	1.2171E-00	1.0827E-00	9.9786E-01	3.6731E-00
6.0000E-00	5.4630E+01	1.1738E-00	4.6479E-01	1.3538E-00	1.2405E-00	1.0912E-00	9.9717E-01	4.8559E-00
6.5000E-00	5.5650E+01	1.1514E-00	4.5781E-01	1.3919E-00	1.2651E-00	1.1002E-00	9.9632E-01	6.3171E-00
7.0000E-00	5.6760E+01	1.1277E-00	4.5030E-01	1.4329E-00	1.2912E-00	1.1097E-00	9.9527E-01	8.1253E-00
7.5000E-00	5.7980E+01	1.1023E-00	4.4217E-01	1.4771E-00	1.3190E-00	1.1198E-00	9.9398E-01	1.0358E+01
8.0000E-00	5.9370E+01	1.0743E-00	4.3307E-01	1.5264E-00	1.3497E-00	1.1309E-00	9.9234E-01	1.3189E+01
8.5000E-00	6.1010E+01	1.0426E-00	4.2258E-01	1.5828E-00	1.3843E-00	1.1434E-00	9.9021E-01	1.6874E+01
9.0000E-00	6.3190E+01	1.0024E-00	4.0906E-01	1.6548E-00	1.4277E-00	1.1590E-00	9.8712E-01	2.2740E+01
9.0420E-00	6.7716E+01	9.2661E-01	3.8282E-01	1.7912E-00	1.5077E-00	1.1870E-00	9.8015E-01	3.4395E+01

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 1.45$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2}$ $\frac{sec^2}{sec^2 \cdot ^\circ R}$
0.0000E-99	4.3600E+01	1.4500E-00	5.4411E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	+0.0000E-99
5.0000E-01	4.4180E+01	1.4329E-00	5.3954E-01	1.0246E-00	1.0175E-00	1.0069E-00	9.9999E-01	1.5444E-03
1.0000E-00	4.4770E+01	1.4157E-00	5.3495E-01	1.0499E-00	1.0354E-00	1.0140E-00	9.9998E-01	1.9562E-02
1.5000E-00	4.5380E+01	1.3983E-00	5.3020E-01	1.0760E-00	1.0537E-00	1.0211E-00	9.9996E-01	6.7951E-02
2.0000E-00	4.6000E+01	1.3809E-00	5.2545E-01	1.1025E-00	1.0722E-00	1.0283E-00	9.9990E-01	1.6232E-01
2.5000E-00	4.6640E+01	1.3633E-00	5.2056E-01	1.1299E-00	1.0911E-00	1.0355E-00	9.9981E-01	3.1828E-01
3.0000E-00	4.7300E+01	1.3454E-00	5.1555E-01	1.1581E-00	1.1104E-00	1.0429E-00	9.9967E-01	5.5314E-01
3.5000E-00	4.7980E+01	1.3273E-00	5.1043E-01	1.1871E-00	1.1301E-00	1.0503E-00	9.9948E-01	8.8282E-01
4.0000E-00	4.8680E+01	1.3090E-00	5.0521E-01	1.2169E-00	1.1502E-00	1.0579E-00	9.9922E-01	1.3226E-00
4.5000E-00	4.9400E+01	1.2906E-00	4.9990E-01	1.2474E-00	1.1706E-00	1.0655E-00	9.9889E-01	1.8894E-00
5.0000E-00	5.0160E+01	1.2714E-00	4.9427E-01	1.2795E-00	1.1919E-00	1.0734E-00	9.9847E-01	2.6171E-00
5.5000E-00	5.0940E+01	1.2521E-00	4.8860E-01	1.3122E-00	1.2135E-00	1.0813E-00	9.9795E-01	3.5076E-00
6.0000E-00	5.1760E+01	1.2322E-00	4.8265E-01	1.3465E-00	1.2358E-00	1.0895E-00	9.9732E-01	4.6011E-00
6.5000E-00	5.2610E+01	1.2122E-00	4.7658E-01	1.3817E-00	1.2585E-00	1.0978E-00	9.9656E-01	5.9055E-00
7.0000E-00	5.3520E+01	1.1909E-00	4.7009E-01	1.4191E-00	1.2825E-00	1.1065E-00	9.9564E-01	7.4907E-00
7.5000E-00	5.4480E+01	1.1691E-00	4.6334E-01	1.4582E-00	1.3072E-00	1.1155E-00	9.9455E-01	9.3694E-00
8.0000E-00	5.5520E+01	1.1459E-00	4.5606E-01	1.5001E-00	1.3334E-00	1.1250E-00	9.9324E-01	1.1632E+01
8.5000E-00	5.6640E+01	1.1216E-00	4.4835E-01	1.5445E-00	1.3608E-00	1.1349E-00	9.9169E-01	1.4319E+01
9.0000E-00	5.7890E+01	1.0951E-00	4.3984E-01	1.5932E-00	1.3906E-00	1.1456E-00	9.8979E-01	1.7598E+01
9.5000E-00	5.9320E+01	1.0658E-00	4.3026E-01	1.6476E-00	1.4234E-00	1.1575E-00	9.8745E-01	2.1671E+01
1.0000E+01	6.1050E+01	1.0316E-00	4.1892E-01	1.7115E-00	1.4613E-00	1.1712E-00	9.8439E-01	2.6986E+01
1.0500E+01	6.3480E+01	9.8602E-01	4.0347E-01	1.7972E-00	1.5112E-00	1.1892E-00	9.7981E-01	3.4988E+01
1.0785E+01	6.7097E+01	9.2353E-01	3.8173E-01	1.9147E-00	1.5778E-00	1.2134E-00	9.7269E-01	4.7509E+01

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 1.50$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2}$ $\frac{sec^2}{R}$
0.0000E-99	4.1810E+01	1.5000E-00	5.5709E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	0.0000E-99
5.0000E-01	4.2360E+01	1.4827E-00	5.5264E-01	1.0250E-00	1.0178E-00	1.0073E-00	0.9999E-01	2.2308E-03
1.0000E-00	4.2910E+01	1.4661E-00	5.4831E-01	1.0501E-00	1.0355E-00	1.0140E-00	0.9998E-01	1.9905E-02
1.5000E-00	4.3480E+01	1.4489E-00	5.4380E-01	1.0762E-00	1.0538E-00	1.0212E-00	0.9996E-01	6.8638E-02
2.0000E-00	4.4070E+01	1.4313E-00	5.3912E-01	1.1032E-00	1.0726E-00	1.0284E-00	0.9990E-01	1.6507E-01
2.5000E-00	4.4660E+01	1.4143E-00	5.3456E-01	1.1302E-00	1.0913E-00	1.0356E-00	0.9981E-01	3.2068E-01
3.0000E-00	4.5270E+01	1.3969E-00	5.2984E-01	1.1582E-00	1.1105E-00	1.0429E-00	0.9967E-01	5.5383E-01
3.5000E-00	4.5900E+01	1.3792E-00	5.2497E-01	1.1870E-00	1.1301E-00	1.0503E-00	0.9948E-01	8.8172E-01
4.0000E-00	4.6540E+01	1.3616E-00	5.2010E-01	1.2163E-00	1.1499E-00	1.0577E-00	0.9923E-01	1.3137E-00
4.5000E-00	4.7210E+01	1.3433E-00	5.1497E-01	1.2469E-00	1.1704E-00	1.0654E-00	0.9890E-01	1.8900E-00
5.0000E-00	4.7890E+01	1.3252E-00	5.0985E-01	1.2780E-00	1.1909E-00	1.0730E-00	0.9849E-01	2.5804E-00
5.5000E-00	4.8600E+01	1.3065E-00	5.0450E-01	1.3103E-00	1.2122E-00	1.0809E-00	0.9799E-01	3.4510E-00
6.0000E-00	4.9330E+01	1.2877E-00	4.9906E-01	1.3434E-00	1.2338E-00	1.0888E-00	0.9738E-01	4.4968E-00
6.5000E-00	5.0090E+01	1.2684E-00	4.9342E-01	1.3778E-00	1.2560E-00	1.0969E-00	0.9665E-01	5.7497E-00
7.0000E-00	5.0880E+01	1.2488E-00	4.8760E-01	1.4133E-00	1.2787E-00	1.1052E-00	0.9579E-01	7.2288E-00
7.5000E-00	5.1700E+01	1.2288E-00	4.8162E-01	1.4500E-00	1.3020E-00	1.1136E-00	0.9479E-01	8.9528E-00
8.0000E-00	5.2570E+01	1.2079E-00	4.7520E-01	1.4886E-00	1.3262E-00	1.1224E-00	0.9361E-01	1.0985E+01
8.5000E-00	5.3490E+01	1.1862E-00	4.6865E-01	1.5291E-00	1.3513E-00	1.1315E-00	0.9224E-01	1.3355E+01
9.0000E-00	5.4470E+01	1.1636E-00	4.6163E-01	1.5718E-00	1.3776E-00	1.1409E-00	0.9065E-01	1.6117E+01
9.5000E-00	5.5530E+01	1.1395E-00	4.5410E-01	1.6174E-00	1.4053E-00	1.1509E-00	0.8877E-01	1.9362E+01
1.0000E+01	5.6680E+01	1.1143E-00	4.4603E-01	1.6662E-00	1.4345E-00	1.1615E-00	0.8659E-01	2.3161E+01
1.0500E+01	5.7970E+01	1.0866E-00	4.3707E-01	1.7197E-00	1.4662E-00	1.1729E-00	0.8397E-01	2.7720E+01
1.1000E+01	5.9470E+01	1.0553E-00	4.2680E-01	1.7800E-00	1.5018E-00	1.1858E-00	0.8072E-01	3.3393E+01
1.1500E+01	6.1340E+01	1.0177E-00	4.1427E-01	1.8545E-00	1.5439E-00	1.2011E-00	0.7646E-01	4.0876E+01
1.2000E+01	6.4360E+01	9.6063E-01	3.9472E-01	1.9668E-00	1.6067E-00	1.2240E-00	0.6924E-01	5.3598E+01
1.2113E+01	6.6589E+01	9.2128E-01	3.8094E-01	2.0439E-00	1.6488E-00	1.2375E-00	0.6384E-01	6.3185E+01

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 1.55$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{\text{ft}^2/\text{sec}^2 \cdot ^\circ R}$
.0000E-02	4.0180E+01	1.5500E-00	5.6965E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
5.0000E-01	4.0700E+01	1.5328E-00	5.6541E-01	1.0252E-00	1.0179E-00	1.0071E-00	9.9999E-01	2.0592E-03
1.0000E-00	4.1230E+01	1.5158E-00	5.6112E-01	1.0508E-00	1.0360E-00	1.0142E-00	9.9998E-01	2.1106E-02
1.5000E-00	4.1760E+01	1.4994E-00	5.5693E-01	1.0766E-00	1.0541E-00	1.0213E-00	9.9995E-01	6.9496E-02
2.0000E-00	4.2320E+01	1.4818E-00	5.5240E-01	1.1038E-00	1.0731E-00	1.0286E-00	9.9990E-01	1.6815E-01
2.5000E-00	4.2880E+01	1.4648E-00	5.4798E-01	1.1311E-00	1.0919E-00	1.0359E-00	9.9980E-01	3.2721E-01
3.0000E-00	4.3450E+01	1.4478E-00	5.4352E-01	1.1590E-00	1.1110E-00	1.0431E-00	9.9967E-01	5.6121E-01
3.5000E-00	4.4040E+01	1.4304E-00	5.3888E-01	1.1878E-00	1.1306E-00	1.0505E-00	9.9948E-01	8.9140E-01
4.0000E-00	4.4640E+01	1.4130E-00	5.3422E-01	1.2171E-00	1.1504E-00	1.0579E-00	9.9922E-01	1.3273E-00
4.5000E-00	4.5260E+01	1.3953E-00	5.2939E-01	1.2475E-00	1.1707E-00	1.0655E-00	9.9889E-01	1.8910E-00
5.0000E-00	4.5890E+01	1.3777E-00	5.2456E-01	1.2783E-00	1.1912E-00	1.0731E-00	9.9849E-01	2.5881E-00
5.5000E-00	4.6540E+01	1.3597E-00	5.1958E-01	1.3100E-00	1.2120E-00	1.0808E-00	9.9799E-01	3.4439E-00
6.0000E-00	4.7210E+01	1.3415E-00	5.1447E-01	1.3427E-00	1.2334E-00	1.0886E-00	9.9739E-01	4.4742E-00
6.5000E-00	4.7910E+01	1.3226E-00	5.0910E-01	1.3769E-00	1.2554E-00	1.0967E-00	9.9667E-01	5.7143E-00
7.0000E-00	4.8620E+01	1.3040E-00	5.0376E-01	1.4114E-00	1.2775E-00	1.1047E-00	9.9584E-01	7.1440E-00
7.5000E-00	4.9360E+01	1.2848E-00	4.9820E-01	1.4472E-00	1.3002E-00	1.1130E-00	9.9487E-01	8.8167E-00
8.0000E-00	5.0130E+01	1.2651E-00	4.9244E-01	1.4844E-00	1.3236E-00	1.1214E-00	9.9375E-01	1.0752E+01
8.5000E-00	5.0930E+01	1.2451E-00	4.8649E-01	1.5228E-00	1.3474E-00	1.1301E-00	9.9247E-01	1.2970E+01
9.0000E-00	5.1770E+01	1.2243E-00	4.8027E-01	1.5629E-00	1.3721E-00	1.1390E-00	9.9099E-01	1.5517E+01
9.5000E-00	5.2660E+01	1.2027E-00	4.7370E-01	1.6050E-00	1.3978E-00	1.1482E-00	9.8930E-01	1.8450E+01
1.0000E+01	5.3600E+01	1.1803E-00	4.6682E-01	1.6492E-00	1.4243E-00	1.1578E-00	9.8737E-01	2.1796E+01
1.0500E+01	5.4600E+01	1.1570E-00	4.5956E-01	1.6956E-00	1.4519E-00	1.1678E-00	9.8518E-01	2.5615E+01
1.1000E+01	5.5690E+01	1.1320E-00	4.5168E-01	1.7456E-00	1.4813E-00	1.1784E-00	9.8263E-01	3.0059E+01
1.1500E+01	5.6890E+01	1.1052E-00	4.4309E-01	1.7998E-00	1.5127E-00	1.1898E-00	9.7966E-01	3.5255E+01
1.2000E+01	5.8240E+01	1.0758E-00	4.3356E-01	1.8596E-00	1.5468E-00	1.2022E-00	9.7614E-01	4.1428E+01
1.2500E+01	5.9850E+01	1.0418E-00	4.2232E-01	1.9291E-00	1.5859E-00	1.2164E-00	9.7175E-01	4.9162E+01
1.3000E+01	6.1980E+01	9.9862E-01	4.0777E-01	2.0176E-00	1.6346E-00	1.2343E-00	9.6572E-01	5.9844E+01
1.3403E+01	6.6171E+01	9.1975E-01	3.8040E-01	2.1787E-00	1.7206E-00	1.2662E-00	9.5362E-01	8.1486E+01

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 1.60$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{\text{ft}^2} \text{sec}^2 \text{ } ^\circ \text{R}$
.0000E-99	3.8680E+01	1.6000E-00	5.8195E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
5.0000E-01	3.9180E+01	1.5830E-00	5.7780E-01	1.0253E-00	1.0180E-00	1.0071E-00	9.9999E-01	2.0592E-03
1.0000E-00	3.9690E+01	1.5658E-00	5.7360E-01	1.0514E-00	1.0364E-00	1.0144E-00	9.9998E-01	2.1450E-02
1.5000E-00	4.0200E+01	1.5492E-00	5.6950E-01	1.0776E-00	1.0548E-00	1.0216E-00	9.9995E-01	7.2756E-02
2.0000E-00	4.0720E+01	1.5325E-00	5.6533E-01	1.1043E-00	1.0734E-00	1.0288E-00	9.9990E-01	1.7056E-01
2.5000E-00	4.1260E+01	1.5152E-00	5.6096E-01	1.1322E-00	1.0927E-00	1.0361E-00	9.9980E-01	3.3458E-01
3.0000E-00	4.1810E+01	1.4978E-00	5.5654E-01	1.1607E-00	1.1122E-00	1.0436E-00	9.9966E-01	5.7870E-01
3.5000E-00	4.2360E+01	1.4811E-00	5.5222E-01	1.1892E-00	1.1316E-00	1.0509E-00	9.9946E-01	9.1043E-01
4.0000E-00	4.2930E+01	1.4638E-00	5.4771E-01	1.2188E-00	1.1515E-00	1.0584E-00	9.9921E-01	1.3559E-00
4.5000E-00	4.3510E+01	1.4465E-00	5.4317E-01	1.2490E-00	1.1717E-00	1.0659E-00	9.9888E-01	1.9227E-00
5.0000E-00	4.4110E+01	1.4288E-00	5.3844E-01	1.2802E-00	1.1924E-00	1.0736E-00	9.9846E-01	2.6361E-00
5.5000E-00	4.4720E+01	1.4111E-00	5.3369E-01	1.3120E-00	1.2133E-00	1.0813E-00	9.9796E-01	3.5011E-00
6.0000E-00	4.5340E+01	1.3935E-00	5.2891E-01	1.3443E-00	1.2344E-00	1.0890E-00	9.9736E-01	4.5285E-00
6.5000E-00	4.5990E+01	1.3751E-00	5.2384E-01	1.3782E-00	1.2563E-00	1.0970E-00	9.9664E-01	5.7675E-00
7.0000E-00	4.6650E+01	1.3568E-00	5.1876E-01	1.4126E-00	1.2783E-00	1.1050E-00	9.9581E-01	7.1977E-00
7.5000E-00	4.7330E+01	1.3383E-00	5.1355E-01	1.4479E-00	1.3007E-00	1.1132E-00	9.9485E-01	8.8524E-00
8.0000E-00	4.8030E+01	1.3195E-00	5.0822E-01	1.4843E-00	1.3235E-00	1.1214E-00	9.9375E-01	1.0747E+01
8.5000E-00	4.8760E+01	1.3001E-00	5.0265E-01	1.5221E-00	1.3470E-00	1.1299E-00	9.9249E-01	1.2926E+01
9.0000E-00	4.9510E+01	1.2806E-00	4.9698E-01	1.5607E-00	1.3708E-00	1.1385E-00	9.9107E-01	1.5376E+01
9.5000E-00	5.0300E+01	1.2602E-00	4.9099E-01	1.6013E-00	1.3955E-00	1.1474E-00	9.8946E-01	1.8182E+01
1.0000E+01	5.1120E+01	1.2395E-00	4.8481E-01	1.6432E-00	1.4208E-00	1.1565E-00	9.8764E-01	2.1328E+01
1.0500E+01	5.1980E+01	1.2181E-00	4.7837E-01	1.6869E-00	1.4468E-00	1.1659E-00	9.8561E-01	2.4872E+01
1.1000E+01	5.2880E+01	1.1961E-00	4.7169E-01	1.7322E-00	1.4735E-00	1.1756E-00	9.8333E-01	2.8833E+01
1.1500E+01	5.3850E+01	1.1728E-00	4.6448E-01	1.7806E-00	1.5016E-00	1.1857E-00	9.8074E-01	3.3369E+01
1.2000E+01	5.4890E+01	1.1482E-00	4.5680E-01	1.8320E-00	1.5311E-00	1.1964E-00	9.7780E-01	3.8516E+01
1.2500E+01	5.6020E+01	1.1221E-00	4.4852E-01	1.8870E-00	1.5623E-00	1.2078E-00	9.7445E-01	4.4404E+01
1.3000E+01	5.7280E+01	1.0936E-00	4.3936E-01	1.9473E-00	1.5960E-00	1.2201E-00	9.7055E-01	5.1285E+01
1.3500E+01	5.8740E+01	1.0614E-00	4.2883E-01	2.0157E-00	1.6335E-00	1.2339E-00	9.6586E-01	5.9603E+01
1.4000E+01	6.0540E+01	1.0231E-00	4.1606E-01	2.0975E-00	1.6777E-00	1.2502E-00	9.5989E-01	7.0240E+01
1.4500E+01	6.3310E+01	9.6687E-01	3.9688E-01	2.2174E-00	1.7407E-00	1.2738E-00	9.5052E-01	8.7078E+01
1.4652E+01	6.5828E+01	9.1884E-01	3.8007E-01	2.3192E-00	1.7928E-00	1.2935E-00	9.4204E-01	1.0245E+02

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 1.65$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2}$ sec ² -°R
.0000E-99	3.7310E+01	1.6500E-00	5.9366E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
5.0000E-01	3.7780E+01	1.6333E-00	5.8984E-01	1.0254E-00	1.0181E-00	1.0072E-00	9.9999E-01	2.2308E-03
1.0000E-00	3.8270E+01	1.6161E-00	5.8576E-01	1.0517E-00	1.0367E-00	1.0145E-00	9.9998E-01	2.1964E-02
1.5000E-00	3.8760E+01	1.5995E-00	5.8179E-01	1.0782E-00	1.0552E-00	1.0217E-00	9.9995E-01	7.4301E-02
2.0000E-00	3.9270E+01	1.5820E-00	5.7758E-01	1.1059E-00	1.0745E-00	1.0292E-00	9.9989E-01	1.7793E-01
2.5000E-00	3.9780E+01	1.5652E-00	5.7347E-01	1.1336E-00	1.0936E-00	1.0365E-00	9.9979E-01	3.4505E-01
3.0000E-00	4.0300E+01	1.5484E-00	5.6930E-01	1.1620E-00	1.1131E-00	1.0439E-00	9.9965E-01	5.9243E-01
3.5000E-00	4.0830E+01	1.5314E-00	5.6506E-01	1.1911E-00	1.1328E-00	1.0513E-00	9.9945E-01	9.3530E-01
4.0000E-00	4.1380E+01	1.5138E-00	5.6062E-01	1.2213E-00	1.1532E-00	1.0590E-00	9.9918E-01	1.3974E-00
4.5000E-00	4.1930E+01	1.4968E-00	5.5628E-01	1.2515E-00	1.1734E-00	1.0665E-00	9.9884E-01	1.9760E-00
5.0000E-00	4.2500E+01	1.4792E-00	5.5173E-01	1.2830E-00	1.1943E-00	1.0742E-00	9.9842E-01	2.7063E-00
5.5000E-00	4.3080E+01	1.4616E-00	5.4714E-01	1.3151E-00	1.2153E-00	1.0820E-00	9.9790E-01	3.5916E-00
6.0000E-00	4.3670E+01	1.4441E-00	5.4252E-01	1.3477E-00	1.2366E-00	1.0898E-00	9.9729E-01	4.6435E-00
6.5000E-00	4.4270E+01	1.4266E-00	5.3786E-01	1.3809E-00	1.2580E-00	1.0976E-00	9.9658E-01	5.8744E-00
7.0000E-00	4.4890E+01	1.4086E-00	5.3302E-01	1.4153E-00	1.2800E-00	1.1056E-00	9.9574E-01	7.3187E-00
7.5000E-00	4.5530E+01	1.3903E-00	5.2802E-01	1.4508E-00	1.3025E-00	1.1138E-00	9.9477E-01	8.9943E-00
8.0000E-00	4.6180E+01	1.3720E-00	5.2300E-01	1.4868E-00	1.3251E-00	1.1220E-00	9.9367E-01	1.0887E+01
8.5000E-00	4.6850E+01	1.3535E-00	5.1784E-01	1.5239E-00	1.3481E-00	1.1303E-00	9.9243E-01	1.3038E+01
9.0000E-00	4.7550E+01	1.3342E-00	5.1240E-01	1.5626E-00	1.3719E-00	1.1389E-00	9.9100E-01	1.5499E+01
9.5000E-00	4.8260E+01	1.3151E-00	5.0697E-01	1.6017E-00	1.3958E-00	1.1475E-00	9.8944E-01	1.8213E+01
1.0000E+01	4.9010E+01	1.2950E-00	5.0118E-01	1.6430E-00	1.4206E-00	1.1565E-00	9.8765E-01	2.1310E+01
1.0500E+01	4.9780E+01	1.2748E-00	4.9529E-01	1.6852E-00	1.4458E-00	1.1655E-00	9.8569E-01	2.4728E+01
1.1000E+01	5.0580E+01	1.2542E-00	4.8921E-01	1.7288E-00	1.4715E-00	1.1748E-00	9.8351E-01	2.8523E+01
1.1500E+01	5.1430E+01	1.2324E-00	4.8270E-01	1.7749E-00	1.4983E-00	1.1845E-00	9.8105E-01	3.2813E+01
1.2000E+01	5.2310E+01	1.2104E-00	4.7605E-01	1.8223E-00	1.5256E-00	1.1944E-00	9.7837E-01	3.7516E+01
1.2500E+01	5.3250E+01	1.1872E-00	4.6895E-01	1.8725E-00	1.5541E-00	1.2048E-00	9.7535E-01	4.2812E+01
1.3000E+01	5.4260E+01	1.1626E-00	4.6132E-01	1.9259E-00	1.5841E-00	1.2157E-00	9.7196E-01	4.8786E+01
1.3500E+01	5.5340E+01	1.1370E-00	4.5325E-01	1.9823E-00	1.6153E-00	1.2272E-00	9.6819E-01	5.5467E+01
1.4000E+01	5.6540E+01	1.1089E-00	4.4431E-01	2.0440E-00	1.6489E-00	1.2395E-00	9.6384E-01	6.3197E+01
1.4500E+01	5.7900E+01	1.0779E-00	4.3425E-01	2.1126E-00	1.6857E-00	1.2532E-00	9.5875E-01	7.2279E+01
1.5000E+01	5.9520E+01	1.0420E-00	4.2239E-01	2.1923E-00	1.7277E-00	1.2689E-00	9.5253E-01	8.3437E+01
1.5500E+01	6.1700E+01	9.9546E-01	4.0670E-01	2.2956E-00	1.7809E-00	1.2890E-00	9.4404E-01	9.8816E+01
1.5855E+01	6.5547E+01	9.1843E-01	3.7973E-01	2.4653E-00	1.8654E-00	1.3215E-00	9.2915E-01	1.2609E+02

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 1.70$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{ft^2}{sec^2-R}$
.0000E-99	3.6030E+01	1.7000E-00	6.0525E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
5.0000E-01	3.6420E+01	1.6833E-00	6.0143E-01	1.0257E-00	1.0183E-00	1.0072E-00	9.9999E-01	2.5740E-03
1.0000E-00	3.6960E+01	1.6663E-00	5.9753E-01	1.0522E-00	1.0370E-00	1.0146E-00	9.9998E-01	2.2308E-02
1.5000E-00	3.7440E+01	1.6491E-00	5.9355E-01	1.0794E-00	1.0561E-00	1.0220E-00	9.9995E-01	7.7904E-02
2.0000E-00	3.7930E+01	1.6318E-00	5.8949E-01	1.1073E-00	1.0755E-00	1.0295E-00	9.9989E-01	1.8480E-01
2.5000E-00	3.8420E+01	1.6151E-00	5.8553E-01	1.1353E-00	1.0948E-00	1.0369E-00	9.9979E-01	3.5740E-01
3.0000E-00	3.8920E+01	1.5983E-00	5.8150E-01	1.1640E-00	1.1145E-00	1.0444E-00	9.9964E-01	6.1318E-01
3.5000E-00	3.9440E+01	1.5806E-00	5.7723E-01	1.1940E-00	1.1348E-00	1.0521E-00	9.9943E-01	9.7509E-01
4.0000E-00	3.9960E+01	1.5636E-00	5.7306E-01	1.2241E-00	1.1551E-00	1.0597E-00	9.9915E-01	1.4459E-00
4.5000E-00	4.0490E+01	1.5465E-00	5.6882E-01	1.2548E-00	1.1756E-00	1.0673E-00	9.9880E-01	2.0454E-00
5.0000E-00	4.1030E+01	1.5293E-00	5.6453E-01	1.2862E-00	1.1964E-00	1.0750E-00	9.9837E-01	2.7874E-00
5.5000E-00	4.1580E+01	1.5121E-00	5.6017E-01	1.3183E-00	1.2175E-00	1.0828E-00	9.9785E-01	3.6204E-00
6.0000E-00	4.2150E+01	1.4942E-00	5.5560E-01	1.3517E-00	1.2392E-00	1.0907E-00	9.9721E-01	4.7823E-00
6.5000E-00	4.2720E+01	1.4769E-00	5.5115E-01	1.3851E-00	1.2607E-00	1.0986E-00	9.9648E-01	6.0394E-00
7.0000E-00	4.3310E+01	1.4591E-00	5.4649E-01	1.4197E-00	1.2828E-00	1.1067E-00	9.9562E-01	7.5170E-00
7.5000E-00	4.3910E+01	1.4413E-00	5.4179E-01	1.4550E-00	1.3051E-00	1.1148E-00	9.9465E-01	9.2047E-00
8.0000E-00	4.4530E+01	1.4230E-00	5.3690E-01	1.4915E-00	1.3280E-00	1.1230E-00	9.9352E-01	1.1146E+01
8.5000E-00	4.5160E+01	1.4048E-00	5.3199E-01	1.5285E-00	1.3510E-00	1.1314E-00	9.9226E-01	1.3321E+01
9.0000E-00	4.5810E+01	1.3862E-00	5.2691E-01	1.5668E-00	1.3745E-00	1.1398E-00	9.9084E-01	1.5778E+01
9.5000E-00	4.6480E+01	1.3673E-00	5.2168E-01	1.6062E-00	1.3985E-00	1.1485E-00	9.8925E-01	1.8534E+01
1.0000E+01	4.7170E+01	1.3480E-00	5.1630E-01	1.6467E-00	1.4228E-00	1.1573E-00	9.8749E-01	2.1601E+01
1.0500E+01	4.7880E+01	1.3285E-00	5.1078E-01	1.6883E-00	1.4476E-00	1.1662E-00	9.8554E-01	2.4993E+01
1.1000E+01	4.8610E+01	1.3088E-00	5.0515E-01	1.7310E-00	1.4727E-00	1.1753E-00	9.8340E-01	2.8721E+01
1.1500E+01	4.9370E+01	1.2885E-00	4.9928E-01	1.7753E-00	1.4985E-00	1.1846E-00	9.8110E-01	3.2852E+01
1.2000E+01	5.0170E+01	1.2672E-00	4.9306E-01	1.8217E-00	1.5253E-00	1.1943E-00	9.7840E-01	3.7459E+01
1.2500E+01	5.1000E+01	1.2456E-00	4.8665E-01	1.8696E-00	1.5525E-00	1.2042E-00	9.7553E-01	4.2504E+01
1.3000E+01	5.1870E+01	1.2233E-00	4.7995E-01	1.9195E-00	1.5805E-00	1.2144E-00	9.7238E-01	4.8061E+01
1.3500E+01	5.2790E+01	1.2000E-00	4.7289E-01	1.9719E-00	1.6096E-00	1.2251E-00	9.6890E-01	5.4214E+01
1.4000E+01	5.3770E+01	1.1757E-00	4.6538E-01	2.0272E-00	1.6398E-00	1.2362E-00	9.6504E-01	6.1051E+01
1.4500E+01	5.4830E+01	1.1497E-00	4.5727E-01	2.0863E-00	1.6717E-00	1.2480E-00	9.6073E-01	6.8738E+01
1.5000E+01	5.5980E+01	1.1222E-00	4.4854E-01	2.1496E-00	1.7053E-00	1.2605E-00	9.5591E-01	7.7371E+01
1.5500E+01	5.7280E+01	1.0916E-00	4.3869E-01	2.2198E-00	1.7420E-00	1.2743E-00	9.5032E-01	8.7434E+01
1.6000E+01	5.8790E+01	1.0570E-00	4.2736E-01	2.2966E-00	1.7829E-00	1.2898E-00	9.4370E-01	9.9430E+01
1.6500E+01	6.0730E+01	1.0138E-00	4.1294E-01	2.3990E-00	1.8328E-00	1.3089E-00	9.3509E-01	1.1514E+02
1.7000E+01	6.4630E+01	9.3217E-01	3.8478E-01	2.5860E-00	1.9236E-00	1.3443E-00	9.1796E-01	1.4688E+02
1.7012E+01	6.5319E+01	9.1846E-01	3.7794E-01	2.6171E-00	1.9383E-00	1.3502E-00	9.1501E-01	1.5240E+02

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 1.75$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{sec^2 \cdot ^\circ R}$
.0000E-99	3.4850E+01	1.7500E-00	6.1631E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
5.0000E-01	3.5300E+01	1.7327E-00	6.1253E-01	1.0263E-00	1.0187E-00	1.0074E-00	9.9999E-01	2.2308E-03
1.0000E-00	3.5760E+01	1.7153E-00	6.0865E-01	1.0535E-00	1.0379E-00	1.0150E-00	9.9998E-01	2.4195E-02
1.5000E-00	3.6220E+01	1.6985E-00	6.0488E-01	1.0808E-00	1.0570E-00	1.0224E-00	9.9995E-01	8.1336E-02
2.0000E-00	3.6690E+01	1.6815E-00	6.0102E-01	1.1088E-00	1.0765E-00	1.0299E-00	9.9988E-01	1.9286E-01
2.5000E-00	3.7170E+01	1.6643E-00	5.9707E-01	1.1375E-00	1.0963E-00	1.0375E-00	9.9978E-01	3.7439E-01
3.0000E-00	3.7650E+01	1.6477E-00	5.9322E-01	1.1664E-00	1.1161E-00	1.0450E-00	9.9962E-01	6.3823E-01
3.5000E-00	3.8150E+01	1.6302E-00	5.8911E-01	1.1966E-00	1.1366E-00	1.0528E-00	9.9941E-01	1.0119E-00
4.0000E-00	3.8650E+01	1.6133E-00	5.8510E-01	1.2270E-00	1.1570E-00	1.0604E-00	9.9912E-01	1.4974E-00
4.5000E-00	3.9160E+01	1.5962E-00	5.8102E-01	1.2581E-00	1.1778E-00	1.0681E-00	9.9876E-01	2.1167E-00
5.0000E-00	3.9680E+01	1.5791E-00	5.7686E-01	1.2899E-00	1.1988E-00	1.0759E-00	9.9832E-01	2.8845E-00
5.5000E-00	4.0210E+01	1.5618E-00	5.7263E-01	1.3224E-00	1.2202E-00	1.0838E-00	9.9777E-01	3.8160E-00
6.0000E-00	4.0760E+01	1.5438E-00	5.6817E-01	1.3563E-00	1.2422E-00	1.0918E-00	9.9712E-01	4.9467E-00
6.5000E-00	4.1310E+01	1.5265E-00	5.6381E-01	1.3903E-00	1.2640E-00	1.0998E-00	9.9636E-01	6.2494E-00
7.0000E-00	4.1870E+01	1.5090E-00	5.5940E-01	1.4249E-00	1.2861E-00	1.1079E-00	9.9549E-01	7.7552E-00
7.5000E-00	4.2450E+01	1.4909E-00	5.5477E-01	1.4609E-00	1.3089E-00	1.1161E-00	9.9447E-01	9.5077E-00
8.0000E-00	4.3040E+01	1.4729E-00	5.5009E-01	1.4976E-00	1.3318E-00	1.1244E-00	9.9332E-01	1.1493E+01
8.5000E-00	4.3640E+01	1.4548E-00	5.4537E-01	1.5350E-00	1.3550E-00	1.1328E-00	9.9203E-01	1.3719E+01
9.0000E-00	4.4250E+01	1.4369E-00	5.4060E-01	1.5730E-00	1.3783E-00	1.1412E-00	9.9060E-01	1.6198E+01
9.5000E-00	4.4880E+01	1.4184E-00	5.3565E-01	1.6123E-00	1.4021E-00	1.1498E-00	9.8900E-01	1.8979E+01
1.0000E+01	4.5530E+01	1.3995E-00	5.3053E-01	1.6528E-00	1.4265E-00	1.1586E-00	9.8721E-01	2.2083E+01
1.0500E+01	4.6200E+01	1.3801E-00	5.2524E-01	1.6946E-00	1.4513E-00	1.1675E-00	9.8523E-01	2.5523E+01
1.1000E+01	4.6880E+01	1.3610E-00	5.1994E-01	1.7369E-00	1.4762E-00	1.1765E-00	9.8309E-01	2.9257E+01
1.1500E+01	4.7590E+01	1.3411E-00	5.1435E-01	1.7810E-00	1.5019E-00	1.1858E-00	9.8071E-01	3.3407E+01
1.2000E+01	4.8320E+01	1.3209E-00	5.0863E-01	1.8263E-00	1.5279E-00	1.1953E-00	9.7813E-01	3.7931E+01
1.2500E+01	4.9080E+01	1.3002E-00	5.0266E-01	1.8733E-00	1.5546E-00	1.2050E-00	9.7530E-01	4.2904E+01
1.3000E+01	4.9860E+01	1.2793E-00	4.9660E-01	1.9214E-00	1.5815E-00	1.2148E-00	9.7226E-01	4.8270E+01
1.3500E+01	5.0690E+01	1.2571E-00	4.9007E-01	1.9722E-00	1.6097E-00	1.2251E-00	9.6887E-01	5.4254E+01
1.4000E+01	5.1550E+01	1.2346E-00	4.8336E-01	2.0246E-00	1.6384E-00	1.2357E-00	9.6522E-01	6.0730E+01
1.4500E+01	5.2460E+01	1.2111E-00	4.7625E-01	2.0797E-00	1.6681E-00	1.2467E-00	9.6122E-01	6.7862E+01
1.5000E+01	5.3420E+01	1.1867E-00	4.6880E-01	2.1373E-00	1.6988E-00	1.2581E-00	9.5686E-01	7.5664E+01
1.5500E+01	5.4460E+01	1.1606E-00	4.6070E-01	2.1990E-00	1.7312E-00	1.2702E-00	9.5200E-01	8.4401E+01
1.6000E+01	5.5590E+01	1.1328E-00	4.5194E-01	2.2652E-00	1.7653E-00	1.2831E-00	9.4659E-01	9.4180E+01
1.6500E+01	5.6850E+01	1.1024E-00	4.4220E-01	2.3378E-00	1.8022E-00	1.2971E-00	9.4044E-01	1.0537E+02
1.7000E+01	5.8300E+01	1.0682E-00	4.3106E-01	2.4196E-00	1.8430E-00	1.3128E-00	9.3326E-01	1.1852E+02
1.7500E+01	6.0090E+01	1.0272E-00	4.1745E-01	2.5178E-00	1.8909E-00	1.3315E-00	9.2433E-01	1.3501E+02
1.8000E+01	6.2950E+01	9.6438E-01	3.9602E-01	2.6673E-00	1.9618E-00	1.3596E-00	9.1020E-01	1.6145E+02
1.8121E+01	6.5137E+01	9.1879E-01	3.8006E-01	2.7746E-00	2.0112E-00	1.3795E-00	8.9970E-01	1.8135E+02

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 1.80$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{ft^2}{sec^2 \cdot ^\circ R}$
0.0000E-99	3.3750E+01	1.8000E-00	6.2703E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	0.0000E-99
5.0000E-01	3.4190E+01	1.7823E-00	6.2331E-01	1.0269E-00	1.0191E-00	1.0076E-00	9.9999E-01	3.0888E-03
1.0000E-00	3.4630E+01	1.7655E-00	6.1968E-01	1.0540E-00	1.0382E-00	1.0151E-00	9.9998E-01	2.5225E-02
1.5000E-00	3.5080E+01	1.7483E-00	6.1595E-01	1.0818E-00	1.0578E-00	1.0227E-00	9.9995E-01	8.4252E-02
2.0000E-00	3.5540E+01	1.7309E-00	6.1213E-01	1.1105E-00	1.0777E-00	1.0304E-00	9.9988E-01	2.0093E-01
2.5000E-00	3.6000E+01	1.7142E-00	6.0841E-01	1.1392E-00	1.0975E-00	1.0380E-00	9.9977E-01	3.8742E-01
3.0000E-00	3.6480E+01	1.6964E-00	6.0440E-01	1.1694E-00	1.1182E-00	1.0458E-00	9.9960E-01	6.7116E-01
3.5000E-00	3.6960E+01	1.6792E-00	6.0050E-01	1.1998E-00	1.1387E-00	1.0536E-00	9.9938E-01	1.0575E-00
4.0000E-00	3.7440E+01	1.6627E-00	5.9669E-01	1.2303E-00	1.1592E-00	1.0612E-00	9.9909E-01	1.5575E-00
4.5000E-00	3.7940E+01	1.6451E-00	5.9262E-01	1.2622E-00	1.1805E-00	1.0692E-00	9.9871E-01	2.2082E-00
5.0000E-00	3.8440E+01	1.6282E-00	5.8864E-01	1.2943E-00	1.2017E-00	1.0770E-00	9.9825E-01	3.0012E-00
5.5000E-00	3.8960E+01	1.6104E-00	5.8441E-01	1.3278E-00	1.2236E-00	1.0852E-00	9.9768E-01	3.9823E-00
6.0000E-00	3.9480E+01	1.5932E-00	5.8028E-01	1.3614E-00	1.2454E-00	1.0930E-00	9.9701E-01	5.1295E-00
6.5000E-00	4.0010E+01	1.5759E-00	5.7607E-01	1.3957E-00	1.2675E-00	1.1011E-00	9.9623E-01	6.4747E-00
7.0000E-00	4.0560E+01	1.5577E-00	5.7162E-01	1.4315E-00	1.2903E-00	1.1094E-00	9.9531E-01	8.0615E-00
7.5000E-00	4.1110E+01	1.5402E-00	5.6727E-01	1.4674E-00	1.3130E-00	1.1176E-00	9.9427E-01	9.8448E-00
8.0000E-00	4.1670E+01	1.5227E-00	5.6287E-01	1.5041E-00	1.3359E-00	1.1259E-00	9.9311E-01	1.1863E+01
8.5000E-00	4.2250E+01	1.5044E-00	5.5823E-01	1.5421E-00	1.3594E-00	1.1344E-00	9.9177E-01	1.4171E+01
9.0000E-00	4.2840E+01	1.4862E-00	5.5355E-01	1.5809E-00	1.3831E-00	1.1429E-00	9.9029E-01	1.6741E+01
9.5000E-00	4.3440E+01	1.4680E-00	5.4881E-01	1.6204E-00	1.4071E-00	1.1516E-00	9.8865E-01	1.9586E+01
1.0000E+01	4.4060E+01	1.4492E-00	5.4387E-01	1.6613E-00	1.4316E-00	1.1604E-00	9.8682E-01	2.2762E+01
1.0500E+01	4.4690E+01	1.4305E-00	5.3890E-01	1.7026E-00	1.4562E-00	1.1693E-00	9.8482E-01	2.6234E+01
1.1000E+01	4.5340E+01	1.4113E-00	5.3374E-01	1.7457E-00	1.4814E-00	1.1784E-00	9.8263E-01	3.0065E+01
1.1500E+01	4.6000E+01	1.3922E-00	5.2856E-01	1.7892E-00	1.5066E-00	1.1875E-00	9.8026E-01	3.4208E+01
1.2000E+01	4.6690E+01	1.3723E-00	5.2306E-01	1.8347E-00	1.5327E-00	1.1970E-00	9.7764E-01	3.8800E+01
1.2500E+01	4.7390E+01	1.3525E-00	5.1757E-01	1.8808E-00	1.5588E-00	1.2065E-00	9.7484E-01	4.3719E+01
1.3000E+01	4.8120E+01	1.3320E-00	5.1178E-01	1.9287E-00	1.5856E-00	1.2163E-00	9.7178E-01	4.9117E+01
1.3500E+01	4.8880E+01	1.3108E-00	5.0574E-01	1.9785E-00	1.6132E-00	1.2264E-00	9.6845E-01	5.5010E+01
1.4000E+01	4.9660E+01	1.2896E-00	4.9959E-01	2.0294E-00	1.6410E-00	1.2366E-00	9.6489E-01	6.1329E+01
1.4500E+01	5.0480E+01	1.2673E-00	4.9309E-01	2.0826E-00	1.6697E-00	1.2472E-00	9.6100E-01	6.8248E+01
1.5000E+01	5.1340E+01	1.2443E-00	4.8626E-01	2.1382E-00	1.6992E-00	1.2582E-00	9.5679E-01	7.5784E+01
1.5500E+01	5.2240E+01	1.2206E-00	4.7915E-01	2.1959E-00	1.7295E-00	1.2696E-00	9.5225E-01	8.3949E+01
1.6000E+01	5.3200E+01	1.1957E-00	4.7155E-01	2.2569E-00	1.7611E-00	1.2815E-00	9.4728E-01	9.2935E+01
1.6500E+01	5.4220E+01	1.1697E-00	4.6351E-01	2.3211E-00	1.7938E-00	1.2939E-00	9.4187E-01	1.0275E+02
1.7000E+01	5.5340E+01	1.1414E-00	4.5466E-01	2.3907E-00	1.8287E-00	1.3073E-00	9.3582E-01	1.1381E+02
1.7500E+01	5.6580E+01	1.1107E-00	4.4489E-01	2.4666E-00	1.8661E-00	1.3218E-00	9.2903E-01	1.2632E+02
1.8000E+01	5.8000E+01	1.0764E-00	4.3375E-01	2.5518E-00	1.9073E-00	1.3379E-00	9.2117E-01	1.4088E+02
1.8500E+01	5.9730E+01	1.0356E-00	4.2028E-01	2.6528E-00	1.9550E-00	1.3568E-00	9.1159E-01	1.5883E+02
1.9000E+01	6.2310E+01	9.7718E-01	4.0044E-01	2.7971E-00	2.0214E-00	1.3837E-00	8.9748E-01	1.8560E+02
1.9183E+01	6.4987E+01	9.1954E-01	3.8032E-01	2.9375E-00	2.0839E-00	1.4096E-00	8.8335E-01	2.1283E+02

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 1.85$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{R \ln 2}$
.0000E-99	3.2720E+01	1.8500E-00	6.3746E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
5.0000E-01	3.3150E+01	1.8323E-00	6.3381E-01	1.0273E-00	1.0194E-00	1.0077E-00	9.9999E-01	2.9172E-03
1.0000E-00	3.3580E+01	1.8152E-00	6.3026E-01	1.0548E-00	1.0388E-00	1.0153E-00	9.9998E-01	2.5568E-02
1.5000E-00	3.4020E+01	1.7978E-00	6.2660E-01	1.0831E-00	1.0587E-00	1.0231E-00	9.9994E-01	8.8370E-02
2.0000E-00	3.4470E+01	1.7802E-00	6.2285E-01	1.1123E-00	1.0789E-00	1.0309E-00	9.9987E-01	2.1105E-01
2.5000E-00	3.4920E+01	1.7632E-00	6.1919E-01	1.1417E-00	1.0992E-00	1.0386E-00	9.9976E-01	4.0681E-01
3.0000E-00	3.5380E+01	1.7459E-00	6.1543E-01	1.1719E-00	1.1198E-00	1.0464E-00	9.9959E-01	6.9775E-01
3.5000E-00	3.5850E+01	1.7284E-00	6.1157E-01	1.2029E-00	1.1408E-00	1.0543E-00	9.9935E-01	1.1026E+00
4.0000E-00	3.6320E+01	1.7115E-00	6.0782E-01	1.2341E-00	1.1618E-00	1.0622E-00	9.9905E-01	1.6271E+00
4.5000E-00	3.6810E+01	1.6936E-00	6.0378E-01	1.2667E-00	1.1835E-00	1.0703E-00	9.9865E-01	2.3119E+00
5.0000E-00	3.7300E+01	1.6763E-00	5.9983E-01	1.2996E-00	1.2052E-00	1.0783E-00	9.9816E-01	3.1459E+00
5.5000E-00	3.7790E+01	1.6596E-00	5.9599E-01	1.3326E-00	1.2268E-00	1.0862E-00	9.9759E-01	4.1370E+00
6.0000E-00	3.8300E+01	1.6419E-00	5.9187E-01	1.3671E-00	1.2491E-00	1.0944E-00	9.9689E-01	5.3409E+00
6.5000E-00	3.8820E+01	1.6241E-00	5.8768E-01	1.4024E-00	1.2718E-00	1.1026E-00	9.9607E-01	6.7551E+00
7.0000E-00	3.9340E+01	1.6069E-00	5.8358E-01	1.4379E-00	1.2943E-00	1.1108E-00	9.9513E-01	8.3617E+00
7.5000E-00	3.9880E+01	1.5888E-00	5.7922E-01	1.4748E-00	1.3176E-00	1.1193E-00	9.9405E-01	1.0235E+01
8.0000E-00	4.0420E+01	1.5714E-00	5.7497E-01	1.5119E-00	1.3407E-00	1.1276E-00	9.9284E-01	1.2321E+01
8.5000E-00	4.0980E+01	1.5531E-00	5.7047E-01	1.5505E-00	1.3645E-00	1.1362E-00	9.9146E-01	1.4707E+01
9.0000E-00	4.1550E+01	1.5348E-00	5.6591E-01	1.5899E-00	1.3886E-00	1.1449E-00	9.8992E-01	1.7368E+01
9.5000E-00	4.2130E+01	1.5165E-00	5.6129E-01	1.6301E-00	1.4129E-00	1.1537E-00	9.8823E-01	2.0314E+01
1.0000E+01	4.2720E+01	1.4981E-00	5.5661E-01	1.6710E-00	1.4374E-00	1.1625E-00	9.8636E-01	2.3554E+01
1.0500E+01	4.3320E+01	1.4798E-00	5.5188E-01	1.7127E-00	1.4620E-00	1.1714E-00	9.8433E-01	2.7096E+01
1.1000E+01	4.3940E+01	1.4608E-00	5.4693E-01	1.7559E-00	1.4873E-00	1.1805E-00	9.8209E-01	3.1011E+01
1.1500E+01	4.4570E+01	1.4419E-00	5.4194E-01	1.7998E-00	1.5127E-00	1.1897E-00	9.7966E-01	3.5247E+01
1.2000E+01	4.5220E+01	1.4225E-00	5.3677E-01	1.8451E-00	1.5386E-00	1.1991E-00	9.7702E-01	3.9883E+01
1.2500E+01	4.5890E+01	1.4027E-00	5.3141E-01	1.8918E-00	1.5650E-00	1.2088E-00	9.7415E-01	4.4931E+01
1.3000E+01	4.6580E+01	1.3825E-00	5.2588E-01	1.9398E-00	1.5918E-00	1.2186E-00	9.7105E-01	5.0404E+01
1.3500E+01	4.7280E+01	1.3625E-00	5.2034E-01	1.9885E-00	1.6187E-00	1.2284E-00	9.6776E-01	5.6226E+01
1.4000E+01	4.8020E+01	1.3411E-00	5.1436E-01	2.0398E-00	1.6466E-00	1.2387E-00	9.6414E-01	6.2662E+01
1.4500E+01	4.8770E+01	1.3201E-00	5.0840E-01	2.0917E-00	1.6746E-00	1.2491E-00	9.6032E-01	6.9461E+01
1.5000E+01	4.9560E+01	1.2980E-00	5.0205E-01	2.1462E-00	1.7035E-00	1.2598E-00	9.5617E-01	7.6901E+01
1.5500E+01	5.0370E+01	1.2759E-00	4.9560E-01	2.2018E-00	1.7326E-00	1.2707E-00	9.5178E-01	8.4805E+01
1.6000E+01	5.1230E+01	1.2524E-00	4.8869E-01	2.2605E-00	1.7629E-00	1.2822E-00	9.4698E-01	9.3473E+01
1.6500E+01	5.2130E+01	1.2283E-00	4.8147E-01	2.3215E-00	1.7940E-00	1.2940E-00	9.4184E-01	1.0281E+02
1.7000E+01	5.3090E+01	1.2028E-00	4.7375E-01	2.3861E-00	1.8264E-00	1.3064E-00	9.3623E-01	1.1306E+02
1.7500E+01	5.4120E+01	1.1759E-00	4.6545E-01	2.4546E-00	1.8602E-00	1.3195E-00	9.3011E-01	1.2431E+02
1.8000E+01	5.5230E+01	1.1474E-00	4.5655E-01	2.5276E-00	1.8957E-00	1.3333E-00	9.2343E-01	1.3669E+02
1.8500E+01	5.6460E+01	1.1164E-00	4.4670E-01	2.6073E-00	1.9336E-00	1.3483E-00	9.1595E-01	1.5065E+02
1.9000E+01	5.7870E+01	1.0815E-00	4.3542E-01	2.6968E-00	1.9755E-00	1.3651E-00	9.0734E-01	1.6685E+02
1.9500E+01	5.9580E+01	1.0403E-00	4.2184E-01	2.8025E-00	2.0238E-00	1.3847E-00	8.9693E-01	1.8664E+02
2.0000E+01	6.2100E+01	9.8175E-01	4.0201E-01	2.9519E-00	2.0902E-00	1.4122E-00	8.8188E-01	2.1569E+02
2.0198E+01	6.4873E+01	9.2042E-01	3.8064E-01	3.1063E-00	2.1565E-00	1.4404E-00	8.6600E-01	2.4687E+02

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 1.90$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}{sec^2-^{\circ}R}$
0.0000E-99	3.1760E+01	1.9000E-00	6.4745E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	0.0000E-99
5.0000E-01	3.2170E+01	1.8828E-00	6.4410E-01	1.0272E-00	1.0194E-00	1.0077E-00	9.9999E-01	3.2604E-03
1.0000E-00	3.2600E+01	1.8646E-00	6.4044E-01	1.0558E-00	1.0395E-00	1.0156E-00	9.9998E-01	2.7627E-02
1.5000E-00	3.3030E+01	1.8471E-00	6.3687E-01	1.0846E-00	1.0597E-00	1.0235E-00	9.9994E-01	9.3346E-02
2.0000E-00	3.3470E+01	1.8293E-00	6.3320E-01	1.1143E-00	1.0803E-00	1.0314E-00	9.9987E-01	2.2186E-01
2.5000E-00	3.3910E+01	1.8122E-00	6.2963E-01	1.1441E-00	1.1009E-00	1.0393E-00	9.9975E-01	4.2705E-01
3.0000E-00	3.4360E+01	1.7947E-00	6.2595E-01	1.1742E-00	1.1218E-00	1.0472E-00	9.9957E-01	7.3206E-01
3.5000E-00	3.4820E+01	1.7770E-00	6.2216E-01	1.2065E-00	1.1432E-00	1.0553E-00	9.9932E-01	1.1573E-00
4.0000E-00	3.5280E+01	1.7599E-00	6.1848E-01	1.2383E-00	1.1646E-00	1.0632E-00	9.9900E-01	1.7075E-00
4.5000E-00	3.5750E+01	1.7426E-00	6.1469E-01	1.2709E-00	1.1863E-00	1.0713E-00	9.9859E-01	2.4101E-00
5.0000E-00	3.6230E+01	1.7250E-00	6.1081E-01	1.3045E-00	1.2084E-00	1.0795E-00	9.9808E-01	3.2835E-00
5.5000E-00	3.6720E+01	1.7071E-00	6.0683E-01	1.3389E-00	1.2309E-00	1.0877E-00	9.9747E-01	4.3448E-00
6.0000E-00	3.7210E+01	1.6899E-00	6.0295E-01	1.3735E-00	1.2533E-00	1.0959E-00	9.9675E-01	5.5857E-00
6.5000E-00	3.7710E+01	1.6725E-00	5.9897E-01	1.4090E-00	1.2760E-00	1.1042E-00	9.9590E-01	7.0406E-00
7.0000E-00	3.8220E+01	1.6549E-00	5.9491E-01	1.4454E-00	1.2991E-00	1.1126E-00	9.9492E-01	8.7266E-00
7.5000E-00	3.8740E+01	1.6372E-00	5.9075E-01	1.4826E-00	1.3225E-00	1.1210E-00	9.9380E-01	1.0657E+01
8.0000E-00	3.9270E+01	1.6192E-00	5.8652E-01	1.5207E-00	1.3462E-00	1.1296E-00	9.9254E-01	1.2846E+01
8.5000E-00	3.9810E+01	1.6012E-00	5.8220E-01	1.5597E-00	1.3702E-00	1.1383E-00	9.9111E-01	1.5307E+01
9.0000E-00	4.0360E+01	1.5830E-00	5.7781E-01	1.5995E-00	1.3944E-00	1.1470E-00	9.8953E-01	1.8054E+01
9.5000E-00	4.0920E+01	1.5647E-00	5.7334E-01	1.6402E-00	1.4190E-00	1.1559E-00	9.8778E-01	2.1095E+01
1.0000E+01	4.1490E+01	1.5464E-00	5.6881E-01	1.6818E-00	1.4437E-00	1.1648E-00	9.8585E-01	2.4442E+01
1.0500E+01	4.2070E+01	1.5280E-00	5.6420E-01	1.7241E-00	1.4687E-00	1.1738E-00	9.8375E-01	2.8104E+01
1.1000E+01	4.2670E+01	1.5089E-00	5.5937E-01	1.7680E-00	1.4943E-00	1.1831E-00	9.8143E-01	3.2158E+01
1.1500E+01	4.3280E+01	1.4898E-00	5.5448E-01	1.8128E-00	1.5201E-00	1.1924E-00	9.7892E-01	3.6550E+01
1.2000E+01	4.3900E+01	1.4708E-00	5.4954E-01	1.8583E-00	1.5461E-00	1.2019E-00	9.7622E-01	4.1283E+01
1.2500E+01	4.4540E+01	1.4512E-00	5.4439E-01	1.9053E-00	1.5726E-00	1.2115E-00	9.7329E-01	4.6446E+01
1.3000E+01	4.5190E+01	1.4316E-00	5.3921E-01	1.9531E-00	1.5992E-00	1.2213E-00	9.7017E-01	5.1966E+01
1.3500E+01	4.5860E+01	1.4116E-00	5.3384E-01	2.0023E-00	1.6262E-00	1.2312E-00	9.6680E-01	5.7934E+01
1.4000E+01	4.6550E+01	1.3912E-00	5.2829E-01	2.0530E-00	1.6538E-00	1.2413E-00	9.6318E-01	6.4362E+01
1.4500E+01	4.7260E+01	1.3705E-00	5.2257E-01	2.1051E-00	1.6817E-00	1.2517E-00	9.5932E-01	7.1257E+01
1.5000E+01	4.8000E+01	1.3489E-00	5.1656E-01	2.1592E-00	1.7104E-00	1.2624E-00	9.5515E-01	7.8729E+01
1.5500E+01	4.8760E+01	1.3272E-00	5.1042E-01	2.2147E-00	1.7393E-00	1.2733E-00	9.5073E-01	8.6686E+01
1.6000E+01	4.9540E+01	1.3053E-00	5.0416E-01	2.2714E-00	1.7686E-00	1.2843E-00	9.4607E-01	9.5126E+01
1.6500E+01	5.0370E+01	1.2820E-00	4.9738E-01	2.3315E-00	1.7991E-00	1.2959E-00	9.4098E-01	1.0436E+02
1.7000E+01	5.1230E+01	1.2582E-00	4.9039E-01	2.3935E-00	1.8301E-00	1.3078E-00	9.3558E-01	1.1425E+02
1.7500E+01	5.2130E+01	1.2337E-00	4.8310E-01	2.4578E-00	1.8618E-00	1.3201E-00	9.2982E-01	1.2484E+02
1.8000E+01	5.3100E+01	1.2075E-00	4.7516E-01	2.5266E-00	1.8952E-00	1.3331E-00	9.2352E-01	1.3652E+02
1.8500E+01	5.4120E+01	1.1805E-00	4.6688E-01	2.5982E-00	1.9294E-00	1.3466E-00	9.1680E-01	1.4905E+02
1.9000E+01	5.5240E+01	1.1512E-00	4.5773E-01	2.6759E-00	1.9658E-00	1.3612E-00	9.0936E-01	1.6303E+02
1.9500E+01	5.6480E+01	1.1193E-00	4.4762E-01	2.7606E-00	2.0048E-00	1.3769E-00	9.0109E-01	1.7871E+02
2.0000E+01	5.7900E+01	1.0835E-00	4.3606E-01	2.8556E-00	2.0477E-00	1.3945E-00	8.9162E-01	1.9683E+02
2.0500E+01	5.9640E+01	1.0407E-00	4.2195E-01	2.9600E-00	2.0977E-00	1.4153E-00	8.8013E-01	2.1709E+02
2.1000E+01	6.2250E+01	9.7884E-01	4.0101E-01	3.1319E-00	2.1672E-00	1.4450E-00	8.6334E-01	2.5215E+02
2.1168E+01	6.4782E+01	9.2160E-01	3.8105E-01	3.2804E-00	2.2286E-00	1.4719E-00	8.4781E-01	2.8330E+02

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 1.95$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S, \text{ft}^2}{\text{sec}^2 \cdot ^\circ \text{R}}$
1.0000E-99	3.0850E+01	1.9500E-00	6.5729E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-99
5.0000E-01	3.1260E+01	1.9323E-00	6.5385E-01	1.0279E-00	1.0198E-00	1.0079E-00	9.9999E-01	2.9172E-03
1.0000E-00	3.1680E+01	1.9141E-00	6.5029E-01	1.0568E-00	1.0403E-00	1.0159E-00	9.9998E-01	2.9170E-02
1.5000E-00	3.2100E+01	1.8965E-00	6.4684E-01	1.0860E-00	1.0607E-00	1.0238E-00	9.9994E-01	9.8323E-02
2.0000E-00	3.2530E+01	1.8787E-00	6.4327E-01	1.1161E-00	1.0816E-00	1.0319E-00	9.9986E-01	2.3181E-01
2.5000E-00	3.2960E+01	1.8615E-00	6.3980E-01	1.1464E-00	1.1024E-00	1.0398E-00	9.9974E-01	4.4593E-01
3.0000E-00	3.3400E+01	1.8439E-00	6.3622E-01	1.1776E-00	1.1237E-00	1.0479E-00	9.9955E-01	7.6464E-01
3.5000E-00	3.3850E+01	1.8261E-00	6.3253E-01	1.2097E-00	1.1454E-00	1.0561E-00	9.9929E-01	1.2078E-00
4.0000E-00	3.4300E+01	1.8089E-00	6.2893E-01	1.2421E-00	1.1671E-00	1.0642E-00	9.9896E-01	1.7819E-00
4.5000E-00	3.4770E+01	1.7904E-00	6.2503E-01	1.2761E-00	1.1897E-00	1.0725E-00	9.9852E-01	2.5335E-00
5.0000E-00	3.5230E+01	1.7736E-00	6.2143E-01	1.3095E-00	1.2117E-00	1.0807E-00	9.9800E-01	3.4282E-00
5.5000E-00	3.5710E+01	1.7555E-00	6.1752E-01	1.3447E-00	1.2346E-00	1.0891E-00	9.9735E-01	4.5384E-00
6.0000E-00	3.6190E+01	1.7381E-00	6.1371E-01	1.3800E-00	1.2574E-00	1.0974E-00	9.9660E-01	5.8369E-00
6.5000E-00	3.6680E+01	1.7204E-00	6.0980E-01	1.4162E-00	1.2806E-00	1.1059E-00	9.9571E-01	7.3602E-00
7.0000E-00	3.7180E+01	1.7025E-00	6.0579E-01	1.4534E-00	1.3042E-00	1.1144E-00	9.9469E-01	9.1259E-00
7.5000E-00	3.7690E+01	1.6844E-00	6.0168E-01	1.4915E-00	1.3280E-00	1.1231E-00	9.9352E-01	1.1150E+01
8.0000E-00	3.8200E+01	1.6669E-00	5.9768E-01	1.5298E-00	1.3518E-00	1.1316E-00	9.9222E-01	1.3401E+01
8.5000E-00	3.8730E+01	1.6484E-00	5.9340E-01	1.5698E-00	1.3763E-00	1.1405E-00	9.9072E-01	1.5983E+01
9.0000E-00	3.9260E+01	1.6306E-00	5.8921E-01	1.6099E-00	1.4007E-00	1.1493E-00	9.8909E-01	1.8809E+01
9.5000E-00	3.9810E+01	1.6118E-00	5.8476E-01	1.6518E-00	1.4259E-00	1.1584E-00	9.8726E-01	2.2001E+01
1.0000E+01	4.0360E+01	1.5937E-00	5.8041E-01	1.6937E-00	1.4508E-00	1.1674E-00	9.8527E-01	2.5451E+01
1.0500E+01	4.0920E+01	1.5755E-00	5.7598E-01	1.7366E-00	1.4760E-00	1.1765E-00	9.8311E-01	2.9228E+01
1.1000E+01	4.1500E+01	1.5565E-00	5.7130E-01	1.7811E-00	1.5019E-00	1.1858E-00	9.8071E-01	3.3412E+01
1.1500E+01	4.2090E+01	1.5374E-00	5.6656E-01	1.8265E-00	1.5280E-00	1.1953E-00	9.7812E-01	3.7949E+01
1.2000E+01	4.2690E+01	1.5183E-00	5.6175E-01	1.8727E-00	1.5543E-00	1.2049E-00	9.7534E-01	4.2842E+01
1.2500E+01	4.3300E+01	1.4992E-00	5.5688E-01	1.9199E-00	1.5807E-00	1.2145E-00	9.7235E-01	4.8098E+01
1.3000E+01	4.3930E+01	1.4794E-00	5.5179E-01	1.9686E-00	1.6077E-00	1.2244E-00	9.6912E-01	5.3814E+01
1.3500E+01	4.4570E+01	1.4597E-00	5.4665E-01	2.0181E-00	1.6349E-00	1.2344E-00	9.6569E-01	5.9907E+01
1.4000E+01	4.5230E+01	1.4395E-00	5.4131E-01	2.0692E-00	1.6625E-00	1.2446E-00	9.6200E-01	6.6478E+01
1.4500E+01	4.5910E+01	1.4188E-00	5.3578E-01	2.1219E-00	1.6906E-00	1.2550E-00	9.5804E-01	7.3540E+01
1.5000E+01	4.6600E+01	1.3983E-00	5.3022E-01	2.1752E-00	1.7188E-00	1.2655E-00	9.5389E-01	8.0992E+01
1.5500E+01	4.7320E+01	1.3769E-00	5.2434E-01	2.2308E-00	1.7477E-00	1.2764E-00	9.4942E-01	8.9055E+01
1.6000E+01	4.8060E+01	1.3552E-00	5.1831E-01	2.2879E-00	1.7769E-00	1.2875E-00	9.4469E-01	9.7628E+01
1.6500E+01	4.8830E+01	1.3327E-00	5.1199E-01	2.3471E-00	1.8069E-00	1.2989E-00	9.3964E-01	1.0683E+02
1.7000E+01	4.9620E+01	1.3102E-00	5.0555E-01	2.4076E-00	1.8371E-00	1.3105E-00	9.3433E-01	1.1654E+02
1.7500E+01	5.0450E+01	1.2866E-00	4.9873E-01	2.4709E-00	1.8682E-00	1.3226E-00	9.2864E-01	1.2703E+02
1.8000E+01	5.1320E+01	1.2622E-00	4.9156E-01	2.5368E-00	1.9001E-00	1.3350E-00	9.2257E-01	1.3828E+02
1.8500E+01	5.2240E+01	1.2366E-00	4.8395E-01	2.6060E-00	1.9331E-00	1.3481E-00	9.1606E-01	1.5043E+02
1.9000E+01	5.3210E+01	1.2100E-00	4.7594E-01	2.6784E-00	1.9670E-00	1.3616E-00	9.0912E-01	1.6349E+02
1.9500E+01	5.4250E+01	1.1820E-00	4.6734E-01	2.7552E-00	2.0024E-00	1.3759E-00	9.0161E-01	1.7771E+02
2.0000E+01	5.5380E+01	1.1520E-00	4.5799E-01	2.8376E-00	2.0396E-00	1.3912E-00	8.9343E-01	1.9336E+02
2.0500E+01	5.6640E+01	1.1190E-00	4.4754E-01	2.9281E-00	2.0798E-00	1.4078E-00	8.8431E-01	2.1097E+02
2.1000E+01	5.8100E+01	1.0816E-00	4.3544E-01	3.0307E-00	2.1243E-00	1.4266E-00	8.7380E-01	2.3147E+02
2.1500E+01	5.9900E+01	1.0366E-00	4.2060E-01	3.1538E-00	2.1764E-00	1.4490E-00	8.6106E-01	2.5668E+02
2.2000E+01	6.2860E+01	9.5552E-01	3.9641E-01	3.3464E-00	2.2552E-00	1.4838E-00	8.4087E-01	2.9741E+02
2.2091E+01	6.4717E+01	9.2281E-01	3.8148E-01	3.4603E-00	2.3003E-00	1.5042E-00	8.2884E-01	3.2212E+02

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 2.0$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{p_2}{p_1}$	$\frac{p_2}{p_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{deg^2}$
0.0000E-99	3.0000E+01	2.0000E-00	6.6666E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	0.0000E-99
1.0000E-00	3.0810E+01	1.9640E-00	6.5992E-01	1.0575E-00	1.0408E-00	1.0161E-00	9.9998E-01	2.9858E-02
2.0000E-00	3.1650E+01	1.9276E-00	6.5293E-01	1.1182E-00	1.0830E-00	1.0324E-00	9.9985E-01	2.4382E-01
3.0000E-00	3.2510E+01	1.8919E-00	6.4591E-01	1.1812E-00	1.1262E-00	1.0488E-00	9.9952E-01	8.0873E-01
4.0000E-00	3.3390E+01	1.8568E-00	6.3885E-01	1.2467E-00	1.1702E-00	1.0653E-00	9.9890E-01	1.8747E-00
5.0000E-00	3.4300E+01	1.8214E-00	6.3155E-01	1.3152E-00	1.2154E-00	1.0820E-00	9.9790E-01	3.5972E-00
6.0000E-00	3.5240E+01	1.7856E-00	6.2402E-01	1.3870E-00	1.2619E-00	1.0990E-00	9.9644E-01	6.1152E-00
7.0000E-00	3.6210E+01	1.7497E-00	6.1626E-01	1.4619E-00	1.3095E-00	1.1163E-00	9.9444E-01	9.5556E-00
8.0000E-00	3.7210E+01	1.7137E-00	6.0830E-01	1.5399E-00	1.3580E-00	1.1339E-00	9.9185E-01	1.4030E+01
9.0000E-00	3.8240E+01	1.6776E-00	6.0014E-01	1.6211E-00	1.4075E-00	1.1517E-00	9.8862E-01	1.9638E+01
1.0000E+01	3.9310E+01	1.6408E-00	5.9160E-01	1.7062E-00	1.4582E-00	1.1700E-00	9.8465E-01	2.6527E+01
1.1000E+01	4.0420E+01	1.6033E-00	5.8272E-01	1.7952E-00	1.5100E-00	1.1888E-00	9.7992E-01	3.4791E+01
1.2000E+01	4.1580E+01	1.5647E-00	5.7334E-01	1.8887E-00	1.5633E-00	1.2081E-00	9.7434E-01	4.4595E+01
1.3000E+01	4.2780E+01	1.5259E-00	5.6368E-01	1.9860E-00	1.6173E-00	1.2279E-00	9.6793E-01	5.5922E+01
1.4000E+01	4.4030E+01	1.4864E-00	5.5361E-01	2.0876E-00	1.6724E-00	1.2482E-00	9.6063E-01	6.8915E+01
1.5000E+01	4.5340E+01	1.4459E-00	5.4300E-01	2.1943E-00	1.7287E-00	1.2693E-00	9.5238E-01	8.3725E+01
1.6000E+01	4.6730E+01	1.4034E-00	5.3160E-01	2.3074E-00	1.7869E-00	1.2913E-00	9.4304E-01	1.0063E+02
1.7000E+01	4.8200E+01	1.3596E-00	5.1953E-01	2.4267E-00	1.8465E-00	1.3142E-00	9.3262E-01	1.1968E+02
1.8000E+01	4.9790E+01	1.3128E-00	5.0630E-01	2.5549E-00	1.9088E-00	1.3385E-00	9.2088E-01	1.4143E+02
1.9000E+01	5.1510E+01	1.2636E-00	4.9198E-01	2.6923E-00	1.9734E-00	1.3642E-00	9.0777E-01	1.6603E+02
2.0000E+01	5.3420E+01	1.2103E-00	4.7601E-01	2.8426E-00	2.0419E-00	1.3921E-00	8.9293E-01	1.9431E+02
2.1000E+01	5.5640E+01	1.1499E-00	4.5734E-01	3.0135E-00	2.1169E-00	1.4235E-00	8.7558E-01	2.2798E+02
2.2000E+01	5.8460E+01	1.0759E-00	4.3357E-01	3.2230E-00	2.2051E-00	1.4616E-00	8.5383E-01	2.7116E+02
2.2973E+01	6.4669E+01	9.2424E-01	3.8199E-01	3.6457E-00	2.3714E-00	1.5373E-00	8.0925E-01	3.6316E+02

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 2.05$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{sec^2 \cdot ^\circ R}$
.0000E-99	2.9196E+01	2.0500E-00	6.7578E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	3.0000E+01	2.0127E-00	6.6901E-01	1.0590E-00	1.0418E-00	1.0165E-00	9.9998E-01	3.2775E-02
2.0000E-00	3.0820E+01	1.9766E-00	6.6230E-01	1.1203E-00	1.0844E-00	1.0330E-00	9.9985E-01	2.5583E-01
3.0000E-00	3.1660E+01	1.9411E-00	6.5555E-01	1.1840E-00	1.1281E-00	1.0496E-00	9.9950E-01	8.4269E-01
4.0000E-00	3.2530E+01	1.9051E-00	6.4853E-01	1.2510E-00	1.1731E-00	1.0664E-00	9.9885E-01	1.9650E-00
5.0000E-00	3.3430E+01	1.8687E-00	6.4126E-01	1.3214E-00	1.2195E-00	1.0835E-00	9.9779E-01	3.7833E-00
6.0000E-00	3.4350E+01	1.8329E-00	6.3395E-01	1.3942E-00	1.2666E-00	1.1007E-00	9.9626E-01	6.4128E-00
7.0000E-00	3.5300E+01	1.7969E-00	6.2640E-01	1.4705E-00	1.3149E-00	1.1183E-00	9.9418E-01	1.0004E+01
8.0000E-00	3.6280E+01	1.7606E-00	6.1863E-01	1.5500E-00	1.3642E-00	1.1361E-00	9.9148E-01	1.4675E+01
9.0000E-00	3.7300E+01	1.7233E-00	6.1043E-01	1.6337E-00	1.4151E-00	1.1545E-00	9.8806E-01	2.0595E+01
1.0000E+01	3.8340E+01	1.6868E-00	6.0223E-01	1.7200E-00	1.4663E-00	1.1730E-00	9.8396E-01	2.7733E+01
1.1000E+01	3.9420E+01	1.6495E-00	5.9364E-01	1.8103E-00	1.5187E-00	1.1919E-00	9.7906E-01	3.6297E+01
1.2000E+01	4.0550E+01	1.6108E-00	5.8450E-01	1.9055E-00	1.5727E-00	1.2116E-00	9.7328E-01	4.6466E+01
1.3000E+01	4.1710E+01	1.5724E-00	5.7523E-01	2.0038E-00	1.6271E-00	1.2315E-00	9.6669E-01	5.8121E+01
1.4000E+01	4.2930E+01	1.5323E-00	5.6530E-01	2.1078E-00	1.6831E-00	1.2522E-00	9.5912E-01	7.1620E+01
1.5000E+01	4.4200E+01	1.4916E-00	5.5494E-01	2.2163E-00	1.7401E-00	1.2736E-00	9.5061E-01	8.6917E+01
1.6000E+01	4.5530E+01	1.4499E-00	5.4405E-01	2.3301E-00	1.7983E-00	1.2956E-00	9.4110E-01	1.0416E+02
1.7000E+01	4.6930E+01	1.4068E-00	5.3253E-01	2.4498E-00	1.8579E-00	1.3185E-00	9.3055E-01	1.2350E+02
1.8000E+01	4.8430E+01	1.3613E-00	5.2000E-01	2.5776E-00	1.9196E-00	1.3427E-00	9.1876E-01	1.4539E+02
1.9000E+01	5.0030E+01	1.3139E-00	5.0663E-01	2.7130E-00	1.9830E-00	1.3681E-00	9.0576E-01	1.6984E+02
2.0000E+01	5.1790E+01	1.2627E-00	4.9172E-01	2.8604E-00	2.0498E-00	1.3954E-00	8.9115E-01	1.9774E+02
2.1000E+01	5.3740E+01	1.2076E-00	4.7519E-01	3.0211E-00	2.1202E-00	1.4249E-00	8.7480E-01	2.2953E+02
2.2000E+01	5.6030E+01	1.1445E-00	4.5562E-01	3.2055E-00	2.1979E-00	1.4584E-00	8.5566E-01	2.6747E+02
2.3000E+01	5.9000E+01	1.0656E-00	4.3020E-01	3.4356E-00	2.2906E-00	1.4998E-00	8.3145E-01	3.1672E+02
2.3813E+01	6.4639E+01	9.2570E-01	3.8250E-01	3.8367E-00	2.4419E-00	1.5712E-00	7.8912E-01	4.0639E+02

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 2.10$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{sec^2 - O_R}$
...0000E-99	2.8437E+01	2.1000E-00	6.8457E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	2.9220E+01	2.0633E-00	6.7815E-01	1.0594E-00	1.0420E-00	1.0166E-00	9.9998E-01	3.3290E-02
2.0000E-00	3.0030E+01	2.0264E-00	6.7151E-01	1.1219E-00	1.0855E-00	1.0334E-00	9.9984E-01	2.6544E-01
3.0000E-00	3.0870E+01	1.9889E-00	6.6461E-01	1.1878E-00	1.1306E-00	1.0505E-00	9.9948E-01	8.9174E-01
4.0000E-00	3.1720E+01	1.9533E-00	6.5788E-01	1.2555E-00	1.1761E-00	1.0675E-00	9.9879E-01	2.0613E-00
5.0000E-00	3.2610E+01	1.9159E-00	6.5066E-01	1.3276E-00	1.2235E-00	1.0850E-00	9.9768E-01	3.9765E-00
6.0000E-00	3.3510E+01	1.8804E-00	6.4362E-01	1.4015E-00	1.2712E-00	1.1024E-00	9.9609E-01	6.7149E-00
7.0000E-00	3.4450E+01	1.8434E-00	6.3610E-01	1.4797E-00	1.3206E-00	1.1204E-00	9.9390E-01	1.0497E+01
8.0000E-00	3.5410E+01	1.8070E-00	6.2855E-01	1.5606E-00	1.3707E-00	1.1385E-00	9.9108E-01	1.5368E+01
9.0000E-00	3.6410E+01	1.7695E-00	6.2055E-01	1.6459E-00	1.4224E-00	1.1571E-00	9.8752E-01	2.1541E+01
1.0000E+01	3.7430E+01	1.7327E-00	6.1253E-01	1.7339E-00	1.4745E-00	1.1759E-00	9.8325E-01	2.8986E+01
1.1000E+01	3.8490E+01	1.6950E-00	6.0409E-01	1.8262E-00	1.5278E-00	1.1952E-00	9.7814E-01	3.7922E+01
1.2000E+01	3.9590E+01	1.6565E-00	5.9526E-01	1.9229E-00	1.5824E-00	1.2151E-00	9.7216E-01	4.8443E+01
1.3000E+01	4.0730E+01	1.6173E-00	5.8607E-01	2.0238E-00	1.6379E-00	1.2355E-00	9.6529E-01	6.0620E+01
1.4000E+01	4.1910E+01	1.5778E-00	5.7654E-01	2.1289E-00	1.6943E-00	1.2564E-00	9.5751E-01	7.4500E+01
1.5000E+01	4.3140E+01	1.5373E-00	5.6653E-01	2.2389E-00	1.7518E-00	1.2780E-00	9.4876E-01	9.0244E+01
1.6000E+01	4.4430E+01	1.4954E-00	5.5591E-01	2.3546E-00	1.8107E-00	1.3003E-00	9.3898E-01	1.0802E+02
1.7000E+01	4.5780E+01	1.4525E-00	5.4474E-01	2.4758E-00	1.8706E-00	1.3235E-00	9.2819E-01	1.2786E+02
1.8000E+01	4.7210E+01	1.4077E-00	5.3278E-01	2.6040E-00	1.9321E-00	1.3477E-00	9.1625E-01	1.5008E+02
1.9000E+01	4.8730E+01	1.3612E-00	5.1998E-01	2.7398E-00	1.9953E-00	1.3731E-00	9.0313E-01	1.7482E+02
2.0000E+01	5.0370E+01	1.3118E-00	5.0603E-01	2.8852E-00	2.0608E-00	1.4000E-00	8.8865E-01	2.0256E+02
2.1000E+01	5.2160E+01	1.2593E-00	4.9071E-01	3.0421E-00	2.1292E-00	1.4287E-00	8.7264E-01	2.3376E+02
2.2000E+01	5.4170E+01	1.2017E-00	4.7341E-01	3.2152E-00	2.2019E-00	1.4601E-00	8.5464E-01	2.6952E+02
2.3000E+01	5.6550E+01	1.1355E-00	4.5278E-01	3.4151E-00	2.2825E-00	1.4961E-00	8.3362E-01	3.1225E+02
2.4000E+01	5.9770E+01	1.0492E-00	4.2478E-01	3.6741E-00	2.3821E-00	1.5423E-00	8.0625E-01	3.6954E+02
2.4614E+01	6.4621E+01	9.2728E-01	3.8306E-01	4.0331E-00	2.5115E-00	1.6058E-00	7.6858E-01	4.5165E+02

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 2.15$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{ft^2}{sec^2 \cdot ^\circ R}$
.0000E-99	2.7718E+01	2.1500E-00	6.9309E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	2.8490E+01	2.1128E-00	6.8679E-01	1.0604E-00	1.0427E-00	1.0169E-00	9.9997E-01	3.5176E-02
2.0000E-00	2.9290E+01	2.0752E-00	6.8026E-01	1.1241E-00	1.0871E-00	1.0340E-00	9.9983E-01	2.7951E-01
3.0000E-00	3.0120E+01	2.0370E-00	6.7344E-01	1.1913E-00	1.1330E-00	1.0514E-00	9.9945E-01	9.3873E-01
4.0000E-00	3.0960E+01	2.0007E-00	6.6681E-01	1.2605E-00	1.1794E-00	1.0687E-00	9.9873E-01	2.1707E-00
5.0000E-00	3.1830E+01	1.9638E-00	6.5989E-01	1.3333E-00	1.2273E-00	1.0864E-00	9.9757E-01	4.1615E-00
6.0000E-00	3.2730E+01	1.9264E-00	6.5270E-01	1.4098E-00	1.2765E-00	1.1044E-00	9.9588E-01	7.0769E-00
7.0000E-00	3.3650E+01	1.8896E-00	6.4546E-01	1.4892E-00	1.3266E-00	1.1225E-00	9.9359E-01	1.1017E+01
8.0000E-00	3.4600E+01	1.8524E-00	6.3796E-01	1.5722E-00	1.3778E-00	1.1410E-00	9.9063E-01	1.6146E+01
9.0000E-00	3.5570E+01	1.8159E-00	6.3041E-01	1.6581E-00	1.4297E-00	1.1597E-00	9.8696E-01	2.2506E+01
1.0000E+01	3.6580E+01	1.7781E-00	6.2240E-01	1.7486E-00	1.4830E-00	1.1790E-00	9.8248E-01	3.0330E+01
1.1000E+01	3.7630E+01	1.7392E-00	6.1396E-01	1.8437E-00	1.5378E-00	1.1989E-00	9.7710E-01	3.9736E+01
1.2000E+01	3.8700E+01	1.7012E-00	6.0549E-01	1.9415E-00	1.5928E-00	1.2189E-00	9.7093E-01	5.0606E+01
1.3000E+01	3.9820E+01	1.6615E-00	5.9643E-01	2.0448E-00	1.6494E-00	1.2397E-00	9.6377E-01	6.3307E+01
1.4000E+01	4.0970E+01	1.6221E-00	5.8719E-01	2.1517E-00	1.7064E-00	1.2609E-00	9.5574E-01	7.7668E+01
1.5000E+01	4.2170E+01	1.5814E-00	5.7741E-01	2.2638E-00	1.7646E-00	1.2828E-00	9.4670E-01	9.3972E+01
1.6000E+01	4.3420E+01	1.5398E-00	5.6715E-01	2.3811E-00	1.8239E-00	1.3054E-00	9.3667E-01	1.1225E+02
1.7000E+01	4.4730E+01	1.4968E-00	5.5627E-01	2.5043E-00	1.8844E-00	1.3289E-00	9.2558E-01	1.3270E+02
1.8000E+01	4.6100E+01	1.4529E-00	5.4485E-01	2.6333E-00	1.9459E-00	1.3532E-00	9.1347E-01	1.5530E+02
1.9000E+01	4.7560E+01	1.4066E-00	5.3247E-01	2.7704E-00	2.0093E-00	1.3787E-00	9.0012E-01	1.8056E+02
2.0000E+01	4.9110E+01	1.3586E-00	5.1926E-01	2.9153E-00	2.0741E-00	1.4055E-00	8.8561E-01	2.0845E+02
2.1000E+01	5.0780E+01	1.3079E-00	5.0491E-01	3.0701E-00	2.1411E-00	1.4338E-00	8.6974E-01	2.3947E+02
2.2000E+01	5.2620E+01	1.2533E-00	4.8893E-01	3.2385E-00	2.2115E-00	1.4644E-00	8.5220E-01	2.7443E+02
2.3000E+01	5.4700E+01	1.1931E-00	4.7076E-01	3.4254E-00	2.2866E-00	1.4980E-00	8.3253E-01	3.1450E+02
2.4000E+01	5.7220E+01	1.1221E-00	4.4854E-01	3.6454E-00	2.3713E-00	1.5372E-00	8.0929E-01	3.6309E+02
2.5000E+01	6.0860E+01	1.0242E-00	4.1643E-01	3.9475E-00	2.4815E-00	1.5907E-00	7.7752E-01	4.3182E+02
2.5376E+01	6.4616E+01	9.2886E-01	3.8361E-01	4.2352E-00	2.5804E-00	1.6412E+00	7.4771E-01	4.9889E+02

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 2.20$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S,}{\text{ft}^2}$ $\text{sec}^2 \cdot ^\circ \text{R}$
.0000E-99	2.7036E+01	2.2000E-00	7.0132E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	2.7800E+01	2.1620E-00	6.9510E-01	1.0615E-00	1.0436E-00	1.0172E-00	9.9997E-01	3.6550E-02
2.0000E-00	2.8590E+01	2.1239E-00	6.8869E-01	1.1264E-00	1.0886E-00	1.0346E-00	9.9982E-01	2.9443E-01
3.0000E-00	2.9400E+01	2.0864E-00	6.8222E-01	1.1941E-00	1.1349E-00	1.0521E-00	9.9943E-01	9.7612E-01
4.0000E-00	3.0240E+01	2.0483E-00	6.7546E-01	1.2655E-00	1.1827E-00	1.0700E-00	9.9867E-01	2.2833E-00
5.0000E-00	3.1100E+01	2.0107E-00	6.6865E-01	1.3399E-00	1.2315E-00	1.0879E-00	9.9745E-01	4.3769E-00
6.0000E-00	3.1980E+01	1.9738E-00	6.6178E-01	1.4172E-00	1.2812E-00	1.1061E-00	9.9569E-01	7.4022E-00
7.0000E-00	3.2890E+01	1.9363E-00	6.5463E-01	1.4984E-00	1.3323E-00	1.1246E-00	9.9330E-01	1.1535E+01
8.0000E-00	3.3830E+01	1.8983E-00	6.4719E-01	1.5835E-00	1.3847E-00	1.1435E-00	9.9018E-01	1.6918E+01
9.0000E-00	3.4790E+01	1.8610E-00	6.3971E-01	1.6716E-00	1.4377E-00	1.1626E-00	9.8634E-01	2.3598E+01
1.0000E+01	3.5790E+01	1.8223E-00	6.3174E-01	1.7645E-00	1.4923E-00	1.1824E-00	9.8162E-01	3.1823E+01
1.1000E+01	3.6810E+01	1.7843E-00	6.2373E-01	1.8604E-00	1.5473E-00	1.2023E-00	9.7609E-01	4.1512E+01
1.2000E+01	3.7870E+01	1.7452E-00	6.1527E-01	1.9612E-00	1.6036E-00	1.2229E-00	9.6962E-01	5.2926E+01
1.3000E+01	3.8960E+01	1.7061E-00	6.0659E-01	2.0658E-00	1.6606E-00	1.2439E-00	9.6225E-01	6.6025E+01
1.4000E+01	4.0100E+01	1.6662E-00	5.9729E-01	2.1761E-00	1.7192E-00	1.2657E-00	9.5383E-01	8.1110E+01
1.5000E+01	4.1270E+01	1.6247E-00	5.8782E-01	2.2901E-00	1.7781E-00	1.2879E-00	9.4451E-01	9.7959E+01
1.6000E+01	4.2490E+01	1.5830E-00	5.7780E-01	2.4096E-00	1.8380E-00	1.3109E-00	9.3415E-01	1.1687E+02
1.7000E+01	4.3760E+01	1.5403E-00	5.6730E-01	2.5345E-00	1.8990E-00	1.3346E-00	9.2279E-01	1.3787E+02
1.8000E+01	4.5090E+01	1.4964E-00	5.5618E-01	2.6655E-00	1.9610E-00	1.3592E-00	9.1037E-01	1.6113E+02
1.9000E+01	4.6490E+01	1.4509E-00	5.4434E-01	2.8034E-00	2.0242E-00	1.3849E-00	8.9685E-01	1.8681E+02
2.0000E+01	4.7980E+01	1.4032E-00	5.3154E-01	2.9498E-00	2.0893E-00	1.4118E-00	8.8210E-01	2.1526E+02
2.1000E+01	4.9560E+01	1.3539E-00	5.1794E-01	3.1041E-00	2.1556E-00	1.4400E-00	8.6622E-01	2.4643E+02
2.2000E+01	5.1280E+01	1.3010E-00	5.0292E-01	3.2706E-00	2.2246E-00	1.4701E-00	8.4884E-01	2.8121E+02
2.3000E+01	5.3180E+01	1.2440E-00	4.8618E-01	3.4519E-00	2.2970E-00	1.5027E-00	8.2974E-01	3.2027E+02
2.4000E+01	5.5360E+01	1.1803E-00	4.6681E-01	3.6555E-00	2.3751E-00	1.5390E-00	8.0822E-01	3.6536E+02
2.5000E+01	5.8060E+01	1.1039E-00	4.4267E-01	3.8996E-00	2.4645E-00	1.5823E-00	7.8252E-01	4.2080E+02
2.6000E+01	6.2700E+01	9.7933E-01	4.0118E-01	4.2921E-00	2.5793E-00	1.6512E-00	7.4188E-01	5.1232E+02
2.6103E+01	6.4620E+01	9.3051E-01	3.8420E-01	4.4426E-00	2.6483E-00	1.6775E-00	7.2663E-01	5.4797E+02

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 2.25$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{\text{ft}^2/\text{sec}^2 - ^\circ\text{R}}$
.0000E-99	2.6388E+01	2.2500E-00	7.0929E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	0000E-99
1.0000E-00	2.7150E+01	2.2104E-00	7.0302E-01	1.0631E-00	1.0447E-00	1.0176E-00	9.9997E-01	3.9123E-02
2.0000E-00	2.7930E+01	2.1719E-00	6.9674E-01	1.1291E-00	1.0905E-00	1.0353E-00	9.9981E-01	3.1296E-01
3.0000E-00	2.8730E+01	2.1340E-00	6.9041E-01	1.1980E-00	1.1375E-00	1.0531E-00	9.9939E-01	1.0306E-00
4.0000E-00	2.9560E+01	2.0953E-00	6.8378E-01	1.2707E-00	1.1862E-00	1.0712E-00	9.9859E-01	2.4055E-00
5.0000E-00	3.0400E+01	2.0587E-00	6.7732E-01	1.3457E-00	1.2353E-00	1.0893E-00	9.9733E-01	4.5749E-00
6.0000E-00	3.1280E+01	2.0199E-00	6.7034E-01	1.4256E-00	1.2865E-00	1.1080E-00	9.9547E-01	7.7834E-00
7.0000E-00	3.2180E+01	1.9818E-00	6.6329E-01	1.5085E-00	1.3386E-00	1.1269E-00	9.9296E-01	1.2122E+01
8.0000E-00	3.3100E+01	1.9444E-00	6.5618E-01	1.5947E-00	1.3915E-00	1.1460E-00	9.8973E-01	1.7707E+01
9.0000E-00	3.4050E+01	1.9063E-00	6.4878E-01	1.6849E-00	1.4456E-00	1.1655E-00	9.8570E-01	2.4708E+01
1.0000E+01	3.5040E+01	1.8668E-00	6.4087E-01	1.7803E-00	1.5014E-00	1.1857E-00	9.8076E-01	3.3332E+01
1.1000E+01	3.6050E+01	1.8280E-00	6.3292E-01	1.8787E-00	1.5576E-00	1.2061E-00	9.7497E-01	4.3497E+01
1.2000E+01	3.7090E+01	1.7889E-00	6.2471E-01	1.9813E-00	1.6148E-00	1.2270E-00	9.6825E-01	5.5357E+01
1.3000E+01	3.8160E+01	1.7496E-00	6.1624E-01	2.0880E-00	1.6726E-00	1.2483E-00	9.6060E-01	6.8964E+01
1.4000E+01	3.9280E+01	1.7085E-00	6.0713E-01	2.2007E-00	1.7320E-00	1.2705E-00	9.5186E-01	8.4645E+01
1.5000E+01	4.0430E+01	1.6675E-00	5.9781E-01	2.3173E-00	1.7919E-00	1.2932E-00	9.4220E-01	1.0216E+02
1.6000E+01	4.1620E+01	1.6259E-00	5.8810E-01	2.4388E-00	1.8525E-00	1.3165E-00	9.3154E-01	1.2168E+02
1.7000E+01	4.2870E+01	1.5824E-00	5.7766E-01	2.5670E-00	1.9146E-00	1.3407E-00	9.1974E-01	1.4355E+02
1.8000E+01	4.4160E+01	1.5389E-00	5.6692E-01	2.6998E-00	1.9769E-00	1.3656E-00	9.0704E-01	1.6742E+02
1.9000E+01	4.5520E+01	1.4934E-00	5.5539E-01	2.8400E-00	2.0407E-00	1.3916E-00	8.9319E-01	1.9382E+02
2.0000E+01	4.6950E+01	1.4464E-00	5.4315E-01	2.9873E-00	2.1056E-00	1.4187E-00	8.7827E-01	2.2273E+02
2.1000E+01	4.8470E+01	1.3974E-00	5.2997E-01	3.1432E-00	2.1720E-00	1.4471E-00	8.6216E-01	2.5450E+02
2.2000E+01	5.0090E+01	1.3464E-00	5.1584E-01	3.3084E-00	2.2399E-00	1.4769E-00	8.4487E-01	2.8925E+02
2.3000E+01	5.1860E+01	1.2916E-00	5.0018E-01	3.4868E-00	2.3106E-00	1.5090E-00	8.2605E-01	3.2792E+02
2.4000E+01	5.3840E+01	1.2316E-00	4.8245E-01	3.6833E-00	2.3855E-00	1.5440E-00	8.0529E-01	3.7160E+02
2.5000E+01	5.6140E+01	1.1639E-00	4.6171E-01	3.9060E-00	2.4668E-00	1.5834E-00	7.8185E-01	4.2228E+02
2.6000E+01	5.9120E+01	1.0792E-00	4.3466E-01	4.1837E-00	2.5631E-00	1.6322E-00	7.5299E-01	4.8681E+02
2.6794E+01	6.4634E+01	9.3210E-01	3.8476E-01	4.6556E-00	2.7153E-00	1.7145E-00	7.0541E-01	5.9883E+02

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 2.30$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2}$ $\frac{sec^2}{sec^2 \cdot ^\circ R}$
.0000E-99	2.5771E+01	2.3000E-00	7.1702E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	2.6520E+01	2.2607E-00	7.1098E-01	1.0637E-00	1.0451E-00	1.0178E-00	9.9997E-01	4.0667E-02
2.0000E-00	2.7290E+01	2.2219E-00	7.0485E-01	1.1307E-00	1.0916E-00	1.0357E-00	9.9981E-01	3.2429E-01
3.0000E-00	2.8090E+01	2.1821E-00	6.9842E-01	1.2016E-00	1.1399E-00	1.0540E-00	9.9936E-01	1.0834E-00
4.0000E-00	2.8910E+01	2.1431E-00	6.9194E-01	1.2757E-00	1.1894E-00	1.0725E-00	9.9852E-01	2.5244E-00
5.0000E-00	2.9750E+01	2.1047E-00	6.8539E-01	1.3529E-00	1.2400E-00	1.0910E-00	9.9719E-01	4.8271E-00
6.0000E-00	3.0610E+01	2.0668E-00	6.7877E-01	1.4335E-00	1.2915E-00	1.1098E-00	9.9526E-01	8.1518E-00
7.0000E-00	3.1500E+01	2.0282E-00	6.7185E-01	1.5182E-00	1.3446E-00	1.1290E-00	9.9263E-01	1.2693E+01
8.0000E-00	3.2420E+01	1.9890E-00	6.6463E-01	1.6072E-00	1.3991E-00	1.1487E-00	9.8921E-01	1.8607E+01
9.0000E-00	3.3360E+01	1.9504E-00	6.5734E-01	1.6995E-00	1.4542E-00	1.1686E-00	9.8499E-01	2.5948E+01
1.0000E+01	3.4330E+01	1.9113E-00	6.4975E-01	1.7962E-00	1.5106E-00	1.1890E-00	9.7987E-01	3.4891E+01
1.1000E+01	3.5330E+01	1.8717E-00	6.4188E-01	1.8972E-00	1.5680E-00	1.2099E-00	9.7381E-01	4.5534E+01
1.2000E+01	3.6350E+01	1.8329E-00	6.3394E-01	2.0015E-00	1.6258E-00	1.2310E-00	9.6686E-01	5.7828E+01
1.3000E+01	3.7420E+01	1.7917E-00	6.2530E-01	2.1121E-00	1.6854E-00	1.2531E-00	9.5879E-01	7.2213E+01
1.4000E+01	3.8510E+01	1.7514E-00	6.1663E-01	2.2260E-00	1.7452E-00	1.2755E-00	9.4982E-01	8.8342E+01
1.5000E+01	3.9640E+01	1.7102E-00	6.0751E-01	2.3451E-00	1.8059E-00	1.2985E-00	9.3981E-01	1.0652E+02
1.6000E+01	4.0820E+01	1.6673E-00	5.9776E-01	2.4705E-00	1.8680E-00	1.3225E-00	9.2868E-01	1.2676E+02
1.7000E+01	4.2030E+01	1.6248E-00	5.8783E-01	2.5998E-00	1.9301E-00	1.3469E-00	9.1666E-01	1.4932E+02
1.8000E+01	4.3300E+01	1.5803E-00	5.7716E-01	2.7361E-00	1.9936E-00	1.3724E-00	9.0349E-01	1.7413E+02
1.9000E+01	4.4620E+01	1.5352E-00	5.6601E-01	2.8782E-00	2.0577E-00	1.3987E-00	8.8935E-01	2.0120E+02
2.0000E+01	4.6010E+01	1.4882E-00	5.5407E-01	3.0279E-00	2.1231E-00	1.4261E-00	8.7410E-01	2.3090E+02
2.1000E+01	4.7470E+01	1.4400E-00	5.4144E-01	3.1849E-00	2.1893E-00	1.4546E-00	8.5782E-01	2.6316E+02
2.2000E+01	4.9030E+01	1.3892E-00	5.2772E-01	3.3518E-00	2.2574E-00	1.4848E-00	8.4030E-01	2.9857E+02
2.3000E+01	5.0700E+01	1.3361E-00	5.1294E-01	3.5291E-00	2.3270E-00	1.5165E-00	8.2158E-01	3.3722E+02
2.4000E+01	5.2540E+01	1.2785E-00	4.9638E-01	3.7220E-00	2.3999E-00	1.5508E-00	8.0120E-01	3.8032E+02
2.5000E+01	5.4610E+01	1.2155E-00	4.7759E-01	3.9350E-00	2.4771E-00	1.5885E-00	7.7882E-01	4.2894E+02
2.6000E+01	5.7080E+01	1.1424E-00	4.5497E-01	4.1821E-00	2.5626E-00	1.6319E-00	7.5316E-01	4.8643E+02
2.7000E+01	6.0550E+01	1.0438E-00	4.2299E-01	4.5131E-00	2.6708E-00	1.6897E-00	7.1956E-01	5.6475E+02
2.7454E+01	6.4653E+01	9.3378E-01	3.8535E-01	4.8739E-00	2.7812E-00	1.7523E-00	6.8617E-01	6.5129E+02

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 2.35$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2 \sec^2 \circ R}$
.0000E-99	2.5184E+01	2.3500E-00	7.2445E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	2.5930E+01	2.3092E-00	7.1840E-01	1.0652E-00	1.0461E-00	1.0182E-00	9.9997E-01	4.3584E-02
2.0000E-00	2.6690E+01	2.2702E-00	7.1244E-01	1.1331E-00	1.0933E-00	1.0364E-00	9.9980E-01	3.4127E-01
3.0000E-00	2.7480E+01	2.2302E-00	7.0618E-01	1.2051E-00	1.1423E-00	1.0549E-00	9.9933E-01	1.1369E-00
4.0000E-00	2.8290E+01	2.1909E-00	6.9985E-01	1.2805E-00	1.1926E-00	1.0736E-00	9.9846E-01	2.6421E-00
5.0000E-00	2.9120E+01	2.1521E-00	6.9346E-01	1.3591E-00	1.2440E-00	1.0925E-00	9.9706E-01	5.0468E-00
6.0000E-00	2.9980E+01	2.1126E-00	6.8675E-01	1.4421E-00	1.2970E-00	1.1118E-00	9.9502E-01	8.5645E-00
7.0000E-00	3.0860E+01	2.0736E-00	6.7998E-01	1.5285E-00	1.3510E-00	1.1313E-00	9.9226E-01	1.3318E+01
8.0000E-00	3.1770E+01	2.0340E-00	6.7289E-01	1.6193E-00	1.4064E-00	1.1513E-00	9.8869E-01	1.9505E+01
9.0000E-00	3.2700E+01	1.9949E-00	6.6573E-01	1.7137E-00	1.4626E-00	1.1716E-00	9.8428E-01	2.7182E+01
1.0000E+01	3.3660E+01	1.9552E-00	6.5826E-01	1.8126E-00	1.5200E-00	1.1924E-00	9.7893E-01	3.6533E+01
1.1000E+01	3.4650E+01	1.9150E-00	6.5049E-01	1.9160E-00	1.5786E-00	1.2137E-00	9.7260E-01	4.7662E+01
1.2000E+01	3.5660E+01	1.8755E-00	6.4264E-01	2.0230E-00	1.6375E-00	1.2353E-00	9.6534E-01	6.0518E+01
1.3000E+01	3.6710E+01	1.8346E-00	6.3429E-01	2.1355E-00	1.6978E-00	1.2577E-00	9.5700E-01	7.5416E+01
1.4000E+01	3.7790E+01	1.7934E-00	6.2566E-01	2.2525E-00	1.7588E-00	1.2806E-00	9.4764E-01	9.2276E+01
1.5000E+01	3.8910E+01	1.7511E-00	6.1656E-01	2.3751E-00	1.8209E-00	1.3043E-00	9.3720E-01	1.1129E+02
1.6000E+01	4.0060E+01	1.7089E-00	6.0722E-01	2.5020E-00	1.8833E-00	1.3285E-00	9.2579E-01	1.3230E+02
1.7000E+01	4.1260E+01	1.6651E-00	5.9726E-01	2.6354E-00	1.9469E-00	1.3536E-00	9.1326E-01	1.5568E+02
1.8000E+01	4.2500E+01	1.6209E-00	5.8691E-01	2.7740E-00	2.0109E-00	1.3794E-00	8.9976E-01	1.8123E+02
1.9000E+01	4.3790E+01	1.5757E-00	5.7602E-01	2.9187E-00	2.0756E-00	1.4061E-00	8.8525E-01	2.0913E+02
2.0000E+01	4.5140E+01	1.5291E-00	5.6447E-01	3.0705E-00	2.1413E-00	1.4339E-00	8.6970E-01	2.3955E+02
2.1000E+01	4.6560E+01	1.4808E-00	5.5214E-01	3.2301E-00	2.2080E-00	1.4628E-00	8.5309E-01	2.7265E+02
2.2000E+01	4.8060E+01	1.4307E-00	5.3896E-01	3.3982E-00	2.2758E-00	1.4931E-00	8.3541E-01	3.0858E+02
2.3000E+01	4.9660E+01	1.3783E-00	5.2474E-01	3.5765E-00	2.3452E-00	1.5250E-00	8.1657E-01	3.4772E+02
2.4000E+01	5.1390E+01	1.3228E-00	5.0916E-01	3.7674E-00	2.4166E-00	1.5589E-00	7.9642E-01	3.9060E+02
2.5000E+01	5.3310E+01	1.2623E-00	4.9162E-01	3.9762E-00	2.4916E-00	1.5958E-00	7.7452E-01	4.3845E+02
2.6000E+01	5.5500E+01	1.1953E-00	4.7144E-01	4.2092E-00	2.5717E-00	1.6367E-00	7.5037E-01	4.9279E+02
2.7000E+01	5.8220E+01	1.1146E-00	4.4612E-01	4.4891E-00	2.6632E-00	1.6856E-00	7.2195E-01	5.5905E+02
2.8000E+01	6.2970E+01	9.8104E-01	4.0176E-01	4.9456E-00	2.8023E-00	1.7647E-00	6.7731E-01	6.6858E+02
2.8082E+01	6.4679E+01	9.3540E-01	3.8591E-01	5.0977E-00	2.8462E-00	1.7910E-00	6.6296E-01	7.0534E+02

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 2.40$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\sec^2 - ^\circ R$
0.0000E-99	2.4624E+01	2.4000E-00	7.3166E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	0.0000E-99
1.0000E-00	2.5360E+01	2.3591E-00	7.2578E-01	1.0660E-00	1.0467E-00	1.0184E-00	9.9997E-01	4.5300E-02
2.0000E-00	2.6120E+01	2.3182E-00	7.1975E-01	1.1358E-00	1.0951E-00	1.0371E-00	9.9978E-01	3.6135E-01
3.0000E-00	2.6900E+01	2.2781E-00	7.1366E-01	1.2088E-00	1.1448E-00	1.0559E-00	9.9930E-01	1.1942E-00
4.0000E-00	2.7700E+01	2.2386E-00	7.0751E-01	1.2853E-00	1.1958E-00	1.0748E-00	9.9838E-01	2.7655E-00
5.0000E-00	2.8530E+01	2.1982E-00	7.0105E-01	1.3662E-00	1.2486E-00	1.0942E-00	9.9691E-01	5.3103E-00
6.0000E-00	2.9380E+01	2.1584E-00	6.9451E-01	1.4507E-00	1.3024E-00	1.1138E-00	9.9477E-01	8.9900E-00
7.0000E-00	3.0250E+01	2.1193E-00	6.8790E-01	1.5387E-00	1.3573E-00	1.1336E-00	9.9189E-01	1.3956E+01
8.0000E-00	3.1150E+01	2.0792E-00	6.8096E-01	1.6314E-00	1.4137E-00	1.1540E-00	9.8817E-01	2.0417E+01
9.0000E-00	3.2070E+01	2.0398E-00	6.7395E-01	1.7277E-00	1.4708E-00	1.1746E-00	9.8356E-01	2.8428E+01
1.0000E+01	3.3020E+01	1.9997E-00	6.6661E-01	1.8288E-00	1.5293E-00	1.1958E-00	9.7799E-01	3.8187E+01
1.1000E+01	3.4000E+01	1.9589E-00	6.5876E-01	1.9346E-00	1.5889E-00	1.2175E-00	9.7139E-01	4.9799E+01
1.2000E+01	3.5010E+01	1.9177E-00	6.5100E-01	2.0452E-00	1.6496E-00	1.2398E-00	9.6375E-01	6.3354E+01
1.3000E+01	3.6040E+01	1.8771E-00	6.4297E-01	2.1595E-00	1.7105E-00	1.2624E-00	9.5513E-01	7.8760E+01
1.4000E+01	3.7110E+01	1.8352E-00	6.3441E-01	2.2796E-00	1.7727E-00	1.2859E-00	9.4539E-01	9.6357E+01
1.5000E+01	3.8210E+01	1.7930E-00	6.2558E-01	2.4044E-00	1.8355E-00	1.3079E-00	9.3462E-01	1.1602E+02
1.6000E+01	3.9350E+01	1.7497E-00	6.1626E-01	2.5349E-00	1.8992E-00	1.3347E-00	9.2275E-01	1.3795E+02
1.7000E+01	4.0530E+01	1.7057E-00	6.0650E-01	2.6711E-00	1.9636E-00	1.3603E-00	9.0982E-01	1.6216E+02
1.8000E+01	4.1750E+01	1.6610E-00	5.9632E-01	2.8129E-00	2.0285E-00	1.3866E-00	8.9590E-01	1.8863E+02
1.9000E+01	4.3020E+01	1.6152E-00	5.8556E-01	2.9612E-00	2.0943E-00	1.4139E-00	8.8093E-01	2.1754E+02
2.0000E+01	4.4340E+01	1.5685E-00	5.7427E-01	3.1159E-00	2.1605E-00	1.4421E-00	8.6500E-01	2.4885E+02
2.1000E+01	4.5720E+01	1.5205E-00	5.6232E-01	3.2777E-00	2.2275E-00	1.4714E-00	8.4809E-01	2.8273E+02
2.2000E+01	4.7170E+01	1.4711E-00	5.4962E-01	3.4476E-00	2.2953E-00	1.5019E-00	8.3019E-01	3.1932E+02
2.3000E+01	4.8720E+01	1.4187E-00	5.3574E-01	3.6284E-00	2.3649E-00	1.5342E-00	8.1109E-01	3.5928E+02
2.4000E+01	5.0370E+01	1.3643E-00	5.2086E-01	3.8194E-00	2.4356E-00	1.5681E-00	7.9094E-01	4.0245E+02
2.5000E+01	5.2170E+01	1.3062E-00	5.0440E-01	4.0255E-00	2.5089E-00	1.6044E-00	7.6938E-01	4.4987E+02
2.6000E+01	5.4180E+01	1.2427E-00	4.8579E-01	4.2516E-00	2.5859E-00	1.6441E-00	7.4602E-01	5.0277E+02
2.7000E+01	5.6540E+01	1.1702E-00	4.6368E-01	4.5105E-00	2.6700E-00	1.6873E-00	7.1982E-01	5.6413E+02
2.8000E+01	5.9660E+01	1.0777E-00	4.3417E-01	4.8365E-00	2.7708E-00	1.7462E-00	6.8756E-01	6.4280E+02
2.8682E+01	6.4709E+01	9.3706E-01	3.8650E-01	5.3268E-00	2.9099E-00	1.8335E-00	6.4187E-01	7.6081E+02

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 2.45$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{sec^2 - c_R}$
0.0000E-99	2.4090E+01	2.4500E-00	7.3860E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	0.0000E-99
1.0000E-00	2.4820E+01	2.4082E-00	7.3281E-01	1.0672E-00	1.0476E-00	1.0187E-00	9.9997E-01	4.7359E-02
2.0000E-00	2.5570E+01	2.3673E-00	7.2677E-01	1.1379E-00	1.0966E-00	1.0376E-00	9.9978E-01	3.7662E-01
3.0000E-00	2.6350E+01	2.3254E-00	7.2082E-01	1.2129E-00	1.1476E-00	1.0569E-00	9.9926E-01	1.2582E-00
4.0000E-00	2.7140E+01	2.2859E-00	7.1486E-01	1.2905E-00	1.1992E-00	1.0761E-00	9.9831E-01	2.9006E-00
5.0000E-00	2.7960E+01	2.2454E-00	7.0858E-01	1.3727E-00	1.2527E-00	1.0957E-00	9.9676E-01	5.5542E-00
6.0000E-00	2.8810E+01	2.2040E-00	7.0198E-01	1.4596E-00	1.3080E-00	1.1158E-00	9.9451E-01	9.4392E-00
7.0000E-00	2.9670E+01	2.1647E-00	6.9555E-01	1.5492E-00	1.3637E-00	1.1359E-00	9.9151E-01	1.4623E+01
8.0000E-00	3.0560E+01	2.1244E-00	6.8878E-01	1.6436E-00	1.4210E-00	1.1566E-00	9.8762E-01	2.1360E+01
9.0000E-00	3.1480E+01	2.0834E-00	6.8169E-01	1.7429E-00	1.4797E-00	1.1778E-00	9.8277E-01	2.9810E+01
1.0000E+01	3.2420E+01	2.0430E-00	6.7451E-01	1.8461E-00	1.5392E-00	1.1994E-00	9.7696E-01	3.9992E+01
1.1000E+01	3.3390E+01	2.0018E-00	6.6700E-01	1.9543E-00	1.5998E-00	1.2215E-00	9.7009E-01	5.2104E+01
1.2000E+01	3.4390E+01	1.9600E-00	6.5917E-01	2.0674E-00	1.6615E-00	1.2442E-00	9.6213E-01	6.6238E+01
1.3000E+01	3.5420E+01	1.9178E-00	6.5103E-01	2.1855E-00	1.7241E-00	1.2676E-00	9.5308E-01	8.2464E+01
1.4000E+01	3.6470E+01	1.8763E-00	6.4280E-01	2.3075E-00	1.7869E-00	1.2913E-00	9.4303E-01	1.0064E+02
1.5000E+01	3.7560E+01	1.8334E-00	6.3404E-01	2.4356E-00	1.8509E-00	1.3158E-00	9.3183E-01	1.2115E+02
1.6000E+01	3.8690E+01	1.7892E-00	6.2478E-01	2.5697E-00	1.9158E-00	1.3413E-00	9.1949E-01	1.4402E+02
1.7000E+01	3.9850E+01	1.7452E-00	6.1527E-01	2.7087E-00	1.9810E-00	1.3673E-00	9.0618E-01	1.6904E+02
1.8000E+01	4.1050E+01	1.7003E-00	6.0529E-01	2.8535E-00	2.0467E-00	1.3941E-00	8.9184E-01	1.9642E+02
1.9000E+01	4.2290E+01	1.6549E-00	5.9490E-01	3.0040E-00	2.1128E-00	1.4217E-00	8.7655E-01	2.2609E+02
2.0000E+01	4.3590E+01	1.6075E-00	5.8373E-01	3.1625E-00	2.1800E-00	1.4506E-00	8.6015E-01	2.5850E+02
2.1000E+01	4.4940E+01	1.5594E-00	5.7204E-01	3.3274E-00	2.2476E-00	1.4804E-00	8.4287E-01	2.9333E+02
2.2000E+01	4.6360E+01	1.5095E-00	5.5952E-01	3.5009E-00	2.3161E-00	1.5115E-00	8.2456E-01	3.3102E+02
2.3000E+01	4.7850E+01	1.4583E-00	5.4628E-01	3.6825E-00	2.3852E-00	1.5438E-00	8.0537E-01	3.7142E+02
2.4000E+01	4.9450E+01	1.4039E-00	5.3172E-01	3.8765E-00	2.4562E-00	1.5782E-00	7.8495E-01	4.1549E+02
2.5000E+01	5.1160E+01	1.3472E-00	5.1608E-01	4.0819E-00	2.5284E-00	1.6144E-00	7.6352E-01	4.6299E+02
2.6000E+01	5.3050E+01	1.2857E-00	4.9848E-01	4.3058E-00	2.6038E-00	1.6536E-00	7.4049E-01	5.1554E+02
2.7000E+01	5.5190E+01	1.2179E-00	4.7834E-01	4.5541E-00	2.6837E-00	1.6969E-00	7.1546E-01	5.7455E+02
2.8000E+01	5.7780E+01	1.1384E-00	4.5372E-01	4.8455E-00	2.7728E-00	1.7474E-00	6.8690E-01	6.4445E+02
2.9000E+01	6.1730E+01	1.0224E-00	4.1585E-01	5.2653E-00	2.8931E-00	1.8199E-00	6.4746E-01	7.4591E+02
2.9253E+01	6.4744E+01	9.3865E-01	3.8705E-01	5.5614E-00	2.9726E-00	1.8708E-00	6.2095E-01	8.1767E+02

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 2.50$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{\text{ft}^2}$ $\frac{\text{sec}^2}{\text{sec}^2 \cdot ^\circ \text{R}}$
.0000E-99	2.3578E+01	2.5000E-00	7.4536E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	2.4300E+01	2.4580E-00	7.3972E-01	1.0681E-00	1.0481E-00	1.0120E-00	9.9977E-01	4.9933E-02
2.0000E-00	2.5050E+01	2.4154E-00	7.3382E-01	1.1405E-00	1.0984E-00	1.0383E-00	9.9976E-01	3.9755E-01
3.0000E-00	2.5820E+01	2.3735E-00	7.2787E-01	1.2165E-00	1.1500E-00	1.0578E-00	9.9923E-01	1.3172E-00
4.0000E-00	2.6610E+01	2.3324E-00	7.2186E-01	1.2962E-00	1.2030E-00	1.0775E-00	9.9822E-01	3.0538E-00
5.0000E-00	2.7420E+01	2.2919E-00	7.1578E-01	1.3796E-00	1.2572E-00	1.0973E-00	9.9661E-01	5.8227E-00
6.0000E-00	2.8260E+01	2.2504E-00	7.0937E-01	1.4679E-00	1.3133E-00	1.1177E-00	9.9426E-01	9.8697E-00
7.0000E-00	2.9120E+01	2.2095E-00	7.0288E-01	1.5601E-00	1.3704E-00	1.1384E-00	9.9110E-01	1.5333E+01
8.0000E-00	3.0010E+01	2.1677E-00	6.9605E-01	1.6573E-00	1.4272E-00	1.1596E-00	9.8700E-01	2.2442E+01
9.0000E-00	3.0920E+01	2.1266E-00	6.8914E-01	1.7585E-00	1.4888E-00	1.1811E-00	9.8194E-01	3.1258E+01
1.0000E+01	3.1850E+01	2.0859E-00	6.8214E-01	1.8638E-00	1.5492E-00	1.2030E-00	9.7589E-01	4.1870E+01
1.1000E+01	3.2810E+01	2.0445E-00	6.7479E-01	1.9742E-00	1.6108E-00	1.2255E-00	9.6874E-01	5.4487E+01
1.2000E+01	3.3800E+01	2.0024E-00	6.6711E-01	2.0898E-00	1.6735E-00	1.2487E-00	9.6047E-01	6.9205E+01
1.3000E+01	3.4820E+01	1.9596E-00	6.5910E-01	2.2107E-00	1.7372E-00	1.2725E-00	9.5106E-01	8.6026E+01
1.4000E+01	3.5870E+01	1.9164E-00	6.5076E-01	2.3368E-00	1.8017E-00	1.2969E-00	9.4053E-01	1.0520E+02
1.5000E+01	3.6950E+01	1.8729E-00	6.4211E-01	2.4681E-00	1.8668E-00	1.3220E-00	9.2889E-01	1.2656E+02
1.6000E+01	3.8060E+01	1.8291E-00	6.3315E-01	2.6045E-00	1.9323E-00	1.3478E-00	9.1621E-01	1.5016E+02
1.7000E+01	3.9200E+01	1.7852E-00	6.2391E-01	2.7460E-00	1.9982E-00	1.3742E-00	9.0252E-01	1.7599E+02
1.8000E+01	4.0390E+01	1.7392E-00	6.1396E-01	2.8950E-00	2.0652E-00	1.4018E-00	8.8766E-01	2.0447E+02
1.9000E+01	4.1620E+01	1.6927E-00	6.0357E-01	3.0500E-00	2.1326E-00	1.4301E-00	8.7182E-01	2.3537E+02
2.0000E+01	4.2890E+01	1.6457E-00	5.9276E-01	3.2108E-00	2.2001E-00	1.4593E-00	8.5510E-01	2.6860E+02
2.1000E+01	4.4220E+01	1.5970E-00	5.8119E-01	3.3799E-00	2.2686E-00	1.4898E-00	8.3734E-01	3.0462E+02
2.2000E+01	4.5600E+01	1.5476E-00	5.6911E-01	3.5555E-00	2.3371E-00	1.5212E-00	8.1879E-01	3.4306E+02
2.3000E+01	4.7060E+01	1.4959E-00	5.5604E-01	3.7411E-00	2.4069E-00	1.5542E-00	7.9919E-01	3.8464E+02
2.4000E+01	4.8600E+01	1.4425E-00	5.4210E-01	3.9361E-00	2.4774E-00	1.5887E-00	7.7871E-01	4.2919E+02
2.5000E+01	5.0250E+01	1.3863E-00	5.2692E-01	4.1435E-00	2.5495E-00	1.6252E-00	7.5714E-01	4.7739E+02
2.6000E+01	5.2040E+01	1.3266E-00	5.1023E-01	4.3661E-00	2.6236E-00	1.6641E-00	7.3436E-01	5.2981E+02
2.7000E+01	5.4030E+01	1.2617E-00	4.9143E-01	4.6094E-00	2.7010E-00	1.7065E-00	7.0997E-01	5.8776E+02
2.8000E+01	5.6340E+01	1.1885E-00	4.6934E-01	4.8849E-00	2.7845E-00	1.7543E-00	6.8311E-01	6.5395E+02
2.9000E+01	5.9310E+01	1.0976E-00	4.4065E-01	5.2255E-00	2.8821E-00	1.8130E-00	6.5111E-01	7.3627E+02
2.9798E+01	6.4782E+01	9.4023E-01	3.8761E-01	5.8013E-00	3.0342E-00	1.9119E-00	6.0027E-01	8.7578E+02

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 2.55$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{\frac{r t^2}{\sec^2 - \alpha_R}}$
.0000E-99	2.3089E+01	2.5500E-00	7.5186E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	2.3810E+01	2.5063E-00	7.4619E-01	1.0697E-00	1.0493E-00	1.0194E-00	9.9996E-01	5.3022E-02
2.0000E-00	2.4550E+01	2.4638E-00	7.4051E-01	1.1429E-00	1.1000E-00	1.0389E-00	9.9975E-01	4.1693E-01
3.0000E-00	2.5310E+01	2.4222E-00	7.3477E-01	1.2198E-00	1.1522E-00	1.0586E-00	9.9920E-01	1.3724E-00
4.0000E-00	2.6100E+01	2.3794E-00	7.2871E-01	1.3016E-00	1.2065E-00	1.0788E-00	9.9813E-01	3.2014E-00
5.0000E-00	2.6910E+01	2.3373E-00	7.2259E-01	1.3872E-00	1.2621E-00	1.0991E-00	9.9643E-01	6.1256E-00
6.0000E-00	2.7740E+01	2.2959E-00	7.1639E-01	1.4769E-00	1.3189E-00	1.1197E-00	9.9398E-01	1.0345E+01
7.0000E-00	2.8590E+01	2.2551E-00	7.1010E-01	1.5705E-00	1.3768E-00	1.1407E-00	9.9070E-01	1.6031E+01
8.0000E-00	2.9470E+01	2.2133E-00	7.0348E-01	1.6694E-00	1.4364E-00	1.1622E-00	9.8644E-01	2.3422E+01
9.0000E-00	3.0380E+01	2.1705E-00	6.9651E-01	1.7736E-00	1.4976E-00	1.1843E-00	9.8113E-01	3.2689E+01
1.0000E+01	3.1310E+01	2.1283E-00	6.8945E-01	1.8820E-00	1.5595E-00	1.2068E-00	9.7476E-01	4.3852E+01
1.1000E+01	3.2260E+01	2.0868E-00	6.8228E-01	1.9946E-00	1.6220E-00	1.2296E-00	9.6733E-01	5.6982E+01
1.2000E+01	3.3240E+01	2.0444E-00	6.7477E-01	2.1127E-00	1.6857E-00	1.2532E-00	9.5874E-01	7.2290E+01
1.3000E+01	3.4250E+01	2.0013E-00	6.6691E-01	2.2362E-00	1.7505E-00	1.2775E-00	9.4898E-01	8.9850E+01
1.4000E+01	3.5290E+01	1.9576E-00	6.5871E-01	2.3652E-00	1.8160E-00	1.3024E-00	9.3806E-01	1.0971E+02
1.5000E+01	3.6360E+01	1.9135E-00	6.5017E-01	2.4997E-00	1.8822E-00	1.3280E-00	9.2600E-01	1.3191E+02
1.6000E+01	3.7460E+01	1.8690E-00	6.4132E-01	2.6396E-00	1.9488E-00	1.3544E-00	9.1286E-01	1.5644E+02
1.7000E+01	3.8600E+01	1.8232E-00	6.3194E-01	2.7861E-00	2.0164E-00	1.3816E-00	8.9857E-01	1.8352E+02
1.8000E+01	3.9770E+01	1.7775E-00	6.2227E-01	2.9378E-00	2.0840E-00	1.4096E-00	8.8332E-01	2.1289E+02
1.9000E+01	4.0980E+01	1.7309E-00	6.1211E-01	3.0959E-00	2.1521E-00	1.4385E-00	8.6707E-01	2.4474E+02
2.0000E+01	4.2240E+01	1.6827E-00	6.0130E-01	3.2615E-00	2.2209E-00	1.4685E-00	8.4979E-01	2.7929E+02
2.1000E+01	4.3540E+01	1.6343E-00	5.9009E-01	3.4332E-00	2.2897E-00	1.4994E-00	8.3171E-01	3.1619E+02
2.2000E+01	4.4900E+01	1.5843E-00	5.7812E-01	3.6132E-00	2.3591E-00	1.5315E-00	8.1269E-01	3.5589E+02
2.3000E+01	4.6320E+01	1.5331E-00	5.6548E-01	3.8011E-00	2.4290E-00	1.5649E-00	7.9286E-01	3.9827E+02
2.4000E+01	4.7820E+01	1.4797E-00	5.5187E-01	3.9922E-00	2.4997E-00	1.5998E-00	7.7212E-01	4.4378E+02
2.5000E+01	4.9420E+01	1.4237E-00	5.3709E-01	4.2093E-00	2.5717E-00	1.6367E-00	7.5036E-01	4.9282E+02
2.6000E+01	5.1130E+01	1.3654E-00	5.2116E-01	4.4319E-00	2.6449E-00	1.6756E-00	7.2771E-01	5.4542E+02
2.7000E+01	5.3010E+01	1.3025E-00	5.0333E-01	4.6732E-00	2.7207E-00	1.7176E-00	7.0368E-01	6.0305E+02
2.8000E+01	5.5130E+01	1.2334E-00	4.8299E-01	4.9399E-00	2.8007E-00	1.7638E-00	6.7785E-01	6.6722E+02
2.9000E+01	5.7690E+01	1.1523E-00	4.5809E-01	5.2522E-00	2.8895E-00	1.8177E-00	6.4866E-01	7.4275E+02
3.0000E+01	6.1450E+01	1.0384E-00	4.2120E-01	5.6808E-00	3.0051E-00	1.8923E-00	6.1005E-01	8.4804E+02
3.0317E+01	6.4823E+01	9.4174E-01	3.8814E-01	6.0466E-00	3.0946E-00	1.9539E-00	5.7988E-01	9.3508E+02

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 2.60$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{R}$
.0000E-99	2.2620E+01	2.6000E-00	7.5817E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	2.3340E+01	2.5547E-00	7.5248E-01	1.0712E-00	1.0503E-00	1.0198E-00	9.9996E-01	5.6283E-02
2.0000E-00	2.4070E+01	2.5126E-00	7.4702E-01	1.1452E-00	1.1016E-00	1.0395E-00	9.9974E-01	4.3598E-01
3.0000E-00	2.4830E+01	2.4692E-00	7.4124E-01	1.2240E-00	1.1550E-00	1.0597E-00	9.9915E-01	1.4451E-00
4.0000E-00	2.5610E+01	2.4267E-00	7.3540E-01	1.3068E-00	1.2099E-00	1.0800E-00	9.9805E-01	3.3494E-00
5.0000E-00	2.6420E+01	2.3830E-00	7.2923E-01	1.3947E-00	1.2668E-00	1.1008E-00	9.9625E-01	6.4304E-00
6.0000E-00	2.7240E+01	2.3418E-00	7.2324E-01	1.4856E-00	1.3243E-00	1.1217E-00	9.9371E-01	1.0819E+01
7.0000E-00	2.8090E+01	2.2995E-00	7.1693E-01	1.5818E-00	1.3837E-00	1.1431E-00	9.9025E-01	1.6804E+01
8.0000E-00	2.8970E+01	2.2562E-00	7.1027E-01	1.6835E-00	1.4447E-00	1.1652E-00	9.8577E-01	2.4586E+01
9.0000E-00	2.9870E+01	2.2135E-00	7.0351E-01	1.7895E-00	1.5067E-00	1.1876E-00	9.8024E-01	3.4230E+01
1.0000E+01	3.0790E+01	2.1713E-00	6.9665E-01	1.8999E-00	1.5695E-00	1.2104E-00	9.7364E-01	4.5835E+01
1.1000E+01	3.1740E+01	2.1282E-00	6.8943E-01	2.0159E-00	1.6336E-00	1.2339E-00	9.6584E-01	5.7625E+01
1.2000E+01	3.2710E+01	2.0857E-00	6.8210E-01	2.1363E-00	1.6983E-00	1.2579E-00	9.5693E-01	7.5533E+01
1.3000E+01	3.3720E+01	2.0410E-00	6.7416E-01	2.2638E-00	1.7646E-00	1.2828E-00	9.4671E-01	9.3965E+01
1.4000E+01	3.4750E+01	1.9970E-00	6.6612E-01	2.3956E-00	1.8311E-00	1.3082E-00	9.3539E-01	1.1460E+02
1.5000E+01	3.5810E+01	1.9525E-00	6.5774E-01	2.5332E-00	1.8984E-00	1.3344E-00	9.2291E-01	1.3766E+02
1.6000E+01	3.6900E+01	1.9075E-00	6.4901E-01	2.6765E-00	1.9661E-00	1.3613E-00	9.0931E-01	1.6313E+02
1.7000E+01	3.8030E+01	1.8611E-00	6.3973E-01	2.8267E-00	2.0347E-00	1.3892E-00	8.9453E-01	1.9125E+02
1.8000E+01	3.9190E+01	1.8146E-00	6.3014E-01	2.9824E-00	2.1034E-00	1.4178E-00	8.7877E-01	2.2175E+02
1.9000E+01	4.0380E+01	1.7682E-00	6.2027E-01	3.1434E-00	2.1721E-00	1.4471E-00	8.6213E-01	2.5454E+02
2.0000E+01	4.1620E+01	1.7199E-00	6.0969E-01	3.3125E-00	2.2416E-00	1.4777E-00	8.4444E-01	2.9013E+02
2.1000E+01	4.2910E+01	1.6703E-00	5.9846E-01	3.4892E-00	2.3116E-00	1.5094E-00	8.2580E-01	3.2844E+02
2.2000E+01	4.4240E+01	1.6206E-00	5.8685E-01	3.6720E-00	2.3813E-00	1.5420E-00	8.0647E-01	3.6907E+02
2.3000E+01	4.5640E+01	1.5686E-00	5.7430E-01	3.8647E-00	2.4520E-00	1.5761E-00	7.8618E-01	4.1280E+02
2.4000E+01	4.7100E+01	1.5158E-00	5.6111E-01	4.0654E-00	2.5227E-00	1.6115E-00	7.6523E-01	4.5916E+02
2.5000E+01	4.8650E+01	1.4604E-00	5.4682E-01	4.2777E-00	2.5945E-00	1.6487E-00	7.4336E-01	5.0891E+02
2.6000E+01	5.0310E+01	1.4021E-00	5.3124E-01	4.5034E-00	2.6677E-00	1.6880E-00	7.2053E-01	5.6244E+02
2.7000E+01	5.2100E+01	1.3408E-00	5.1427E-01	4.7440E-00	2.7423E-00	1.7298E-00	6.9675E-01	6.2003E+02
2.8000E+01	5.4090E+01	1.2742E-00	4.9510E-01	5.0070E-00	2.8202E-00	1.7754E-00	6.7148E-01	6.8341E+02
2.9000E+01	5.6390E+01	1.1994E-00	4.7268E-01	5.3035E-00	2.9036E-00	1.8265E-00	6.4399E-01	7.5516E+02
3.0000E+01	5.9350E+01	1.1062E-00	4.4343E-01	5.6703E-00	3.0009E-00	1.8895E-00	6.1147E-01	8.4406E+02
3.0814E+01	6.4865E+01	9.4329E-01	3.8868E-01	6.2971E-00	3.1538E-00	1.9966E-00	5.5984E-01	9.9544E+02

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 2.65$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{sec^2 - ^\circ R}$
.0000E-99	2.2170E+01	2.6500E-00	7.6427E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	2.2880E+01	2.6051E-00	7.5881E-01	1.0718E-00	1.0507E-00	1.0200E-00	9.9996E-01	5.7827E-02
2.0000E-00	2.3610E+01	2.5612E-00	7.5331E-01	1.1475E-00	1.1032E-00	1.0401E-00	9.9973E-01	4.5519E-01
3.0000E-00	2.4370E+01	2.5162E-00	7.4749E-01	1.2282E-00	1.1579E-00	1.0607E-00	9.9911E-01	1.5197E-00
4.0000E-00	2.5140E+01	2.4740E-00	7.4189E-01	1.3120E-00	1.2133E-00	1.0813E-00	9.9796E-01	3.4992E-00
5.0000E-00	2.5940E+01	2.4307E-00	7.3595E-01	1.4010E-00	1.2709E-00	1.1023E-00	9.9610E-01	6.6942E-00
6.0000E-00	2.6770E+01	2.3861E-00	7.2968E-01	1.4954E-00	1.3304E-00	1.1239E-00	9.9339E-01	1.1365E+01
7.0000E-00	2.7610E+01	2.3441E-00	7.2359E-01	1.5930E-00	1.3905E-00	1.1456E-00	9.8980E-01	1.7589E+01
8.0000E-00	2.8480E+01	2.3010E-00	7.1715E-01	1.6963E-00	1.4523E-00	1.1679E-00	9.8515E-01	2.5668E+01
9.0000E-00	2.9380E+01	2.2567E-00	7.1035E-01	1.8052E-00	1.5158E-00	1.1909E-00	9.7935E-01	3.5791E+01
1.0000E+01	3.0300E+01	2.2131E-00	7.0345E-01	1.9188E-00	1.5801E-00	1.2143E-00	9.7242E-01	4.7975E+01
1.1000E+01	3.1240E+01	2.1701E-00	6.9644E-01	2.0369E-00	1.6451E-00	1.2381E-00	9.6434E-01	6.2294E+01
1.2000E+01	3.2210E+01	2.1261E-00	6.8906E-01	2.1610E-00	1.7113E-00	1.2627E-00	9.5501E-01	7.8979E+01
1.3000E+01	3.3210E+01	2.0812E-00	6.8131E-01	2.2910E-00	1.7786E-00	1.2881E-00	9.4442E-01	9.8110E+01
1.4000E+01	3.4230E+01	2.0371E-00	6.7345E-01	2.4257E-00	1.8460E-00	1.3140E-00	9.3271E-01	1.1952E+02
1.5000E+01	3.5290E+01	1.9909E-00	6.6498E-01	2.5677E-00	1.9149E-00	1.3409E-00	9.1968E-01	1.4366E+02
1.6000E+01	3.6370E+01	1.9455E-00	6.5640E-01	2.7143E-00	1.9836E-00	1.3683E-00	9.0563E-01	1.7008E+02
1.7000E+01	3.7480E+01	1.8998E-00	6.4748E-01	2.8667E-00	2.0526E-00	1.3966E-00	8.9051E-01	1.9898E+02
1.8000E+01	3.8630E+01	1.8526E-00	6.3799E-01	3.0264E-00	2.1224E-00	1.4258E-00	8.7425E-01	2.3059E+02
1.9000E+01	3.9820E+01	1.8043E-00	6.2796E-01	3.1931E-00	2.1928E-00	1.4561E-00	8.5696E-01	2.6488E+02
2.0000E+01	4.1040E+01	1.7561E-00	6.1766E-01	3.3653E-00	2.2628E-00	1.4872E-00	8.3888E-01	3.0147E+02
2.1000E+01	4.2310E+01	1.7064E-00	6.0666E-01	3.5457E-00	2.3334E-00	1.5195E-00	8.1983E-01	3.4089E+02
2.2000E+01	4.3630E+01	1.6555E-00	5.9503E-01	3.7339E-00	2.4043E-00	1.5530E-00	7.9994E-01	3.8302E+02
2.3000E+01	4.5000E+01	1.6038E-00	5.8282E-01	3.9298E-00	2.4752E-00	1.5876E-00	7.7937E-01	4.2774E+02
2.4000E+01	4.6430E+01	1.5509E-00	5.6992E-01	4.1341E-00	2.5463E-00	1.6235E-00	7.5811E-01	4.7519E+02
2.5000E+01	4.7950E+01	1.4950E-00	5.5581E-01	4.3508E-00	2.6186E-00	1.6615E-00	7.3591E-01	5.2620E+02
2.6000E+01	4.9550E+01	1.4379E-00	5.4088E-01	4.5776E-00	2.6911E-00	1.7010E-00	7.1312E-01	5.8017E+02
2.7000E+01	5.1280E+01	1.3771E-00	5.2439E-01	4.8206E-00	2.7654E-00	1.7431E-00	6.8931E-01	6.3846E+02
2.8000E+01	5.3170E+01	1.3122E-00	5.0614E-01	5.0822E-00	2.8418E-00	1.7884E-00	6.6440E-01	7.0160E+02
2.9000E+01	5.5300E+01	1.2411E-00	4.8532E-01	5.3711E-00	2.9220E-00	1.8381E-00	6.3787E-01	7.7154E+02
3.0000E+01	5.7880E+01	1.1574E-00	4.5969E-01	5.7101E-00	3.0111E-00	1.8963E-00	6.0805E-01	8.5369E+02
3.1000E+01	6.1720E+01	1.0383E-00	4.2118E-01	6.1872E-00	3.1281E-00	1.9779E-00	5.6854E-01	9.6898E+02
3.1287E+01	6.4910E+01	9.4473E-01	3.8918E-01	6.5530E-00	3.2118E-00	2.0402E+00	5.4016E-01	1.0568E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 2.70$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{\text{ft}^2 \text{ sec}^2 - O_R}$
.0000E-99	2.1738E+01	2.7000E-00	7.7018E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	2.2450E+01	2.6529E-00	7.6463E-01	1.0736E-00	1.0520E-00	1.0205E-00	9.9996E-01	6.2460E-02
2.0000E-00	2.3170E+01	2.6096E-00	7.5936E-01	1.1500E-00	1.1048E-00	1.0408E-00	9.9972E-01	4.7698E-01
3.0000E-00	2.3920E+01	2.5650E-00	7.5379E-01	1.2315E-00	1.1600E-00	1.0615E-00	9.9908E-01	1.5791E-00
4.0000E-00	2.4700E+01	2.5192E-00	7.4789E-01	1.3184E-00	1.2175E-00	1.0828E-00	9.9785E-01	3.6912E-00
5.0000E-00	2.5490E+01	2.4763E-00	7.4219E-01	1.4084E-00	1.2756E-00	1.1041E-00	9.9591E-01	7.0162E-00
6.0000E-00	2.6310E+01	2.4322E-00	7.3616E-01	1.5041E-00	1.3359E-00	1.1259E-00	9.9310E-01	1.1864E+01
7.0000E-00	2.7150E+01	2.3887E-00	7.3005E-01	1.6043E-00	1.3973E-00	1.1481E-00	9.8933E-01	1.8396E+01
8.0000E-00	2.8020E+01	2.3441E-00	7.2358E-01	1.7103E-00	1.4606E-00	1.1709E-00	9.8445E-01	2.6881E+01
9.0000E-00	2.8910E+01	2.3001E-00	7.1701E-01	1.8210E-00	1.5248E-00	1.1942E-00	9.7844E-01	3.7385E+01
1.0000E+01	2.9820E+01	2.2566E-00	7.1034E-01	1.9364E-00	1.5899E-00	1.2179E-00	9.7127E-01	5.0012E+01
1.1000E+01	3.0760E+01	2.2121E-00	7.0329E-01	2.0580E-00	1.6565E-00	1.2423E-00	9.6282E-01	6.5007E+01
1.2000E+01	3.1730E+01	2.1666E-00	6.9587E-01	2.1857E-00	1.7242E-00	1.2676E-00	9.5306E-01	8.2483E+01
1.3000E+01	3.2720E+01	2.1217E-00	6.8832E-01	2.3183E-00	1.7924E-00	1.2933E-00	9.4212E-01	1.0231E+02
1.4000E+01	3.3740E+01	2.0760E-00	6.8040E-01	2.4571E-00	1.8614E-00	1.3199E-00	9.2989E-01	1.2471E+02
1.5000E+01	3.4790E+01	2.0296E-00	6.7211E-01	2.6021E-00	1.9312E-00	1.3473E-00	9.1644E-01	1.4973E+02
1.6000E+01	3.5860E+01	1.9840E-00	6.6369E-01	2.7519E-00	2.0009E-00	1.3753E-00	9.0194E-01	1.7709E+02
1.7000E+01	3.6970E+01	1.9366E-00	6.5467E-01	2.9094E-00	2.0715E-00	1.4044E-00	8.8620E-01	2.0729E+02
1.8000E+01	3.8110E+01	1.8888E-00	6.4531E-01	3.0729E-00	2.1423E-00	1.4343E-00	8.6946E-01	2.4003E+02
1.9000E+01	3.9280E+01	1.8410E-00	6.3562E-01	3.2423E-00	2.2131E-00	1.4650E-00	8.5180E-01	2.7523E+02
2.0000E+01	4.0500E+01	1.7910E-00	6.2516E-01	3.4206E-00	2.2847E-00	1.4971E-00	8.3305E-01	3.1344E+02
2.1000E+01	4.1750E+01	1.7414E-00	6.1443E-01	3.6044E-00	2.3558E-00	1.5299E-00	8.1362E-01	3.5393E+02
2.2000E+01	4.3050E+01	1.6903E-00	6.0302E-01	3.7966E-00	2.4273E-00	1.5641E-00	7.9335E-01	3.9723E+02
2.3000E+01	4.4400E+01	1.6382E-00	5.9099E-01	3.9967E-00	2.4988E-00	1.5994E-00	7.7237E-01	4.4321E+02
2.4000E+01	4.5810E+01	1.5846E-00	5.7821E-01	4.2060E-00	2.5706E-00	1.6361E-00	7.5070E-01	4.9204E+02
2.5000E+01	4.7290E+01	1.5294E-00	5.6456E-01	4.4254E-00	2.6428E-00	1.6745E-00	7.2837E-01	5.4387E+02
2.6000E+01	4.8850E+01	1.4724E-00	5.4998E-01	4.6556E-00	2.7153E-00	1.7145E-00	7.0541E-01	5.9882E+02
2.7000E+01	5.0520E+01	1.4125E-00	5.3407E-01	4.9001E-00	2.7890E-00	1.7569E-00	6.8165E-01	6.5762E+02
2.8000E+01	5.2330E+01	1.3490E-00	5.1656E-01	5.1620E-00	2.8643E-00	1.8021E-00	6.5697E-01	7.2090E+02
2.9000E+01	5.4350E+01	1.2795E-00	4.9667E-01	5.4492E-00	2.9430E-00	1.8515E-00	6.3087E-01	7.9048E+02
3.0000E+01	5.6690E+01	1.2016E-00	4.7336E-01	5.7733E-00	3.0271E-00	1.9071E-00	6.0265E-01	8.6900E+02
3.1000E+01	5.9730E+01	1.1039E-00	4.4269E-01	6.1772E-00	3.1257E-00	1.9762E-00	5.6933E-01	9.6659E+02
3.1740E+01	6.4956E+01	9.4616E-01	3.8968E-01	6.8142E-00	3.2686E-00	2.0847E-00	5.2089E-01	1.1191E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 2.75$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{P_2}{P_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2}$ sec ² -°R
.0000E-99	2.1324E+01	2.7500E-00	7.7587E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	2.2030E+01	2.7023E-00	7.7044E-01	1.0746E-00	1.0527E-00	1.0207E-00	9.9996E-01	6.4519E-02
2.0000E-00	2.2750E+01	2.6574E-00	7.6515E-01	1.1527E-00	1.1067E-00	1.0415E-00	9.9970E-01	5.0237E-01
3.0000E-00	2.3500E+01	2.6111E-00	7.5955E-01	1.2361E-00	1.1631E-00	1.0627E-00	9.9902E-01	1.6664E-00
4.0000E-00	2.4270E+01	2.5659E-00	7.5390E-01	1.3239E-00	1.2211E-00	1.0841E-00	9.9775E-01	3.8628E-00
5.0000E-00	2.5060E+01	2.5215E-00	7.4819E-01	1.4162E-00	1.2806E-00	1.1058E-00	9.9572E-01	7.3585E-00
6.0000E-00	2.5870E+01	2.4779E-00	7.4241E-01	1.5130E-00	1.3414E-00	1.1279E-00	9.9280E-01	1.2386E+01
7.0000E-00	2.6710E+01	2.4330E-00	7.3628E-01	1.6158E-00	1.4042E-00	1.1506E-00	9.8885E-01	1.9238E+01
8.0000E-00	2.7580E+01	2.3869E-00	7.2979E-01	1.7245E-00	1.4690E-00	1.1739E-00	9.8373E-01	2.8142E+01
9.0000E-00	2.8460E+01	2.3433E-00	7.2346E-01	1.8369E-00	1.5339E-00	1.1975E-00	9.7751E-01	3.9030E+01
1.0000E+01	2.9370E+01	2.2984E-00	7.1677E-01	1.9555E-00	1.6005E-00	1.2218E-00	9.7000E-01	5.2257E+01
1.1000E+01	3.0310E+01	2.2525E-00	7.0969E-01	2.0805E-00	1.6686E-00	1.2468E-00	9.6116E-01	6.7965E+01
1.2000E+01	3.1270E+01	2.2072E-00	7.0249E-01	2.2105E-00	1.7371E-00	1.2724E-00	9.5107E-01	8.6070E+01
1.3000E+01	3.2260E+01	2.1608E-00	6.9491E-01	2.3470E-00	1.8068E-00	1.2989E-00	9.3965E-01	1.0681E+02
1.4000E+01	3.3270E+01	2.1151E-00	6.8719E-01	2.4885E-00	1.8768E-00	1.3259E-00	9.2703E-01	1.3001E+02
1.5000E+01	3.4310E+01	2.0686E-00	6.7909E-01	2.6365E-00	1.9474E-00	1.3538E-00	9.1315E-01	1.5589E+02
1.6000E+01	3.5380E+01	2.0214E-00	6.7060E-01	2.7911E-00	2.0187E-00	1.3826E-00	8.9807E-01	1.8447E+02
1.7000E+01	3.6480E+01	1.9736E-00	6.6174E-01	2.9520E-00	2.0902E-00	1.4122E-00	8.8187E-01	2.1571E+02
1.8000E+01	3.7610E+01	1.9255E-00	6.5252E-01	3.1193E-00	2.1620E-00	1.4428E-00	8.6464E-01	2.4956E+02
1.9000E+01	3.8780E+01	1.8759E-00	6.4271E-01	3.2944E-00	2.2343E-00	1.4744E-00	8.4633E-01	2.8629E+02
2.0000E+01	3.9980E+01	1.8263E-00	6.3258E-01	3.4757E-00	2.3063E-00	1.5070E-00	8.2722E-01	3.2547E+02
2.1000E+01	4.1220E+01	1.7759E-00	6.2192E-01	3.6644E-00	2.3784E-00	1.5406E-00	8.0728E-01	3.6734E+02
2.2000E+01	4.2500E+01	1.7248E-00	6.1077E-01	3.8603E-00	2.4504E-00	1.5753E-00	7.8665E-01	4.1178E+02
2.3000E+01	4.3840E+01	1.6715E-00	5.9874E-01	4.0662E-00	2.5230E-00	1.6116E-00	7.6515E-01	4.5933E+02
2.4000E+01	4.5230E+01	1.6175E-00	5.8612E-01	4.2802E-00	2.5954E-00	1.6491E-00	7.4310E-01	5.0950E+02
2.5000E+01	4.6680E+01	1.5624E-00	5.7278E-01	4.5033E-00	2.6677E-00	1.6880E-00	7.2053E-01	5.6242E+02
2.6000E+01	4.8210E+01	1.5052E-00	5.5843E-01	4.7380E-00	2.7405E-00	1.7288E-00	6.9733E-01	6.1860E+02
2.7000E+01	4.9830E+01	1.4460E-00	5.4303E-01	4.9850E-00	2.8138E-00	1.7716E-00	6.7356E-01	6.7810E+02
2.8000E+01	5.1580E+01	1.3831E-00	5.2605E-01	5.2491E-00	2.8886E-00	1.8171E-00	6.4895E-01	7.4199E+02
2.9000E+01	5.3500E+01	1.3157E-00	5.0713E-01	5.5345E-00	2.9656E-00	1.8662E-00	6.2331E-01	8.1116E+02
3.0000E+01	5.5670E+01	1.2417E-00	4.8550E-01	5.8501E-00	3.0464E-00	1.9203E-00	5.9616E-01	8.8759E+02
3.1000E+01	5.8330E+01	1.1536E-00	4.5851E-01	6.2242E-00	3.1368E-00	1.9842E-00	5.6559E-01	9.7789E+02
3.2000E+01	6.2550E+01	1.0208E-00	4.1530E-01	6.7814E-00	3.2616E-00	2.0791E-00	5.2327E-01	1.1113E+03
3.2172E+01	6.5003E+01	9.4753E-01	3.9016E-01	7.0807E-00	3.3243E-00	2.1299E-00	5.0206E-01	1.1823E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 2.80$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{sec^2 \cdot ^\circ R}$
.0000E-99	2.0925E+01	2.8000E-00	7.8139E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	2.1620E+01	2.7532E-00	7.7624E-01	1.0750E-00	1.0530E-00	1.0208E-00	9.9996E-01	6.5549E-02
2.0000E-00	2.2350E+01	2.7042E-00	7.7066E-01	1.1559E-00	1.1089E-00	1.0423E-00	9.9969E-01	5.3170E-01
3.0000E-00	2.3090E+01	2.6587E-00	7.6531E-01	1.2401E-00	1.1658E-00	1.0637E-00	9.9898E-01	1.7425E-00
4.0000E-00	2.3850E+01	2.6141E-00	7.5991E-01	1.3287E-00	1.2242E-00	1.0853E-00	9.9766E-01	4.0126E-00
5.0000E-00	2.4640E+01	2.5682E-00	7.5419E-01	1.4231E-00	1.2850E-00	1.1075E-00	9.9553E-01	7.6727E-00
6.0000E-00	2.5460E+01	2.5210E-00	7.4812E-01	1.5236E-00	1.3479E-00	1.1302E-00	9.9244E-01	1.3018E+01
7.0000E-00	2.6290E+01	2.4767E-00	7.4225E-01	1.6276E-00	1.4114E-00	1.1531E-00	9.8833E-01	2.0128E+01
8.0000E-00	2.7150E+01	2.4311E-00	7.3602E-01	1.7379E-00	1.4768E-00	1.1768E-00	9.8304E-01	2.9347E+01
9.0000E-00	2.8030E+01	2.3861E-00	7.2968E-01	1.8532E-00	1.5432E-00	1.2008E-00	9.7653E-01	4.0744E+01
1.0000E+01	2.8940E+01	2.3399E-00	7.2297E-01	1.9750E-00	1.6113E-00	1.2257E-00	9.6868E-01	5.4589E+01
1.1000E+01	2.9870E+01	2.2943E-00	7.1613E-01	2.1020E-00	1.6801E-00	1.2511E-00	9.5955E-01	7.0842E+01
1.2000E+01	3.0830E+01	2.2475E-00	7.0891E-01	2.2356E-00	1.7502E-00	1.2773E-00	9.4903E-01	8.9764E+01
1.3000E+01	3.1810E+01	2.2013E-00	7.0155E-01	2.3746E-00	1.8207E-00	1.3042E-00	9.3724E-01	1.1121E+02
1.4000E+01	3.2820E+01	2.1542E-00	6.9380E-01	2.5203E-00	1.8921E-00	1.3319E-00	9.2411E-01	1.3543E+02
1.5000E+01	3.3860E+01	2.1061E-00	6.8564E-01	2.6727E-00	1.9643E-00	1.3606E-00	9.0967E-01	1.6245E+02
1.6000E+01	3.4920E+01	2.0588E-00	6.7735E-01	2.8305E-00	2.0364E-00	1.3899E-00	8.9415E-01	1.9198E+02
1.7000E+01	3.6020E+01	2.0095E-00	6.6842E-01	2.9964E-00	2.1095E-00	1.4204E-00	8.7733E-01	2.2456E+02
1.8000E+01	3.7140E+01	1.9610E-00	6.5936E-01	3.1675E-00	2.1822E-00	1.4515E-00	8.5962E-01	2.5955E+02
1.9000E+01	3.8300E+01	1.9110E-00	6.4969E-01	3.3468E-00	2.2554E-00	1.4839E-00	8.4083E-01	2.9748E+02
2.0000E+01	3.9490E+01	1.8609E-00	6.3968E-01	3.5324E-00	2.3283E-00	1.5171E-00	8.2123E-01	3.3796E+02
2.1000E+01	4.0720E+01	1.8097E-00	6.2911E-01	3.7259E-00	2.4013E-00	1.5515E-00	8.0079E-01	3.8121E+02
2.2000E+01	4.1990E+01	1.7578E-00	6.1802E-01	3.9270E-00	2.4742E-00	1.5871E-00	7.7966E-01	4.2710E+02
2.3000E+01	4.3310E+01	1.7045E-00	6.0623E-01	4.1370E-00	2.5473E-00	1.6240E-00	7.5781E-01	4.7586E+02
2.4000E+01	4.4680E+01	1.6502E-00	5.9380E-01	4.3555E-00	2.6201E-00	1.6623E-00	7.3543E-01	5.2731E+02
2.5000E+01	4.6110E+01	1.5946E-00	5.8061E-01	4.5838E-00	2.6930E-00	1.7020E-00	7.1251E-01	5.8164E+02
2.6000E+01	4.7610E+01	1.5373E-00	5.6654E-01	4.8227E-00	2.7660E-00	1.7435E-00	6.8910E-01	6.3897E+02
2.7000E+01	4.9190E+01	1.4784E-00	5.5153E-01	5.0731E-00	2.8392E-00	1.7868E-00	6.6525E-01	6.9940E+02
2.8000E+01	5.0890E+01	1.4159E-00	5.3500E-01	5.3403E-00	2.9136E-00	1.8328E-00	6.4065E-01	7.6408E+02
2.9000E+01	5.2730E+01	1.3501E-00	5.1688E-01	5.6257E-00	2.9894E-00	1.8818E-00	6.1533E-01	8.3326E+02
3.0000E+01	5.4790E+01	1.2780E-00	4.9622E-01	5.9393E-00	3.0685E-00	1.9355E-00	5.8871E-01	9.0915E+02
3.1000E+01	5.7200E+01	1.1963E-00	4.7174E-01	6.2959E-00	3.1535E-00	1.9964E-00	5.5993E-01	9.9516E+02
3.2000E+01	6.0430E+01	1.0909E-00	4.3849E-01	6.7525E-00	3.2554E-00	2.0742E-00	5.2537E-01	1.1044E+03
3.2587E+01	6.5050E+01	9.4894E-01	3.9065E-01	7.3524E-00	3.3787E-00	2.1760E-00	4.8369E-01	1.2463E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 2.85$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{sec^2-^{\circ}R}$
.0000E-99	2.0541E+01	2.8500E-00	7.8674E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	2.1240E+01	2.8005E-00	7.8146E-01	1.0770E-00	1.0544E-00	1.0214E-00	9.9995E-01	7.0869E-02
2.0000E-00	2.1950E+01	2.7547E-00	7.7640E-01	1.1573E-00	1.1099E-00	1.0427E-00	9.9968E-01	5.4577E-01
3.0000E-00	2.2690E+01	2.7075E-00	7.7104E-01	1.2433E-00	1.1680E-00	1.0645E-00	9.9894E-01	1.8075E-00
4.0000E-00	2.3460E+01	2.6591E-00	7.6536E-01	1.3352E-00	1.2285E-00	1.0868E-00	9.9754E-01	4.2225E-00
5.0000E-00	2.4240E+01	2.6140E-00	7.5990E-01	1.4306E-00	1.2897E-00	1.1092E-00	9.9533E-01	8.0176E-00
6.0000E-00	2.5050E+01	2.5675E-00	7.5410E-01	1.5321E-00	1.3532E-00	1.1322E-00	9.9213E-01	1.3544E+01
7.0000E-00	2.5890E+01	2.5197E-00	7.4795E-01	1.6400E-00	1.4188E-00	1.1558E-00	9.8779E-01	2.1079E+01
8.0000E-00	2.6740E+01	2.4747E-00	7.4198E-01	1.7517E-00	1.4849E-00	1.1797E-00	9.8231E-01	3.0623E+01
9.0000E-00	2.7620E+01	2.4284E-00	7.3564E-01	1.8700E-00	1.5527E-00	1.2043E-00	9.7551E-01	4.2546E+01
1.0000E+01	2.8530E+01	2.3808E-00	7.2891E-01	1.9950E-00	1.6222E-00	1.2297E-00	9.6731E-01	5.7029E+01
1.1000E+01	2.9460E+01	2.3338E-00	7.2207E-01	2.1254E-00	1.6925E-00	1.2557E-00	9.5777E-01	7.4030E+01
1.2000E+01	3.0410E+01	2.2874E-00	7.1509E-01	2.2613E-00	1.7634E-00	1.2823E-00	9.4691E-01	9.3596E+01
1.3000E+01	3.1390E+01	2.2399E-00	7.0771E-01	2.4042E-00	1.8354E-00	1.3098E-00	9.3463E-01	1.1599E+02
1.4000E+01	3.2370E+01	2.1929E-00	7.0018E-01	2.5525E-00	1.9076E-00	1.3380E-00	9.2111E-01	1.4101E+02
1.5000E+01	3.3430E+01	2.1434E-00	6.9199E-01	2.7094E-00	1.9813E-00	1.3674E-00	9.0610E-01	1.6918E+02
1.6000E+01	3.4490E+01	2.0946E-00	6.8365E-01	2.8719E-00	2.0549E-00	1.3975E-00	8.8999E-01	1.9998E+02
1.7000E+01	3.5570E+01	2.0466E-00	6.7517E-01	3.0398E-00	2.1282E-00	1.4283E-00	8.7287E-01	2.3330E+02
1.8000E+01	3.6690E+01	1.9965E-00	6.6603E-01	3.2162E-00	2.2023E-00	1.4603E-00	8.5454E-01	2.6973E+02
1.9000E+01	3.7840E+01	1.9461E-00	6.5651E-01	3.3995E-00	2.2764E-00	1.4933E-00	8.3527E-01	3.0887E+02
2.0000E+01	3.9030E+01	1.8943E-00	6.4639E-01	3.5912E-00	2.3508E-00	1.5276E-00	8.1502E-01	3.5098E+02
2.1000E+01	4.0250E+01	1.8425E-00	6.3593E-01	3.7894E-00	2.4247E-00	1.5628E-00	7.9410E-01	3.9560E+02
2.2000E+01	4.1500E+01	1.7910E-00	6.2516E-01	3.9940E-00	2.4979E-00	1.5989E-00	7.7266E-01	4.4257E+02
2.3000E+01	4.2810E+01	1.7368E-00	6.1342E-01	4.2096E-00	2.5718E-00	1.6367E-00	7.5034E-01	4.9287E+02
2.4000E+01	4.4160E+01	1.6824E-00	6.0123E-01	4.4325E-00	2.6451E-00	1.6757E-00	7.2764E-01	5.4557E+02
2.5000E+01	4.5570E+01	1.6264E-00	5.8821E-01	4.6657E-00	2.7184E-00	1.7163E-00	7.0442E-01	6.0124E+02
2.6000E+01	4.7040E+01	1.5693E-00	5.7447E-01	4.9085E-00	2.7915E-00	1.7583E-00	6.8084E-01	6.5965E+02
2.7000E+01	4.8600E+01	1.5095E-00	5.5951E-01	5.1653E-00	2.8652E-00	1.8027E-00	6.5667E-01	7.2169E+02
2.8000E+01	5.0250E+01	1.4478E-00	5.4351E-01	5.4349E-00	2.9392E-00	1.8491E-00	6.3214E-01	7.8700E+02
2.9000E+01	5.2030E+01	1.3827E-00	5.2594E-01	5.7225E-00	3.0143E-00	1.8984E-00	6.0698E-01	8.5670E+02
3.0000E+01	5.3970E+01	1.3128E-00	5.0629E-01	6.0340E-00	3.0915E-00	1.9517E-00	5.8091E-01	9.3204E+02
3.1000E+01	5.6240E+01	1.2345E-00	4.8333E-01	6.3831E-00	3.1735E-00	2.0113E-00	5.5314E-01	1.0161E+03
3.2000E+01	5.9040E+01	1.1405E-00	4.5438E-01	6.8017E-00	3.2659E-00	2.0825E-00	5.2180E-01	1.1161E+03
3.2983E+01	6.5097E+01	9.5028E-01	3.9112E-01	7.6293E-00	3.4320E-00	2.2229E-00	4.6580E-01	1.3110E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 2.90$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S,}{\text{ft}^2/\text{sec}^2 - \text{O}_R}$
.0000E-99	2.0171E+01	2.9000E-00	7.9193E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	2.0860E+01	2.8514E-00	7.8690E-01	1.0774E-00	1.0546E-00	1.0215E-00	9.9995E-01	7.2070E-02
2.0000E-00	2.1580E+01	2.8014E-00	7.8155E-01	1.1606E-00	1.1121E-00	1.0435E-00	9.9966E-01	5.7716E-01
3.0000E-00	2.2320E+01	2.7526E-00	7.7618E-01	1.2484E-00	1.1714E-00	1.0658E-00	9.9888E-01	1.9110E-00
4.0000E-00	2.3080E+01	2.7051E-00	7.7076E-01	1.3411E-00	1.2323E-00	1.0882E-00	9.9742E-01	4.4190E-00
5.0000E-00	2.3860E+01	2.6586E-00	7.6530E-01	1.4387E-00	1.2949E-00	1.1110E-00	9.9511E-01	8.4023E-00
6.0000E-00	2.4670E+01	2.6107E-00	7.5950E-01	1.5426E-00	1.3597E-00	1.1345E-00	9.9175E-01	1.4202E+01
7.0000E-00	2.5500E+01	2.5637E-00	7.5362E-01	1.6518E-00	1.4259E-00	1.1584E-00	9.8725E-01	2.2002E+01
8.0000E-00	2.6350E+01	2.5174E-00	7.4765E-01	1.7662E-00	1.4933E-00	1.1827E-00	9.8153E-01	3.1987E+01
9.0000E-00	2.7230E+01	2.4697E-00	7.4131E-01	1.8875E-00	1.5626E-00	1.2079E-00	9.7442E-01	4.4459E+01
1.0000E+01	2.8130E+01	2.4227E-00	7.3485E-01	2.0143E-00	1.6328E-00	1.2336E-00	9.6596E-01	5.9426E+01
1.1000E+01	2.9060E+01	2.3744E-00	7.2800E-01	2.1481E-00	1.7045E-00	1.2602E-00	9.5602E-01	7.7174E+01
1.2000E+01	3.0010E+01	2.3267E-00	7.2101E-01	2.2877E-00	1.7768E-00	1.2874E-00	9.4471E-01	9.7597E+01
1.3000E+01	3.0980E+01	2.2795E-00	7.1388E-01	2.4329E-00	1.8496E-00	1.3153E-00	9.3207E-01	1.2071E+02
1.4000E+01	3.1990E+01	2.2295E-00	7.0607E-01	2.5870E-00	1.9240E-00	1.3445E-00	9.1786E-01	1.4706E+02
1.5000E+01	3.3010E+01	2.1818E-00	6.9837E-01	2.7453E-00	1.9978E-00	1.3741E-00	9.0259E-01	1.7585E+02
1.6000E+01	3.4070E+01	2.1315E-00	6.8998E-01	2.9125E-00	2.0729E-00	1.4050E-00	8.8589E-01	2.0790E+02
1.7000E+01	3.5150E+01	2.0820E-00	6.8145E-01	3.0854E-00	2.1476E-00	1.4366E-00	8.6816E-01	2.4259E+02
1.8000E+01	3.6270E+01	2.0304E-00	6.7225E-01	3.2672E-00	2.2232E-00	1.4695E-00	8.4920E-01	2.8049E+02
1.9000E+01	3.7410E+01	1.9798E-00	6.6291E-01	3.4545E-00	2.2980E-00	1.5032E-00	8.2946E-01	3.2084E+02
2.0000E+01	3.8580E+01	1.9289E-00	6.5318E-01	3.6489E-00	2.3726E-00	1.5379E-00	8.0892E-01	3.6388E+02
2.1000E+01	3.9800E+01	1.8753E-00	6.4260E-01	3.8535E-00	2.4479E-00	1.5741E-00	7.8736E-01	4.1023E+02
2.2000E+01	4.1040E+01	1.8232E-00	6.3194E-01	4.0632E-00	2.5219E-00	1.6111E-00	7.6546E-01	4.5863E+02
2.3000E+01	4.2340E+01	1.7682E-00	6.2026E-01	4.2843E-00	2.5967E-00	1.6498E-00	7.4269E-01	5.1046E+02
2.4000E+01	4.3670E+01	1.7139E-00	6.0834E-01	4.5115E-00	2.6703E-00	1.6895E-00	7.1972E-01	5.6437E+02
2.5000E+01	4.5060E+01	1.6577E-00	5.9554E-01	4.7494E-00	2.7440E-00	1.7308E-00	6.9622E-01	6.2134E+02
2.6000E+01	4.6510E+01	1.6002E-00	5.8196E-01	4.9976E-00	2.8174E-00	1.7737E-00	6.7237E-01	6.8114E+02
2.7000E+01	4.8040E+01	1.5403E-00	5.6729E-01	5.2587E-00	2.8913E-00	1.8180E-00	6.4806E-01	7.4432E+02
2.8000E+01	4.9660E+01	1.4783E-00	5.5150E-01	5.5336E-00	2.9654E-00	1.8660E-00	6.2339E-01	8.1094E+02
2.9000E+01	5.1390E+01	1.4137E-00	5.3440E-01	5.8243E-00	3.0400E-00	1.9159E-00	5.9832E-01	8.8136E+02
3.0000E+01	5.3270E+01	1.3454E-00	5.1557E-01	6.1357E-00	3.1159E-00	1.9691E-00	5.7266E-01	9.5659E+02
3.1000E+01	5.5400E+01	1.2696E-00	4.9375E-01	6.4812E-00	3.1958E-00	2.0280E-00	5.4560E-01	1.0396E+03
3.2000E+01	5.7930E+01	1.1826E-00	4.6754E-01	6.8789E-00	3.2823E-00	2.0957E-00	5.1624E-01	1.1345E+03
3.3000E+01	6.1570E+01	1.0628E-00	4.2928E-01	7.4211E-00	3.3921E-00	2.1877E-00	4.7917E-01	1.2624E+03
3.3363E+01	6.5145E+01	9.5159E-01	3.9158E-01	7.9115E-00	3.4841E-00	2.2707E-00	4.4839E-01	1.3763E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 2.95$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{ft^2}{sec^2 \cdot ^\circ R}$
.0000E-99	1.9815E+01	2.9500E-00	7.2693E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	2.0500E+01	2.9007E-00	7.9199E-01	1.0785E-00	1.0554E-00	1.0218E-00	9.9995E-01	7.5330E-02
2.0000E-00	2.1220E+01	2.8489E-00	7.8663E-01	1.1634E-00	1.1140E-00	1.0443E-00	9.9964E-01	6.0684E-01
3.0000E-00	2.1950E+01	2.8012E-00	7.8153E-01	1.2519E-00	1.1737E-00	1.0666E-00	9.9884E-01	1.9832E-00
4.0000E-00	2.2710E+01	2.7521E-00	7.7611E-01	1.3466E-00	1.2358E-00	1.0895E-00	9.9732E-01	4.6045E-00
5.0000E-00	2.3490E+01	2.7041E-00	7.7065E-01	1.4463E-00	1.2997E-00	1.1128E-00	9.9490E-01	8.7722E-00
6.0000E-00	2.4290E+01	2.6571E-00	7.6512E-01	1.5513E-00	1.3650E-00	1.1364E-00	9.9143E-01	1.4758E+01
7.0000E-00	2.5120E+01	2.6087E-00	7.5925E-01	1.6630E-00	1.4326E-00	1.1608E-00	9.8674E-01	2.2899E+01
8.0000E-00	2.5970E+01	2.5610E-00	7.5328E-01	1.7802E-00	1.5014E-00	1.1856E-00	9.8076E-01	3.3324E+01
9.0000E-00	2.6850E+01	2.5120E-00	7.4694E-01	1.9044E-00	1.5721E-00	1.2113E-00	9.7335E-01	4.6346E+01
1.0000E+01	2.7750E+01	2.4637E-00	7.4049E-01	2.0344E-00	1.6437E-00	1.2376E-00	9.6453E-01	6.1970E+01
1.1000E+01	2.8670E+01	2.4160E-00	7.3390E-01	2.1702E-00	1.7161E-00	1.2645E-00	9.5429E-01	8.0280E+01
1.2000E+01	2.9620E+01	2.3669E-00	7.2691E-01	2.3134E-00	1.7899E-00	1.2924E-00	9.4253E-01	1.0156E+02
1.3000E+01	3.0600E+01	2.3166E-00	7.1951E-01	2.4641E-00	1.8649E-00	1.3213E-00	9.2925E-01	1.2590E+02
1.4000E+01	3.1590E+01	2.2687E-00	7.1221E-01	2.6193E-00	1.9393E-00	1.3506E-00	9.1480E-01	1.5280E+02
1.5000E+01	3.2620E+01	2.2179E-00	7.0422E-01	2.7836E-00	2.0153E-00	1.3812E-00	8.9881E-01	1.8306E+02
1.6000E+01	3.3670E+01	2.1678E-00	6.9607E-01	2.9540E-00	2.0911E-00	1.4126E-00	8.8167E-01	2.1610E+02
1.7000E+01	3.4750E+01	2.1169E-00	6.8749E-01	3.1319E-00	2.1673E-00	1.4450E-00	8.6333E-01	2.5216E+02
1.8000E+01	3.5860E+01	2.0653E-00	6.7850E-01	3.3175E-00	2.2436E-00	1.4786E-00	8.4391E-01	2.9120E+02
1.9000E+01	3.6990E+01	2.0145E-00	6.6934E-01	3.5088E-00	2.3192E-00	1.5129E-00	8.2373E-01	3.3275E+02
2.0000E+01	3.8160E+01	1.9619E-00	6.5953E-01	3.7092E-00	2.3951E-00	1.5486E-00	8.0255E-01	3.7743E+02
2.1000E+01	3.9370E+01	1.9080E-00	6.4910E-01	3.9185E-00	2.4712E-00	1.5856E-00	7.8054E-01	4.2515E+02
2.2000E+01	4.0610E+01	1.8542E-00	6.3831E-01	4.1349E-00	2.5465E-00	1.6237E-00	7.5803E-01	4.7536E+02
2.3000E+01	4.1890E+01	1.7995E-00	6.2697E-01	4.3597E-00	2.6215E-00	1.6630E-00	7.3500E-01	5.2831E+02
2.4000E+01	4.3210E+01	1.7444E-00	6.1511E-01	4.5928E-00	2.6958E-00	1.7036E-00	7.1162E-01	5.8378E+02
2.5000E+01	4.4590E+01	1.6872E-00	6.0233E-01	4.8371E-00	2.7703E-00	1.7460E-00	6.8771E-01	6.4243E+02
2.6000E+01	4.6020E+01	1.6295E-00	5.8895E-01	5.0905E-00	2.8441E-00	1.7898E-00	6.6363E-01	7.0359E+02
2.7000E+01	4.7520E+01	1.5700E-00	5.7463E-01	5.3557E-00	2.9178E-00	1.8355E-00	6.3925E-01	7.6782E+02
2.8000E+01	4.9100E+01	1.5086E-00	5.5930E-01	5.6338E-00	2.9915E-00	1.8832E-00	6.1463E-01	8.3522E+02
2.9000E+01	5.0790E+01	1.4442E-00	5.4255E-01	5.9288E-00	3.0659E-00	1.9337E-00	5.8958E-01	9.0662E+02
3.0000E+01	5.2620E+01	1.3760E-00	5.2410E-01	6.2442E-00	3.1415E-00	1.9876E-00	5.6401E-01	9.8271E+02
3.1000E+01	5.4650E+01	1.3023E-00	5.0330E-01	6.5876E-00	3.2194E-00	2.0461E-00	5.3756E-01	1.0651E+03
3.2000E+01	5.7000E+01	1.2197E-00	4.7888E-01	6.9745E-00	3.3024E-00	2.1119E-00	5.0946E-01	1.1572E+03
3.3000E+01	6.0050E+01	1.1165E-00	4.4672E-01	7.4557E-00	3.3988E-00	2.1935E-00	4.7692E-01	1.2705E+03
3.3725E+01	6.5193E+01	9.5281E-01	3.9200E-01	8.1990E-00	3.5350E-00	2.3193E-00	4.3149E-01	1.4422E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 3.00$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{sec^2 \cdot R}$
.0000E-99	1.9471E+01	3.0000E-00	8.0178E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	2.0160E+01	2.9479E-00	7.9673E-01	1.0805E-00	1.0568E-00	1.0223E-00	9.9995E-01	8.0307E-02
2.0000E-00	2.0870E+01	2.8972E-00	7.9164E-01	1.1659E-00	1.1157E-00	1.0449E-00	9.9963E-01	6.3240E-01
3.0000E-00	2.1600E+01	2.8479E-00	7.8653E-01	1.2562E-00	1.1765E-00	1.0677E-00	9.9879E-01	2.0757E-00
4.0000E-00	2.2350E+01	2.7999E-00	7.8139E-01	1.3516E-00	1.2391E-00	1.0907E-00	9.9721E-01	4.7790E-00
5.0000E-00	2.3130E+01	2.7505E-00	7.7593E-01	1.4535E-00	1.3042E-00	1.1144E-00	9.9469E-01	9.1295E-00
6.0000E-00	2.3940E+01	2.6997E-00	7.7014E-01	1.5622E-00	1.3717E-00	1.1388E-00	9.9102E-01	1.5472E+01
7.0000E-00	2.4760E+01	2.6523E-00	7.6454E-01	1.6751E-00	1.4398E-00	1.1634E-00	9.8617E-01	2.3888E+01
8.0000E-00	2.5610E+01	2.6033E-00	7.5859E-01	1.7950E-00	1.5099E-00	1.1888E-00	9.7993E-01	3.4779E+01
9.0000E-00	2.6490E+01	2.5530E-00	7.5226E-01	1.9223E-00	1.5821E-00	1.2150E-00	9.7220E-01	4.8378E+01
1.0000E+01	2.7380E+01	2.5055E-00	7.4608E-01	2.0540E-00	1.6543E-00	1.2416E-00	9.6311E-01	6.4494E+01
1.1000E+01	2.8310E+01	2.4545E-00	7.3923E-01	2.1948E-00	1.7290E-00	1.2694E-00	9.5234E-01	8.3794E+01
1.2000E+01	2.9250E+01	2.4061E-00	7.3252E-01	2.3402E-00	1.8034E-00	1.2976E-00	9.4023E-01	1.0574E+02
1.3000E+01	3.0220E+01	2.3563E-00	7.2537E-01	2.4933E-00	1.8791E-00	1.3268E-00	9.2659E-01	1.3082E+02
1.4000E+01	3.1220E+01	2.3053E-00	7.1780E-01	2.6542E-00	1.9557E-00	1.3571E-00	9.1145E-01	1.5909E+02
1.5000E+01	3.2240E+01	2.2549E-00	7.1007E-01	2.8215E-00	2.0324E-00	1.3882E-00	8.9505E-01	1.9026E+02
1.6000E+01	3.3290E+01	2.2034E-00	7.0189E-01	2.9966E-00	2.1096E-00	1.4204E-00	8.7731E-01	2.2459E+02
1.7000E+01	3.4360E+01	2.1526E-00	6.9354E-01	3.1779E-00	2.1865E-00	1.4534E-00	8.5854E-01	2.6171E+02
1.8000E+01	3.5470E+01	2.0995E-00	6.8450E-01	3.3689E-00	2.2642E-00	1.4878E-00	8.3850E-01	3.0224E+02
1.9000E+01	3.6600E+01	2.0473E-00	6.7528E-01	3.5659E-00	2.3411E-00	1.5231E-00	8.1769E-01	3.4537E+02
2.0000E+01	3.7760E+01	1.9945E-00	6.6566E-01	3.7706E-00	2.4178E-00	1.5595E-00	7.9608E-01	3.9132E+02
2.1000E+01	3.8960E+01	1.9402E-00	6.5538E-01	3.9846E-00	2.4946E-00	1.5972E-00	7.7364E-01	4.4040E+02
2.2000E+01	4.0190E+01	1.8860E-00	6.4473E-01	4.2060E-00	2.5706E-00	1.6361E-00	7.5071E-01	4.9202E+02
2.3000E+01	4.1460E+01	1.8307E-00	6.3350E-01	4.4362E-00	2.6463E-00	1.6763E-00	7.2727E-01	5.4645E+02
2.4000E+01	4.2780E+01	1.7738E-00	6.2148E-01	4.6769E-00	2.7219E-00	1.7182E-00	7.0332E-01	6.0392E+02
2.5000E+01	4.4140E+01	1.7167E-00	6.0898E-01	4.9257E-00	2.7965E-00	1.7613E-00	6.7920E-01	6.6379E+02
2.6000E+01	4.5550E+01	1.6589E-00	5.9583E-01	5.1841E-00	2.8705E-00	1.8059E-00	6.5493E-01	7.2624E+02
2.7000E+01	4.7030E+01	1.5990E-00	5.8168E-01	5.4550E-00	2.9445E-00	1.8525E-00	6.3035E-01	7.9188E+02
2.8000E+01	4.8590E+01	1.5370E-00	5.6646E-01	5.7395E-00	3.0186E-00	1.9013E-00	6.0553E-01	8.6081E+02
2.9000E+01	5.0240E+01	1.4730E-00	5.5013E-01	6.0382E-00	3.0926E-00	1.9524E-00	5.8057E-01	9.3306E+02
3.0000E+01	5.2010E+01	1.4061E-00	5.3234E-01	6.3552E-00	3.1671E-00	2.0065E-00	5.5530E-01	1.0094E+03
3.1000E+01	5.3960E+01	1.3340E-00	5.1234E-01	6.6987E-00	3.2438E-00	2.0650E-00	5.2932E-01	1.0916E+03
3.2000E+01	5.6180E+01	1.2541E-00	4.8918E-01	7.0805E-00	3.3242E-00	2.1299E-00	5.0207E-01	1.1823E+03
3.3000E+01	5.8910E+01	1.1593E-00	4.6028E-01	7.5335E-00	3.4138E-00	2.2067E-00	4.7190E-01	1.2886E+03
3.4000E+01	6.3670E+01	1.0030E-00	4.0928E-01	8.2677E-00	3.5469E-00	2.3309E-00	4.2757E-01	1.4579E+03
3.4073E+01	6.5241E+01	9.5402E-01	3.9242E-01	8.4917E-00	3.5848E-00	2.3687E-00	4.1509E-01	1.5087E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 3.05$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{R}$
.0000E-99	1.9140E+01	3.0500E-00	8.0646E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.9820E+01	2.9985E-00	8.0164E-01	1.0810E-00	1.0572E-00	1.0225E-00	9.9995E-01	8.2194E-02
2.0000E-00	2.0530E+01	2.9461E-00	7.9655E-01	1.1681E-00	1.1172E-00	1.0455E-00	9.9961E-01	6.5607E-01
3.0000E-00	2.1260E+01	2.8952E-00	7.9144E-01	1.2602E-00	1.1792E-00	1.0687E-00	9.9873E-01	2.1638E-00
4.0000E-00	2.2010E+01	2.8458E-00	7.8631E-01	1.3576E-00	1.2430E-00	1.0921E-00	9.9709E-01	4.9931E-00
5.0000E-00	2.2790E+01	2.7949E-00	7.8085E-01	1.4617E-00	1.3094E-00	1.1163E-00	9.9445E-01	9.5472E-00
6.0000E-00	2.3590E+01	2.7452E-00	7.7535E-01	1.5714E-00	1.3773E-00	1.1409E-00	9.9066E-01	1.6090E+01
7.0000E-00	2.4420E+01	2.6941E-00	7.6949E-01	1.6882E-00	1.4476E-00	1.1662E-00	9.8554E-01	2.4987E+01
8.0000E-00	2.5260E+01	2.6463E-00	7.6382E-01	1.8096E-00	1.5183E-00	1.1918E-00	9.7911E-01	3.6225E+01
9.0000E-00	2.6140E+01	2.5946E-00	7.5750E-01	1.9398E-00	1.5918E-00	1.2186E-00	9.7105E-01	5.0406E+01
1.0000E+01	2.7030E+01	2.5459E-00	7.5134E-01	2.0748E-00	1.6655E-00	1.2457E-00	9.6159E-01	6.7207E+01
1.1000E+01	2.7950E+01	2.4956E-00	7.4478E-01	2.2175E-00	1.7408E-00	1.2738E-00	9.5051E-01	8.7087E+01
1.2000E+01	2.8900E+01	2.4440E-00	7.3779E-01	2.3681E-00	1.8174E-00	1.3029E-00	9.3781E-01	1.1017E+02
1.3000E+01	2.9860E+01	2.3949E-00	7.3093E-01	2.5236E-00	1.8937E-00	1.3325E-00	9.2380E-01	1.3600E+02
1.4000E+01	3.0860E+01	2.3425E-00	7.2336E-01	2.6888E-00	1.9718E-00	1.3636E-00	9.0811E-01	1.6539E+02
1.5000E+01	3.1880E+01	2.2908E-00	7.1561E-01	2.8605E-00	2.0499E-00	1.3954E-00	8.9113E-01	1.9778E+02
1.6000E+01	3.2920E+01	2.2397E-00	7.0768E-01	3.0388E-00	2.1278E-00	1.4281E-00	8.7298E-01	2.3310E+02
1.7000E+01	3.4000E+01	2.1859E-00	6.9904E-01	3.2270E-00	2.2067E-00	1.4623E-00	8.5341E-01	2.7199E+02
1.8000E+01	3.5100E+01	2.1329E-00	6.9022E-01	3.4216E-00	2.2851E-00	1.4973E-00	8.3294E-01	3.1367E+02
1.9000E+01	3.6220E+01	2.0807E-00	6.8122E-01	3.6226E-00	2.3627E-00	1.5332E-00	8.1170E-01	3.5799E+02
2.0000E+01	3.7380E+01	2.0265E-00	6.7153E-01	3.8333E-00	2.4406E-00	1.5706E-00	7.8948E-01	4.0562E+02
2.1000E+01	3.8570E+01	1.9720E-00	6.6143E-01	4.0520E-00	2.5181E-00	1.6091E-00	7.6662E-01	4.5603E+02
2.2000E+01	3.9800E+01	1.9161E-00	6.5069E-01	4.2802E-00	2.5954E-00	1.6491E-00	7.4310E-01	5.0950E+02
2.3000E+01	4.1060E+01	1.8604E-00	6.3958E-01	4.5158E-00	2.6716E-00	1.6902E-00	7.1929E-01	5.6540E+02
2.4000E+01	4.2360E+01	1.8040E-00	6.2790E-01	4.7604E-00	2.7473E-00	1.7327E-00	6.9515E-01	6.2398E+02
2.5000E+01	4.3710E+01	1.7461E-00	6.1547E-01	5.0155E-00	2.8226E-00	1.7768E-00	6.7068E-01	6.8547E+02
2.6000E+01	4.5110E+01	1.6873E-00	6.0235E-01	5.2806E-00	2.8973E-00	1.8225E-00	6.4607E-01	7.4962E+02
2.7000E+01	4.6570E+01	1.6272E-00	5.8841E-01	5.5570E-00	2.9715E-00	1.8700E-00	6.2133E-01	8.1660E+02
2.8000E+01	4.8100E+01	1.5655E-00	5.7354E-01	5.8458E-00	3.0453E-00	1.9195E-00	5.9652E-01	8.8655E+02
2.9000E+01	4.9720E+01	1.5015E-00	5.5747E-01	6.1498E-00	3.1193E-00	1.9715E-00	5.7153E-01	9.5997E+02
3.0000E+01	5.1460E+01	1.4340E-00	5.3984E-01	6.4731E-00	3.1939E-00	2.0266E-00	5.4622E-01	1.0377E+03
3.1000E+01	5.3340E+01	1.3634E-00	5.2059E-01	6.8173E-00	3.2693E-00	2.0852E-00	5.2067E-01	1.1199E+03
3.2000E+01	5.5460E+01	1.2855E-00	4.9842E-01	7.1974E-00	3.3479E-00	2.1497E-00	4.9407E-01	1.2098E+03
3.3000E+01	5.7970E+01	1.1965E-00	4.7180E-01	7.6335E-00	3.4327E-00	2.2236E-00	4.6554E-01	1.3119E+03
3.4000E+01	6.1500E+01	1.0767E-00	4.3384E-01	8.2152E-00	3.5378E-00	2.3221E-00	4.3056E-01	1.4460E+03
3.4407E+01	6.5288E+01	9.5523E-01	3.9284E-01	8.7894E-00	3.6334E-00	2.4190E-00	3.9921E-01	1.5757E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 3.10$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2}$ $\frac{sec^2}{sec^2 \cdot ^\circ R}$
.0000E-99	1.8819E+01	3.1000E-00	8.1103E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.9500E+01	3.0467E-00	8.0617E-01	1.0826E-00	1.0583E-00	1.0227E-00	9.9994E-01	8.6026E-02
2.0000E-00	2.0210E+01	2.9926E-00	8.0107E-01	1.1713E-00	1.1194E-00	1.0463E-00	9.9759E-01	6.9192E-01
3.0000E-00	2.0930E+01	2.9431E-00	7.9625E-01	1.2640E-00	1.1817E-00	1.0696E-00	9.9868E-01	2.2499E-00
4.0000E-00	2.1680E+01	2.8921E-00	7.9112E-01	1.3634E-00	1.2467E-00	1.0935E-00	9.9697E-01	5.2037E-00
5.0000E-00	2.2460E+01	2.8399E-00	7.8568E-01	1.4697E-00	1.3144E-00	1.1181E-00	9.9421E-01	9.9620E-00
6.0000E-00	2.3260E+01	2.7888E-00	7.8019E-01	1.5817E-00	1.3836E-00	1.1431E-00	9.9025E-01	1.6798E+01
7.0000E-00	2.4080E+01	2.7389E-00	7.7462E-01	1.6997E-00	1.4544E-00	1.1687E-00	9.8498E-01	2.5966E+01
8.0000E-00	2.4930E+01	2.6874E-00	7.6870E-01	1.8253E-00	1.5273E-00	1.1950E-00	9.7819E-01	3.7825E+01
9.0000E-00	2.5800E+01	2.6367E-00	7.6267E-01	1.9571E-00	1.6014E-00	1.2221E-00	9.6990E-01	5.2438E+01
1.0000E+01	2.6690E+01	2.5868E-00	7.5653E-01	2.0952E-00	1.6764E-00	1.2497E-00	9.6006E-01	6.9929E+01
1.1000E+01	2.7610E+01	2.5353E-00	7.4998E-01	2.2414E-00	1.7531E-00	1.2785E-00	9.4856E-01	9.0619E+01
1.2000E+01	2.8550E+01	2.4844E-00	7.4328E-01	2.3942E-00	1.8304E-00	1.3079E-00	9.3552E-01	1.1437E+02
1.3000E+01	2.9520E+01	2.4321E-00	7.3615E-01	2.5553E-00	1.9089E-00	1.3385E-00	9.2085E-01	1.4148E+02
1.4000E+01	3.0510E+01	2.3803E-00	7.2885E-01	2.7231E-00	1.9876E-00	1.3700E-00	9.0477E-01	1.7171E+02
1.5000E+01	3.1530E+01	2.3273E-00	7.2110E-01	2.8994E-00	2.0671E-00	1.4026E-00	8.8722E-01	2.0533E+02
1.6000E+01	3.2570E+01	2.2749E-00	7.1317E-01	3.0824E-00	2.1464E-00	1.4360E-00	8.6847E-01	2.4198E+02
1.7000E+01	3.3640E+01	2.2214E-00	7.0477E-01	3.2740E-00	2.2260E-00	1.4708E-00	8.4848E-01	2.8194E+02
1.8000E+01	3.4740E+01	2.1669E-00	6.9592E-01	3.4741E-00	2.3057E-00	1.5067E-00	8.2739E-01	3.2513E+02
1.9000E+01	3.5860E+01	2.1133E-00	6.8688E-01	3.6808E-00	2.3846E-00	1.5435E-00	8.0555E-01	3.7104E+02
2.0000E+01	3.7020E+01	2.0576E-00	6.7714E-01	3.8977E-00	2.4638E-00	1.5819E-00	7.8272E-01	4.2037E+02
2.1000E+01	3.8200E+01	2.0030E-00	6.6722E-01	4.1210E-00	2.5418E-00	1.6212E-00	7.5947E-01	4.7211E+02
2.2000E+01	3.9420E+01	1.9468E-00	6.5664E-01	4.3541E-00	2.6197E-00	1.6620E-00	7.3557E-01	5.2698E+02
2.3000E+01	4.0670E+01	1.8907E-00	6.4568E-01	4.5951E-00	2.6965E-00	1.7040E-00	7.1139E-01	5.8433E+02
2.4000E+01	4.1970E+01	1.8326E-00	6.3387E-01	4.8473E-00	2.7734E-00	1.7478E-00	6.8672E-01	6.4489E+02
2.5000E+01	4.3310E+01	1.7740E-00	6.2153E-01	5.1086E-00	2.8493E-00	1.7929E-00	6.6194E-01	7.0798E+02
2.6000E+01	4.4690E+01	1.7155E-00	6.0869E-01	5.3785E-00	2.9240E-00	1.8394E-00	6.3720E-01	7.7333E+02
2.7000E+01	4.6140E+01	1.6543E-00	5.9476E-01	5.6621E-00	2.9988E-00	1.8881E-00	6.1218E-01	8.4208E+02
2.8000E+01	4.7650E+01	1.5923E-00	5.8007E-01	5.9569E-00	3.0728E-00	1.9385E-00	5.8725E-01	9.1343E+02
2.9000E+01	4.9240E+01	1.5285E-00	5.6433E-01	6.2658E-00	3.1465E-00	1.9913E-00	5.6230E-01	9.8791E+02
3.0000E+01	5.0940E+01	1.4615E-00	5.4712E-01	6.5932E-00	3.2207E-00	2.0471E-00	5.3715E-01	1.0664E+03
3.1000E+01	5.2770E+01	1.3914E-00	5.2834E-01	6.9410E-00	3.2954E-00	2.1062E-00	5.1183E-01	1.1492E+03
3.2000E+01	5.4800E+01	1.3156E-00	5.0712E-01	7.3196E-00	3.3723E-00	2.1705E-00	4.8586E-01	1.2386E+03
3.3000E+01	5.7160E+01	1.2301E-00	4.8199E-01	7.7478E-00	3.4541E-00	2.2430E-00	4.5839E-01	1.3385E+03
3.4000E+01	6.0210E+01	1.1238E-00	4.4908E-01	8.2776E-00	3.5486E-00	2.3326E-00	4.2701E-01	1.4602E+03
3.4727E+01	6.5335E+01	9.5638E-01	3.9324E-01	9.0925E-00	3.6809E-00	2.4701E-00	3.8384E-01	1.6430E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 3.15$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S}{ft^2}$ $\frac{sec^2}{sec^2 - C_R}$
.0000E-99	1.8509E+01	3.1500E-00	8.1544E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.9190E+01	3.0950E-00	8.1058E-01	1.0840E-00	1.0593E-00	1.0233E-00	9.9994E-01	9.1630E-02
2.0000E-00	1.9890E+01	3.0423E-00	8.0576E-01	1.1732E-00	1.1207E-00	1.0468E-00	9.9958E-01	7.1319E-01
3.0000E-00	2.0620E+01	2.9883E-00	8.0066E-01	1.2690E-00	1.1850E-00	1.0708E-00	9.9862E-01	2.3645E-00
4.0000E-00	2.1370E+01	2.9360E-00	7.9555E-01	1.3704E-00	1.2512E-00	1.0952E-00	9.9681E-01	5.4658E-00
5.0000E-00	2.2140E+01	2.8851E-00	7.9040E-01	1.4775E-00	1.3193E-00	1.1199E-00	9.9397E-01	1.0378E+01
6.0000E-00	2.2940E+01	2.8327E-00	7.8492E-01	1.5919E-00	1.3898E-00	1.1454E-00	9.8984E-01	1.7512E+01
7.0000E-00	2.3760E+01	2.7815E-00	7.7938E-01	1.7125E-00	1.4619E-00	1.1714E-00	9.8434E-01	2.7075E+01
8.0000E-00	2.4600E+01	2.7312E-00	7.7376E-01	1.8393E-00	1.5353E-00	1.1980E-00	9.7736E-01	3.9281E+01
9.0000E-00	2.5470E+01	2.6793E-00	7.6775E-01	1.9741E-00	1.6108E-00	1.2255E-00	9.6874E-01	5.4481E+01
1.0000E+01	2.6370E+01	2.6258E-00	7.6135E-01	2.1171E-00	1.6881E-00	1.2541E-00	9.5841E-01	7.2889E+01
1.1000E+01	2.7280E+01	2.5754E-00	7.5510E-01	2.2652E-00	1.7653E-00	1.2831E-00	9.4659E-01	9.4177E+01
1.2000E+01	2.8230E+01	2.5211E-00	7.4814E-01	2.4234E-00	1.8449E-00	1.3135E-00	9.3292E-01	1.1913E+02
1.3000E+01	2.9190E+01	2.4697E-00	7.4130E-01	2.5868E-00	1.9239E-00	1.3445E-00	9.1788E-01	1.4702E+02
1.4000E+01	3.0180E+01	2.4167E-00	7.3401E-01	2.7589E-00	2.0040E-00	1.3766E-00	9.0125E-01	1.7840E+02
1.5000E+01	3.1200E+01	2.3624E-00	7.2626E-01	2.9398E-00	2.0849E-00	1.4100E-00	8.8311E-01	2.1329E+02
1.6000E+01	3.2240E+01	2.3087E-00	7.1832E-01	3.1277E-00	2.1655E-00	1.4443E-00	8.6377E-01	2.5130E+02
1.7000E+01	3.3310E+01	2.2539E-00	7.0991E-01	3.3245E-00	2.2464E-00	1.4799E-00	8.4317E-01	2.9271E+02
1.8000E+01	3.4400E+01	2.1998E-00	7.0130E-01	3.5283E-00	2.3267E-00	1.5164E-00	8.2166E-01	3.3705E+02
1.9000E+01	3.5520E+01	2.1448E-00	6.9223E-01	3.7408E-00	2.4068E-00	1.5542E-00	7.9922E-01	3.8458E+02
2.0000E+01	3.6670E+01	2.0892E-00	6.8270E-01	3.9620E-00	2.4866E-00	1.5933E-00	7.7600E-01	4.3518E+02
2.1000E+01	3.7850E+01	2.0331E-00	6.7273E-01	4.1918E-00	2.5658E-00	1.6336E-00	7.5217E-01	4.8869E+02
2.2000E+01	3.9060E+01	1.9768E-00	6.6233E-01	4.4299E-00	2.6442E-00	1.6752E-00	7.2791E-01	5.4494E+02
2.3000E+01	4.0310E+01	1.9191E-00	6.5128E-01	4.6781E-00	2.7222E-00	1.7184E-00	7.0320E-01	6.0421E+02
2.4000E+01	4.1590E+01	1.8617E-00	6.3985E-01	4.9341E-00	2.7990E-00	1.7628E-00	6.7840E-01	6.6581E+02
2.5000E+01	4.2920E+01	1.8026E-00	6.2761E-01	5.2015E-00	2.8754E-00	1.8089E-00	6.5332E-01	7.3047E+02
2.6000E+01	4.4300E+01	1.7422E-00	6.1461E-01	5.4800E-00	2.9512E-00	1.8568E-00	6.2813E-01	7.9794E+02
2.7000E+01	4.5730E+01	1.6811E-00	6.0093E-01	5.7689E-00	3.0260E-00	1.9064E-00	6.0302E-01	8.6794E+02
2.8000E+01	4.7220E+01	1.6190E-00	5.8646E-01	6.0695E-00	3.1001E-00	1.9578E-00	5.7802E-01	9.4061E+02
2.9000E+01	4.8790E+01	1.5547E-00	5.7086E-01	6.3849E-00	3.1739E-00	2.0116E-00	5.5299E-01	1.0165E+03
3.0000E+01	5.0450E+01	1.4885E-00	5.5413E-01	6.7159E-00	3.2475E-00	2.0680E-00	5.2805E-01	1.0957E+03
3.1000E+01	5.2240E+01	1.4185E-00	5.3569E-01	7.0687E-00	3.3218E-00	2.1279E-00	5.0289E-01	1.1795E+03
3.2000E+01	5.4200E+01	1.3441E-00	5.1519E-01	7.4484E-00	3.3974E-00	2.1923E-00	4.7739E-01	1.2688E+03
3.3000E+01	5.6440E+01	1.2612E-00	4.9129E-01	7.8719E-00	3.4769E-00	2.2640E-00	4.5079E-01	1.3672E+03
3.4000E+01	5.9200E+01	1.1629E-00	4.6142E-01	8.3744E-00	3.5651E-00	2.3489E-00	4.2157E-01	1.4822E+03
3.5000E+01	6.2430E+01	9.9065E-01	4.0506E-01	9.2388E-00	3.7032E-00	2.4948E-00	3.7669E-01	1.6753E+03
3.5033E+01	6.5382E+01	9.5745E-01	3.9362E-01	9.4008E-00	3.7273E-00	2.5220E-00	3.6898E-01	1.7108E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 3.20$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S}{ft^2}$ $\frac{sec^2}{R}$
.0000E-99	1.8210E+01	3.2000E-00	8.1970E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.8890E+01	3.1434E-00	8.1486E-01	1.0855E-00	1.0603E-00	1.0237E-00	9.9994E-01	9.5749E-02
2.0000E-00	1.9590E+01	3.0891E-00	8.1005E-01	1.1763E-00	1.1228E-00	1.0476E-00	9.9956E-01	7.4955E-01
3.0000E-00	2.0310E+01	3.0366E-00	8.0524E-01	1.2726E-00	1.1874E-00	1.0717E-00	9.9857E-01	2.4498E-00
4.0000E-00	2.1060E+01	2.9828E-00	8.0013E-01	1.3759E-00	1.2548E-00	1.0965E-00	9.9669E-01	5.6787E-00
5.0000E-00	2.1830E+01	2.9305E-00	7.9500E-01	1.4852E-00	1.3241E-00	1.1216E-00	9.9372E-01	1.0799E+01
6.0000E-00	2.2630E+01	2.8768E-00	7.8954E-01	1.6020E-00	1.3960E-00	1.1476E-00	9.8942E-01	1.8234E+01
7.0000E-00	2.3450E+01	2.8243E-00	7.8402E-01	1.7252E-00	1.4694E-00	1.1741E-00	9.8369E-01	2.8201E+01
8.0000E-00	2.4290E+01	2.7728E-00	7.7842E-01	1.8548E-00	1.5441E-00	1.2012E-00	9.7643E-01	4.0914E+01
9.0000E-00	2.5160E+01	2.7197E-00	7.7244E-01	1.9927E-00	1.6210E-00	1.2293E-00	9.6747E-01	5.6740E+01
1.0000E+01	2.6050E+01	2.6674E-00	7.6635E-01	2.1373E-00	1.6988E-00	1.2581E-00	9.5686E-01	7.5665E+01
1.1000E+01	2.6970E+01	2.6134E-00	7.5984E-01	2.2905E-00	1.7783E-00	1.2880E-00	9.4447E-01	9.8031E+01
1.2000E+01	2.7910E+01	2.5602E-00	7.5318E-01	2.4508E-00	1.8584E-00	1.3187E-00	9.3046E-01	1.2368E+02
1.3000E+01	2.8870E+01	2.5075E-00	7.4635E-01	2.6183E-00	1.9388E-00	1.3504E-00	9.1490E-01	1.5261E+02
1.4000E+01	2.9860E+01	2.4533E-00	7.3908E-01	2.7947E-00	2.0203E-00	1.3833E-00	8.9771E-01	1.8516E+02
1.5000E+01	3.0880E+01	2.3977E-00	7.3133E-01	2.9802E-00	2.1025E-00	1.4174E-00	8.7899E-01	2.2132E+02
1.6000E+01	3.1920E+01	2.3428E-00	7.2339E-01	3.1731E-00	2.1845E-00	1.4525E-00	8.5904E-01	2.6071E+02
1.7000E+01	3.2980E+01	2.2885E-00	7.1525E-01	3.3732E-00	2.2659E-00	1.4886E-00	8.3804E-01	3.0319E+02
1.8000E+01	3.4070E+01	2.2330E-00	7.0663E-01	3.5825E-00	2.3475E-00	1.5260E-00	8.1593E-01	3.4906E+02
1.9000E+01	3.5190E+01	2.1767E-00	6.9753E-01	3.8009E-00	2.4289E-00	1.5648E-00	7.9289E-01	3.9822E+02
2.0000E+01	3.6340E+01	2.1196E-00	6.8796E-01	4.0283E-00	2.5099E-00	1.6049E-00	7.6908E-01	4.5053E+02
2.1000E+01	3.7510E+01	2.0636E-00	6.7820E-01	4.2626E-00	2.5895E-00	1.6460E-00	7.4490E-01	5.0536E+02
2.2000E+01	3.8720E+01	2.0057E-00	6.6773E-01	4.5077E-00	2.6691E-00	1.6888E-00	7.2010E-01	5.6346E+02
2.3000E+01	3.9960E+01	1.9479E-00	6.5685E-01	4.7612E-00	2.7475E-00	1.7328E-00	6.9507E-01	6.2416E+02
2.4000E+01	4.1240E+01	1.8889E-00	6.4532E-01	5.0249E-00	2.8253E-00	1.7785E-00	6.6979E-01	6.8774E+02
2.5000E+01	4.2560E+01	1.8293E-00	6.3320E-01	5.2985E-00	2.9022E-00	1.8256E-00	6.4444E-01	7.5395E+02
2.6000E+01	4.3920E+01	1.7694E-00	6.2053E-01	5.5815E-00	2.9779E-00	1.8742E-00	6.1919E-01	8.2254E+02
2.7000E+01	4.5340E+01	1.7075E-00	6.0691E-01	5.8775E-00	3.0532E-00	1.9250E-00	5.9385E-01	8.9422E+02
2.8000E+01	4.6810E+01	1.6453E-00	5.9267E-01	6.1838E-00	3.1273E-00	1.9773E-00	5.6881E-01	9.6817E+02
2.9000E+01	4.8360E+01	1.5807E-00	5.7725E-01	6.5056E-00	3.2012E-00	2.0322E-00	5.4374E-01	1.0455E+03
3.0000E+01	4.9990E+01	1.5146E-00	5.6083E-01	6.8418E-00	3.2745E-00	2.0894E-00	5.1890E-01	1.1257E+03
3.1000E+01	5.1740E+01	1.4451E-00	5.4279E-01	7.1991E-00	3.3483E-00	2.1500E-00	4.9396E-01	1.2102E+03
3.2000E+01	5.3650E+01	1.3710E-00	5.2272E-01	7.5830E-00	3.4232E-00	2.2151E-00	4.6874E-01	1.3002E+03
3.3000E+01	5.5790E+01	1.2906E-00	4.9989E-01	8.0036E-00	3.5006E-00	2.2863E-00	4.4289E-01	1.3975E+03
3.4000E+01	5.8350E+01	1.1975E-00	4.7211E-01	8.4906E-00	3.5846E-00	2.3686E-00	4.1515E-01	1.5085E+03
3.5000E+01	6.2060E+01	1.0688E-00	4.3127E-01	9.1573E-00	3.6908E-00	2.4810E-00	3.8066E-01	1.6573E+03
3.5327E+01	6.5428E+01	9.5851E-01	3.9398E-01	9.7142E-00	3.7727E-00	2.5748E-00	3.5462E-01	1.7789E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 3.25$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{\text{ft}^2 \cdot \text{sec}^2 \cdot ^\circ R}$
.0000E-99	1.7920E+01	3.2500E-00	8.2384E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.8600E+01	3.1917E-00	8.1900E-01	1.0870E-00	1.0613E-00	1.0241E-00	9.9994E-01	1.0141E-01
2.0000E-00	1.9290E+01	3.1390E-00	8.1448E-01	1.1781E-00	1.1240E-00	1.0480E-00	9.9955E-01	7.7013E-01
3.0000E-00	2.0020E+01	3.0818E-00	8.0939E-01	1.2776E-00	1.1907E-00	1.0729E-00	9.9850E-01	2.5708E-00
4.0000E-00	2.0760E+01	3.0296E-00	8.0459E-01	1.3815E-00	1.2584E-00	1.0978E-00	9.9656E-01	5.8970E-00
5.0000E-00	2.1530E+01	2.9760E-00	7.9947E-01	1.4929E-00	1.3289E-00	1.1234E-00	9.9347E-01	1.1229E+01
6.0000E-00	2.2330E+01	2.9209E-00	7.9404E-01	1.6122E-00	1.4021E-00	1.1498E-00	9.8900E-01	1.8972E+01
7.0000E-00	2.3150E+01	2.8672E-00	7.8854E-01	1.7379E-00	1.4768E-00	1.1768E-00	9.8304E-01	2.9348E+01
8.0000E-00	2.3990E+01	2.8145E-00	7.8297E-01	1.8703E-00	1.5529E-00	1.2044E-00	9.7549E-01	4.2579E+01
9.0000E-00	2.4860E+01	2.7602E-00	7.7702E-01	2.0112E-00	1.6311E-00	1.2330E-00	9.6617E-01	5.9041E+01
1.0000E+01	2.5750E+01	2.7067E-00	7.7095E-01	2.1591E-00	1.7103E-00	1.2624E-00	9.5516E-01	7.8716E+01
1.1000E+01	2.6670E+01	2.6516E-00	7.6446E-01	2.3160E-00	1.7912E-00	1.2929E-00	9.4231E-01	1.0195E+02
1.2000E+01	2.7600E+01	2.5995E-00	7.5811E-01	2.4783E-00	1.8718E-00	1.3240E-00	9.2796E-01	1.2828E+02
1.3000E+01	2.8570E+01	2.5434E-00	7.5103E-01	2.6516E-00	1.9545E-00	1.3566E-00	9.1170E-01	1.5861E+02
1.4000E+01	2.9560E+01	2.4880E-00	7.4377E-01	2.8324E-00	2.0373E-00	1.3902E-00	8.9395E-01	1.9236E+02
1.5000E+01	3.0570E+01	2.4333E-00	7.3631E-01	3.0208E-00	2.1200E-00	1.4248E-00	8.7483E-01	2.2946E+02
1.6000E+01	3.1610E+01	2.3770E-00	7.2838E-01	3.2186E-00	2.2033E-00	1.4608E-00	8.5429E-01	2.7023E+02
1.7000E+01	3.2670E+01	2.3215E-00	7.2023E-01	3.4240E-00	2.2860E-00	1.4977E-00	8.3268E-01	3.1419E+02
1.8000E+01	3.3760E+01	2.2647E-00	7.1160E-01	3.6389E-00	2.3688E-00	1.5361E-00	8.0998E-01	3.6163E+02
1.9000E+01	3.4870E+01	2.2088E-00	7.0275E-01	3.8612E-00	2.4507E-00	1.5755E-00	7.8656E-01	4.1198E+02
2.0000E+01	3.6020E+01	2.1503E-00	6.9315E-01	4.0948E-00	2.5329E-00	1.6166E-00	7.6217E-01	4.6601E+02
2.1000E+01	3.7190E+01	2.0929E-00	6.8334E-01	4.3357E-00	2.6137E-00	1.6588E-00	7.3744E-01	5.2263E+02
2.2000E+01	3.8390E+01	2.0350E-00	6.7308E-01	4.5857E-00	2.6936E-00	1.7024E-00	7.1232E-01	5.8209E+02
2.3000E+01	3.9630E+01	1.9756E-00	6.6212E-01	4.8466E-00	2.7731E-00	1.7476E-00	6.8680E-01	6.4471E+02
2.4000E+01	4.0900E+01	1.9164E-00	6.5075E-01	5.1160E-00	2.8513E-00	1.7942E-00	6.6125E-01	7.0976E+02
2.5000E+01	4.2210E+01	1.8564E-00	6.3877E-01	5.3956E-00	2.9286E-00	1.8423E-00	6.3566E-01	7.7749E+02
2.6000E+01	4.3560E+01	1.7959E-00	6.2621E-01	5.6852E-00	3.0047E-00	1.8920E-00	6.1019E-01	8.4766E+02
2.7000E+01	4.4970E+01	1.7333E-00	6.1265E-01	5.9883E-00	3.0805E-00	1.9439E-00	5.8466E-01	9.2100E+02
2.8000E+01	4.6430E+01	1.6703E-00	5.9845E-01	6.3022E-00	3.1549E-00	1.9975E-00	5.5944E-01	9.9667E+02
2.9000E+01	4.7960E+01	1.6055E-00	5.8324E-01	6.6303E-00	3.2288E-00	2.0534E-00	5.3438E-01	1.0753E+03
3.0000E+01	4.9570E+01	1.5390E-00	5.6696E-01	6.9735E-00	3.3022E-00	2.1117E-00	5.0954E-01	1.1570E+03
3.1000E+01	5.1280E+01	1.4702E-00	5.4940E-01	7.3346E-00	3.3752E-00	2.1730E-00	4.8486E-01	1.2421E+03
3.2000E+01	5.3140E+01	1.3970E-00	5.2985E-01	7.7220E-00	3.4493E-00	2.2386E-00	4.5999E-01	1.3325E+03
3.3000E+01	5.5210E+01	1.3176E-00	5.0768E-01	8.1445E-00	3.5255E-00	2.3101E-00	4.3463E-01	1.4298E+03
3.4000E+01	5.7620E+01	1.2284E-00	4.8149E-01	8.6221E-00	3.6063E-00	2.3908E-00	4.0804E-01	1.5381E+03
3.5000E+01	6.0810E+01	1.1152E-00	4.4631E-01	9.2251E-00	3.7011E-00	2.4924E-00	3.7735E-01	1.6723E+03
3.5609E+01	6.5473E+01	9.5954E-01	3.9434E-01	1.0032E+01	3.8169E-00	2.6284E-00	3.4077E-01	1.8473E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 3.30$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{c_p \Delta T}$, $\frac{ft^2}{sec^2 - ^\circ R}$
.0000E-99	1.7640E+01	3.3000E-00	8.2784E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.8310E+01	3.2432E-00	8.2328E-01	1.0872E-00	1.0615E-00	1.0242E-00	9.9994E-01	1.0227E-01
2.0000E-00	1.9010E+01	3.1855E-00	8.1848E-01	1.1813E-00	1.1262E-00	1.0489E-00	9.9952E-01	8.0941E-01
3.0000E-00	1.9730E+01	3.1300E-00	8.1369E-01	1.2812E-00	1.1931E-00	1.0738E-00	9.9845E-01	2.6616E-00
4.0000E-00	2.0480E+01	3.0733E-00	8.0862E-01	1.3886E-00	1.2629E-00	1.0994E-00	9.9640E-01	6.1805E-00
5.0000E-00	2.1250E+01	3.0184E-00	8.0352E-01	1.5022E-00	1.3347E-00	1.1255E-00	9.9317E-01	1.1756E+01
6.0000E-00	2.2040E+01	2.9649E-00	7.9840E-01	1.6223E-00	1.4082E-00	1.1520E-00	9.8856E-01	1.9730E+01
7.0000E-00	2.2860E+01	2.9099E-00	7.9293E-01	1.7507E-00	1.4843E-00	1.1795E-00	9.8236E-01	3.0526E+01
8.0000E-00	2.3700E+01	2.8561E-00	7.8739E-01	1.8859E-00	1.5617E-00	1.2076E-00	9.7452E-01	4.4286E+01
9.0000E-00	2.4570E+01	2.8006E-00	7.8147E-01	2.0299E-00	1.6413E-00	1.2367E-00	9.6485E-01	6.1396E+01
1.0000E+01	2.5460E+01	2.7460E-00	7.7543E-01	2.1811E-00	1.7218E-00	1.2667E-00	9.5343E-01	8.1834E+01
1.1000E+01	2.6370E+01	2.6921E-00	7.6926E-01	2.3398E-00	1.8032E-00	1.2975E-00	9.4027E-01	1.0568E+02
1.2000E+01	2.7310E+01	2.6365E-00	7.6265E-01	2.5077E-00	1.8861E-00	1.3295E-00	9.2527E-01	1.3327E+02
1.3000E+01	2.8270E+01	2.5815E-00	7.5587E-01	2.6833E-00	1.9693E-00	1.3625E-00	9.0864E-01	1.6438E+02
1.4000E+01	2.9260E+01	2.5249E-00	7.4863E-01	2.8685E-00	2.0534E-00	1.3969E-00	8.9033E-01	1.9932E+02
1.5000E+01	3.0270E+01	2.4689E-00	7.4119E-01	3.0615E-00	2.1375E-00	1.4322E-00	8.7063E-01	2.3772E+02
1.6000E+01	3.1310E+01	2.4114E-00	7.3326E-01	3.2643E-00	2.2220E-00	1.4690E-00	8.4950E-01	2.7989E+02
1.7000E+01	3.2370E+01	2.3546E-00	7.2512E-01	3.4750E-00	2.3060E-00	1.5069E-00	8.2729E-01	3.2533E+02
1.8000E+01	3.3460E+01	2.2965E-00	7.1648E-01	3.6955E-00	2.3901E-00	1.5461E-00	8.0400E-01	3.7435E+02
1.9000E+01	3.4570E+01	2.2393E-00	7.0762E-01	3.9238E-00	2.4731E-00	1.5865E-00	7.7999E-01	4.2636E+02
2.0000E+01	3.5710E+01	2.1811E-00	6.9826E-01	4.1617E-00	2.5557E-00	1.6284E-00	7.5526E-01	4.8164E+02
2.1000E+01	3.6880E+01	2.1223E-00	6.8842E-01	4.4092E-00	2.6376E-00	1.6716E-00	7.2999E-01	5.4005E+02
2.2000E+01	3.8080E+01	2.0630E-00	6.7810E-01	4.6662E-00	2.7186E-00	1.7164E-00	7.0437E-01	6.0137E+02
2.3000E+01	3.9310E+01	2.0036E-00	6.6733E-01	4.9324E-00	2.7985E-00	1.7625E-00	6.7857E-01	6.6539E+02
2.4000E+01	4.0570E+01	1.9442E-00	6.5614E-01	5.2074E-00	2.8770E-00	1.8099E-00	6.5278E-01	7.3188E+02
2.5000E+01	4.1880E+01	1.8825E-00	6.4405E-01	5.4953E-00	2.9552E-00	1.8594E-00	6.2677E-01	8.0166E+02
2.6000E+01	4.3220E+01	1.8217E-00	6.3161E-01	5.7913E-00	3.0317E-00	1.9102E-00	6.0112E-01	8.7337E+02
2.7000E+01	4.4620E+01	1.7584E-00	6.1815E-01	6.1015E-00	3.1078E-00	1.9633E-00	5.7542E-01	9.4834E+02
2.8000E+01	4.6060E+01	1.6956E-00	6.0423E-01	6.4208E-00	3.1821E-00	2.0177E-00	5.5023E-01	1.0251E+03
2.9000E+01	4.7570E+01	1.6308E-00	5.8925E-01	6.7549E-00	3.2559E-00	2.0746E-00	5.2519E-01	1.1050E+03
3.0000E+01	4.9160E+01	1.5639E-00	5.7314E-01	7.1050E-00	3.3292E-00	2.1341E-00	5.0038E-01	1.1881E+03
3.1000E+01	5.0850E+01	1.4944E-00	5.5567E-01	7.4740E-00	3.4024E-00	2.1966E-00	4.7573E-01	1.2748E+03
3.2000E+01	5.2670E+01	1.4216E-00	5.3651E-01	7.8663E-00	3.4759E-00	2.2631E-00	4.5113E-01	1.3659E+03
3.3000E+01	5.4670E+01	1.3438E-00	5.1511E-01	8.2896E-00	3.5506E-00	2.3346E-00	4.2633E-01	1.4629E+03
3.4000E+01	5.6960E+01	1.2576E-00	4.9021E-01	8.7615E-00	3.6289E-00	2.4143E-00	4.0067E-01	1.5694E+03
3.5000E+01	5.9850E+01	1.1527E-00	4.5822E-01	9.3332E-00	3.7173E-00	2.5107E-00	3.7217E-01	1.6960E+03
3.5881E+01	6.5518E+01	9.6055E-01	3.9469E-01	1.0356E+01	3.8601E-00	2.6829E-00	3.2741E-01	1.9159E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 3.35$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{\text{sec}^2 \cdot \text{ft}^2 \cdot \text{R}}$
.0000E-99	1.7368E+01	3.3500E-00	8.3173E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.8040E+01	3.2908E-00	8.2712E-01	1.0889E-00	1.0627E-00	1.0246E-00	9.9993E-01	1.0758E-01
2.0000E-00	1.8730E+01	3.2349E-00	8.2261E-01	1.1833E-00	1.1276E-00	1.0494E-00	9.9951E-01	8.3394E-01
3.0000E-00	1.9450E+01	3.1779E-00	8.1783E-01	1.2850E-00	1.1956E-00	1.0747E-00	9.9839E-01	2.7579E-00
4.0000E-00	2.0200E+01	3.1197E-00	8.1278E-01	1.3944E-00	1.2666E-00	1.1008E-00	9.9626E-01	6.4178E-00
5.0000E-00	2.0970E+01	3.0634E-00	8.0771E-01	1.5102E-00	1.3396E-00	1.1273E-00	9.9290E-01	1.2219E+01
6.0000E-00	2.1760E+01	3.0087E-00	8.0261E-01	1.6327E-00	1.4144E-00	1.1542E-00	9.8811E-01	2.0514E+01
7.0000E-00	2.2580E+01	2.9525E-00	7.9718E-01	1.7636E-00	1.4918E-00	1.1822E-00	9.8167E-01	3.1741E+01
8.0000E-00	2.3420E+01	2.8975E-00	7.9167E-01	1.9017E-00	1.5706E-00	1.2108E-00	9.7352E-01	4.6043E+01
9.0000E-00	2.4280E+01	2.8435E-00	7.8606E-01	2.0471E-00	1.6506E-00	1.2402E-00	9.6361E-01	6.3594E+01
1.0000E+01	2.5180E+01	2.7850E-00	7.7977E-01	2.2034E-00	1.7334E-00	1.2710E-00	9.5165E-01	8.5032E+01
1.1000E+01	2.6090E+01	2.7301E-00	7.7363E-01	2.3656E-00	1.8162E-00	1.3025E-00	9.3803E-01	1.0977E+02
1.2000E+01	2.7030E+01	2.6734E-00	7.6706E-01	2.5374E-00	1.9004E-00	1.3352E-00	9.2252E-01	1.3838E+02
1.3000E+01	2.7990E+01	2.6173E-00	7.6031E-01	2.7171E-00	1.9849E-00	1.3688E-00	9.0535E-01	1.7061E+02
1.4000E+01	2.8980E+01	2.5595E-00	7.5309E-01	2.9068E-00	2.0704E-00	1.4039E-00	8.8647E-01	2.0679E+02
1.5000E+01	2.9990E+01	2.5024E-00	7.4567E-01	3.1045E-00	2.1557E-00	1.4401E-00	8.6618E-01	2.4652E+02
1.6000E+01	3.1020E+01	2.4458E-00	7.3804E-01	3.3104E-00	2.2407E-00	1.4773E-00	8.4465E-01	2.8969E+02
1.7000E+01	3.2080E+01	2.3877E-00	7.2990E-01	3.5264E-00	2.3260E-00	1.5160E-00	8.2186E-01	3.3663E+02
1.8000E+01	3.3170E+01	2.3284E-00	7.2126E-01	3.7526E-00	2.4112E-00	1.5563E-00	7.9797E-01	3.8725E+02
1.9000E+01	3.4280E+01	2.2698E-00	7.1238E-01	3.9868E-00	2.4954E-00	1.5976E-00	7.7340E-01	4.4092E+02
2.0000E+01	3.5420E+01	2.2103E-00	7.0300E-01	4.2312E-00	2.5790E-00	1.6405E-00	7.4812E-01	4.9795E+02
2.1000E+01	3.6580E+01	2.1518E-00	6.9340E-01	4.4832E-00	2.6613E-00	1.6845E-00	7.2254E-01	5.5764E+02
2.2000E+01	3.7780E+01	2.0911E-00	6.8304E-01	4.7473E-00	2.7433E-00	1.7304E-00	6.9642E-01	6.2083E+02
2.3000E+01	3.9000E+01	2.0317E-00	6.7248E-01	5.0187E-00	2.8235E-00	1.7774E-00	6.7038E-01	6.8623E+02
2.4000E+01	4.0260E+01	1.9708E-00	6.6121E-01	5.3015E-00	2.9030E-00	1.8261E-00	6.4416E-01	7.5469E+02
2.5000E+01	4.1560E+01	1.9089E-00	6.4927E-01	5.5956E-00	2.9816E-00	1.8767E-00	6.1796E-01	8.2595E+02
2.6000E+01	4.2900E+01	1.8464E-00	6.3672E-01	5.9003E-00	3.0589E-00	1.9289E-00	5.9195E-01	8.9973E+02
2.7000E+01	4.4280E+01	1.7837E-00	6.2361E-01	6.2152E-00	3.1347E-00	1.9827E-00	5.6630E-01	9.7575E+02
2.8000E+01	4.5720E+01	1.7192E-00	6.0952E-01	6.5443E-00	3.2098E-00	2.0387E-00	5.4082E-01	1.0547E+03
2.9000E+01	4.7210E+01	1.6545E-00	5.9481E-01	6.8843E-00	3.2835E-00	2.0966E-00	5.1586E-01	1.1358E+03
3.0000E+01	4.8780E+01	1.5875E-00	5.7891E-01	7.2410E-00	3.3567E-00	2.1571E-00	4.9112E-01	1.2201E+03
3.1000E+01	5.0440E+01	1.5184E-00	5.6178E-01	7.6154E-00	3.4293E-00	2.2206E-00	4.6668E-01	1.3077E+03
3.2000E+01	5.2230E+01	1.4453E-00	5.4285E-01	8.0144E-00	3.5025E-00	2.2881E-00	4.4225E-01	1.4000E+03
3.3000E+01	5.4170E+01	1.3689E-00	5.2213E-01	8.4396E-00	3.5761E-00	2.3600E-00	4.1795E-01	1.4970E+03
3.4000E+01	5.6370E+01	1.2846E-00	4.9815E-01	8.9103E-00	3.6526E-00	2.4394E-00	3.9299E-01	1.6026E+03
3.5000E+01	5.9050E+01	1.1855E-00	4.6841E-01	9.4632E-00	3.7365E-00	2.5326E-00	3.6606E-01	1.7244E+03
3.6000E+01	6.3380E+01	1.0339E-00	4.1968E-01	1.0297E+01	3.8524E-00	2.6730E-00	3.2978E-01	1.9035E+03
3.6142E+01	6.5562E+01	9.6152E-01	3.9503E-01	1.0685E+01	3.9023E-00	2.7381E-00	3.1453E-01	1.9848E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 3.50$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{ft^2}{sec^2 \cdot ^\circ R}$
.0000E-99	1.6602E+01	3.5000E-00	8.4268E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.7270E+01	3.4368E-00	8.3820E-01	1.0929E-00	1.0655E-00	1.0257E-00	9.9992E-01	1.2234E-01
2.0000E-00	1.7960E+01	3.3761E-00	8.3372E-01	1.1922E-00	1.1336E-00	1.0516E-00	9.9944E-01	9.5005E-01
3.0000E-00	1.8670E+01	3.3182E-00	8.2928E-01	1.2978E-00	1.2040E-00	1.0778E-00	9.9819E-01	3.0981E-00
4.0000E-00	1.9420E+01	3.2556E-00	8.2429E-01	1.4132E-00	1.2787E-00	1.1052E-00	9.9579E-01	7.2259E-00
5.0000E-00	2.0180E+01	3.1987E-00	8.1959E-01	1.5341E-00	1.3544E-00	1.1326E-00	9.9206E-01	1.3662E+01
6.0000E-00	2.0970E+01	3.1403E-00	8.1459E-01	1.6637E-00	1.4330E-00	1.1609E-00	9.8670E-01	2.2960E+01
7.0000E-00	2.1790E+01	3.0803E-00	8.0926E-01	1.8026E-00	1.5143E-00	1.1903E-00	9.7950E-01	3.5527E+01
8.0000E-00	2.2630E+01	3.0219E-00	8.0386E-01	1.9492E-00	1.5970E-00	1.2205E-00	9.7042E-01	5.1510E+01
9.0000E-00	2.3500E+01	2.9617E-00	7.9808E-01	2.1057E-00	1.6820E-00	1.2518E-00	9.5927E-01	7.1338E+01
1.0000E+01	2.4380E+01	2.9054E-00	7.9248E-01	2.2685E-00	1.7670E-00	1.2837E-00	9.4632E-01	9.4678E+01
1.1000E+01	2.5300E+01	2.8444E-00	7.8616E-01	2.4434E-00	1.8547E-00	1.3173E-00	9.3112E-01	1.2245E+02
1.2000E+01	2.6240E+01	2.7844E-00	7.7970E-01	2.6270E-00	1.9430E-00	1.3520E-00	9.1406E-01	1.5418E+02
1.3000E+01	2.7200E+01	2.7250E-00	7.7305E-01	2.8194E-00	2.0314E-00	1.3878E-00	8.9525E-01	1.8986E+02
1.4000E+01	2.8180E+01	2.6662E-00	7.6621E-01	3.0205E-00	2.1199E-00	1.4248E-00	8.7485E-01	2.2941E+02
1.5000E+01	2.9190E+01	2.6056E-00	7.5887E-01	3.2327E-00	2.2091E-00	1.4633E-00	8.5281E-01	2.7320E+02
1.6000E+01	3.0230E+01	2.5433E-00	7.5101E-01	3.4560E-00	2.2986E-00	1.5035E-00	8.2930E-01	3.2117E+02
1.7000E+01	3.1280E+01	2.4838E-00	7.4320E-01	3.6862E-00	2.3866E-00	1.5445E-00	8.0498E-01	3.7225E+02
1.8000E+01	3.2360E+01	2.4228E-00	7.3486E-01	3.9276E-00	2.4744E-00	1.5872E-00	7.7960E-01	4.2723E+02
1.9000E+01	3.3470E+01	2.3604E-00	7.2598E-01	4.1801E-00	2.5619E-00	1.6316E-00	7.5336E-01	4.8597E+02
2.0000E+01	3.4600E+01	2.2989E-00	7.1684E-01	4.4416E-00	2.6480E-00	1.6773E-00	7.2673E-01	5.4773E+02
2.1000E+01	3.5760E+01	2.2364E-00	7.0717E-01	4.7141E-00	2.7332E-00	1.7247E-00	6.9967E-01	6.1286E+02
2.2000E+01	3.6950E+01	2.1733E-00	6.9697E-01	4.9975E-00	2.8174E-00	1.7737E-00	6.7238E-01	6.8112E+02
2.3000E+01	3.8160E+01	2.1114E-00	6.8655E-01	5.2891E-00	2.8996E-00	1.8240E-00	6.4529E-01	7.5169E+02
2.4000E+01	3.9410E+01	2.0477E-00	6.7536E-01	5.5936E-00	2.9811E-00	1.8763E-00	6.1813E-01	8.2548E+02
2.5000E+01	4.0690E+01	1.9841E-00	6.6371E-01	5.9081E-00	3.0608E-00	1.9302E-00	5.9130E-01	9.0162E+02
2.6000E+01	4.2010E+01	1.9196E-00	6.5138E-01	6.2347E-00	3.1392E-00	1.9860E-00	5.6476E-01	9.8042E+02
2.7000E+01	4.3370E+01	1.8547E-00	6.3842E-01	6.5728E-00	3.2162E-00	2.0436E-00	5.3867E-01	1.0615E+03
2.8000E+01	4.4770E+01	1.7897E-00	6.2489E-01	6.9218E-00	3.2914E-00	2.1029E-00	5.1319E-01	1.1447E+03
2.9000E+01	4.6230E+01	1.7230E-00	6.1037E-01	7.2859E-00	3.3656E-00	2.1647E-00	4.8811E-01	1.2307E+03
3.0000E+01	4.7760E+01	1.6543E-00	5.9476E-01	7.6665E-00	3.4390E-00	2.2292E-00	4.6346E-01	1.3196E+03
3.1000E+01	4.9360E+01	1.5846E-00	5.7821E-01	8.0625E-00	3.5111E-00	2.2962E-00	4.3942E-01	1.4110E+03
3.2000E+01	5.1050E+01	1.5132E-00	5.6046E-01	8.4770E-00	3.5823E-00	2.3663E-00	4.1589E-01	1.5054E+03
3.3000E+01	5.2880E+01	1.4374E-00	5.4075E-01	8.9200E-00	3.6541E-00	2.4410E-00	3.9250E-01	1.6048E+03
3.4000E+01	5.4890E+01	1.3567E-00	5.1874E-01	9.3974E-00	3.7268E-00	2.5215E-00	3.6914E-01	1.7101E+03
3.5000E+01	5.7190E+01	1.2675E-00	4.9313E-01	9.9289E-00	3.8027E-00	2.6109E-00	3.4521E-01	1.8251E+03
3.6000E+01	6.0090E+01	1.1593E-00	4.6028E-01	1.0571E+01	3.8879E-00	2.7190E-00	3.1891E-01	1.9610E+03
3.6866E+01	6.5689E+01	9.6424E-01	3.9597E-01	1.1702E+01	4.0229E-00	2.9090E-00	2.7872E-01	2.1922E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 3.55$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{sec^2 - O_R}$
.0000E-99	1.6361E+01	3.5500E-00	8.4614E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.7030E+01	3.4848E-00	8.4163E-01	1.0944E-00	1.0665E-00	1.0261E-00	9.9992E-01	1.2766E-01
2.0000E-00	1.7720E+01	3.4225E-00	8.3716E-01	1.1953E-00	1.1357E-00	1.0524E-00	9.9942E-01	9.9344E-01
3.0000E-00	1.8430E+01	3.3632E-00	8.3275E-01	1.3028E-00	1.2073E-00	1.0791E-00	9.9811E-01	3.2365E-00
4.0000E-00	1.9170E+01	3.3028E-00	8.2807E-01	1.4187E-00	1.2822E-00	1.1064E-00	9.9565E-01	7.4697E-00
5.0000E-00	1.9940E+01	3.2411E-00	8.2312E-01	1.5433E-00	1.3601E-00	1.1346E-00	9.9173E-01	1.4245E+01
6.0000E-00	2.0730E+01	3.1816E-00	8.1814E-01	1.6754E-00	1.4400E-00	1.1635E-00	9.8615E-01	2.3917E+01
7.0000E-00	2.1540E+01	3.1237E-00	8.1314E-01	1.8152E-00	1.5215E-00	1.1930E-00	9.7878E-01	3.6800E+01
8.0000E-00	2.2380E+01	3.0641E-00	8.0778E-01	1.9648E-00	1.6056E-00	1.2236E-00	9.6938E-01	5.3354E+01
9.0000E-00	2.3250E+01	3.0027E-00	8.0204E-01	2.1243E-00	1.6919E-00	1.2555E-00	9.5786E-01	7.3879E+01
1.0000E+01	2.4140E+01	2.9425E-00	7.9619E-01	2.2924E-00	1.7793E-00	1.2884E-00	9.4431E-01	9.8321E+01
1.1000E+01	2.5050E+01	2.8833E-00	7.9021E-01	2.4692E-00	1.8673E-00	1.3222E-00	9.2880E-01	1.2674E+02
1.2000E+01	2.5990E+01	2.8221E-00	7.8378E-01	2.6567E-00	1.9569E-00	1.3576E-00	9.1121E-01	1.5954E+02
1.3000E+01	2.6950E+01	2.7616E-00	7.7718E-01	2.8533E-00	2.0466E-00	1.3941E-00	8.9186E-01	1.9638E+02
1.4000E+01	2.7940E+01	2.6992E-00	7.7008E-01	3.0611E-00	2.1373E-00	1.4322E-00	8.7067E-01	2.3763E+02
1.5000E+01	2.8950E+01	2.6375E-00	7.6277E-01	3.2782E-00	2.2277E-00	1.4715E-00	8.4804E-01	2.8283E+02
1.6000E+01	2.9980E+01	2.5764E-00	7.5523E-01	3.5046E-00	2.3175E-00	1.5121E-00	8.2417E-01	3.3182E+02
1.7000E+01	3.1040E+01	2.5136E-00	7.4715E-01	3.7425E-00	2.4075E-00	1.5545E-00	7.9904E-01	3.8496E+02
1.8000E+01	3.2120E+01	2.4515E-00	7.3882E-01	3.9898E-00	2.4964E-00	1.5982E-00	7.7310E-01	4.4160E+02
1.9000E+01	3.3220E+01	2.3900E-00	7.3023E-01	4.2463E-00	2.5841E-00	1.6432E-00	7.4657E-01	5.0152E+02
2.0000E+01	3.4350E+01	2.3273E-00	7.2110E-01	4.5143E-00	2.6712E-00	1.6900E-00	7.1943E-01	5.6505E+02
2.1000E+01	3.5510E+01	2.2635E-00	7.1141E-01	4.7938E-00	2.7574E-00	1.7385E-00	6.9190E-01	6.3201E+02
2.2000E+01	3.6690E+01	2.2008E-00	7.0147E-01	5.0821E-00	2.8417E-00	1.7883E-00	6.6442E-01	7.0156E+02
2.3000E+01	3.7910E+01	2.1359E-00	6.9073E-01	5.3839E-00	2.9254E-00	1.8403E-00	6.3671E-01	7.7464E+02
2.4000E+01	3.9150E+01	2.0724E-00	6.7977E-01	5.6940E-00	3.0070E-00	1.8935E-00	6.0943E-01	8.4979E+02
2.5000E+01	4.0430E+01	2.0075E-00	6.6806E-01	6.0170E-00	3.0874E-00	1.9488E-00	5.8230E-01	9.2793E+02
2.6000E+01	4.1740E+01	1.9430E-00	6.5591E-01	6.3500E-00	3.1660E-00	2.0056E-00	5.5570E-01	1.0081E+03
2.7000E+01	4.3090E+01	1.8778E-00	6.4310E-01	6.6950E-00	3.2430E-00	2.0644E-00	5.2959E-01	1.0907E+03
2.8000E+01	4.4490E+01	1.8113E-00	6.2945E-01	7.0539E-00	3.3188E-00	2.1254E-00	5.0392E-01	1.1760E+03
2.9000E+01	4.5940E+01	1.7441E-00	6.1504E-01	7.4259E-00	3.3931E-00	2.1885E-00	4.7886E-01	1.2635E+03
3.0000E+01	4.7450E+01	1.6758E-00	5.9972E-01	7.8127E-00	3.4661E-00	2.2540E-00	4.5440E-01	1.3535E+03
3.1000E+01	4.9030E+01	1.6062E-00	5.8342E-01	8.2155E-00	3.5379E-00	2.3221E-00	4.3054E-01	1.4460E+03
3.2000E+01	5.0710E+01	1.5337E-00	5.6563E-01	8.6404E-00	3.6093E-00	2.3938E-00	4.0707E-01	1.5422E+03
3.3000E+01	5.2500E+01	1.4589E-00	5.4642E-01	9.0875E-00	3.6802E-00	2.4692E-00	3.8409E-01	1.6419E+03
3.4000E+01	5.4460E+01	1.3791E-00	5.2496E-01	9.5685E-00	3.7518E-00	2.5503E-00	3.6120E-01	1.7473E+03
3.5000E+01	5.6690E+01	1.2911E-00	5.0003E-01	1.0102E+01	3.8263E-00	2.6401E-00	3.3785E-01	1.8621E+03
3.6000E+01	5.9400E+01	1.1883E-00	4.6930E-01	1.0726E+01	3.9075E-00	2.7450E-00	3.1297E-01	1.9933E+03
3.7000E+01	6.4010E+01	1.0234E-00	4.1617E-01	1.1712E+01	4.0240E-00	2.9107E-00	2.7839E-01	2.1942E+03
3.7090E+01	6.5729E+01	9.6513E-01	3.9628E-01	1.2052E+01	4.0611E-00	2.9676E-00	2.6768E-01	2.2615E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 3.60$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{\text{ft}^2/\text{sec}^2 - O_R}$
.0000E-99	1.6128E+01	3.6000E-00	8.4946E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.6790E+01	3.5356E-00	8.4516E-01	1.0949E-00	1.0669E-00	1.0262E-00	9.9992E-01	1.3023E-01
2.0000E-00	1.7480E+01	3.4717E-00	8.4071E-01	1.1975E-00	1.1372E-00	1.0530E-00	9.9940E-01	1.0246E-00
3.0000E-00	1.8190E+01	3.4109E-00	8.3631E-01	1.3067E-00	1.2099E-00	1.0800E-00	9.9805E-01	3.3475E-00
4.0000E-00	1.8930E+01	3.3490E-00	8.3166E-01	1.4246E-00	1.2859E-00	1.1078E-00	9.9550E-01	7.7378E-00
5.0000E-00	1.9700E+01	3.2860E-00	8.2674E-01	1.5514E-00	1.3651E-00	1.1364E-00	9.9143E-01	1.4766E+01
6.0000E-00	2.0490E+01	3.2252E-00	8.2180E-01	1.6860E-00	1.4462E-00	1.1657E-00	9.8565E-01	2.4794E+01
7.0000E-00	2.1300E+01	3.1662E-00	8.1684E-01	1.8284E-00	1.5291E-00	1.1957E-00	9.7801E-01	3.8145E+01
8.0000E-00	2.2140E+01	3.1055E-00	8.1152E-01	1.9808E-00	1.6145E-00	1.2269E-00	9.6829E-01	5.5291E+01
9.0000E-00	2.3010E+01	3.0430E-00	8.0583E-01	2.1436E-00	1.7021E-00	1.2593E-00	9.5637E-01	7.6537E+01
1.0000E+01	2.3900E+01	2.9817E-00	8.0002E-01	2.3151E-00	1.7908E-00	1.2927E-00	9.4239E-01	1.0181E+02
1.1000E+01	2.4810E+01	2.9214E-00	7.9409E-01	2.4955E-00	1.8802E-00	1.3272E-00	9.2639E-01	1.3120E+02
1.2000E+01	2.5750E+01	2.8591E-00	7.8770E-01	2.6871E-00	1.9710E-00	1.3632E-00	9.0828E-01	1.6507E+02
1.3000E+01	2.6710E+01	2.7975E-00	7.8114E-01	2.8879E-00	2.0621E-00	1.4005E-00	8.8837E-01	2.0310E+02
1.4000E+01	2.7700E+01	2.7340E-00	7.7408E-01	3.1004E-00	2.1540E-00	1.4393E-00	8.6661E-01	2.4566E+02
1.5000E+01	2.8710E+01	2.6712E-00	7.6680E-01	3.3224E-00	2.2456E-00	1.4795E-00	8.4339E-01	2.9226E+02
1.6000E+01	2.9740E+01	2.6090E-00	7.5929E-01	3.5540E-00	2.3366E-00	1.5210E-00	8.1894E-01	3.4274E+02
1.7000E+01	3.0800E+01	2.5450E-00	7.5123E-01	3.7976E-00	2.4277E-00	1.5642E-00	7.9324E-01	3.9746E+02
1.8000E+01	3.1880E+01	2.4817E-00	7.4292E-01	4.0508E-00	2.5176E-00	1.6089E-00	7.6675E-01	4.5575E+02
1.9000E+01	3.2980E+01	2.4191E-00	7.3434E-01	4.3135E-00	2.6064E-00	1.6549E-00	7.3970E-01	5.1738E+02
2.0000E+01	3.4110E+01	2.3551E-00	7.2520E-01	4.5882E-00	2.6944E-00	1.7028E-00	7.1207E-01	5.8269E+02
2.1000E+01	3.5270E+01	2.2901E-00	7.1551E-01	4.8747E-00	2.7815E-00	1.7525E-00	6.8409E-01	6.5149E+02
2.2000E+01	3.6450E+01	2.2262E-00	7.0555E-01	5.1704E-00	2.8667E-00	1.8035E-00	6.5620E-01	7.2292E+02
2.3000E+01	3.7660E+01	2.1617E-00	6.9506E-01	5.4774E-00	2.9505E-00	1.8564E-00	6.2836E-01	7.9732E+02
2.4000E+01	3.8900E+01	2.0969E-00	6.8405E-01	5.7957E-00	3.0328E-00	1.9110E-00	6.0075E-01	8.7442E+02
2.5000E+01	4.0170E+01	2.0321E-00	6.7255E-01	6.1247E-00	3.1133E-00	1.9672E-00	5.7355E-01	9.5393E+02
2.6000E+01	4.1480E+01	1.9661E-00	6.6032E-01	6.4667E-00	3.1925E-00	2.0255E-00	5.4671E-01	1.0361E+03
2.7000E+01	4.2830E+01	1.8995E-00	6.4743E-01	6.8212E-00	3.2701E-00	2.0859E-00	5.2039E-01	1.1208E+03
2.8000E+01	4.4220E+01	1.8328E-00	6.3392E-01	7.1875E-00	3.3459E-00	2.1481E-00	4.9474E-01	1.2075E+03
2.9000E+01	4.5660E+01	1.7652E-00	6.1962E-01	7.5675E-00	3.4203E-00	2.2125E-00	4.6972E-01	1.2966E+03
3.0000E+01	4.7150E+01	1.6974E-00	6.0462E-01	7.9601E-00	3.4928E-00	2.2789E-00	4.4548E-01	1.3875E+03
3.1000E+01	4.8720E+01	1.6269E-00	5.8835E-01	8.3722E-00	3.5647E-00	2.3486E-00	4.2169E-01	1.4817E+03
3.2000E+01	5.0380E+01	1.5542E-00	5.7075E-01	8.8047E-00	3.6358E-00	2.4216E-00	3.9842E-01	1.5791E+03
3.3000E+01	5.2140E+01	1.4798E-00	5.5189E-01	9.2581E-00	3.7061E-00	2.4980E-00	3.7576E-01	1.6795E+03
3.4000E+01	5.4070E+01	1.3998E-00	5.3063E-01	9.7470E-00	3.7773E-00	2.5803E-00	3.5316E-01	1.7860E+03
3.5000E+01	5.6220E+01	1.3140E-00	5.0666E-01	1.0279E+01	3.8500E-00	2.6698E-00	3.3054E-01	1.8996E+03
3.6000E+01	5.8790E+01	1.2150E-00	4.7746E-01	1.0893E+01	3.9282E-00	2.7731E-00	3.0673E-01	2.0279E+03
3.7000E+01	6.2540E+01	1.0776E-00	4.3414E-01	1.1738E+01	4.0268E-00	2.9149E-00	2.7757E-01	2.1993E+03
3.7306E+01	6.5769E+01	9.6597E-01	3.9657E-01	1.2406E+01	4.0985E-00	3.0270E-00	2.5707E-01	2.3309E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 3.65$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S}{ft^2}$ sec ² -°R
.0000E-99	1.5901E+01	3.6500E-00	8.5270E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.6560E+01	3.5852E-00	8.4849E-01	1.0959E-00	1.0676E-00	1.0265E-00	9.9992E-01	1.3384E-01
2.0000E-00	1.7250E+01	3.5196E-00	8.4406E-01	1.2001E-00	1.1389E-00	1.0536E-00	9.9938E-01	1.0613E-00
3.0000E-00	1.7960E+01	3.4573E-00	8.3968E-01	1.3111E-00	1.2128E-00	1.0811E-00	9.9797E-01	3.4751E-00
4.0000E-00	1.8700E+01	3.3941E-00	8.3506E-01	1.4310E-00	1.2900E-00	1.1093E-00	9.9532E-01	8.0358E-00
5.0000E-00	1.9470E+01	3.3297E-00	8.3017E-01	1.5601E-00	1.3704E-00	1.1384E-00	9.9110E-01	1.5332E+01
6.0000E-00	2.0260E+01	3.2677E-00	8.2528E-01	1.6970E-00	1.4528E-00	1.1681E-00	9.8511E-01	2.5735E+01
7.0000E-00	2.1070E+01	3.2077E-00	8.2035E-01	1.8421E-00	1.5369E-00	1.1985E-00	9.7720E-01	3.9576E+01
8.0000E-00	2.1910E+01	3.1459E-00	8.1508E-01	1.9975E-00	1.6236E-00	1.2302E-00	9.6713E-01	5.7336E+01
9.0000E-00	2.2780E+01	3.0822E-00	8.0943E-01	2.1635E-00	1.7126E-00	1.2632E-00	9.5482E-01	7.9325E+01
1.0000E+01	2.3670E+01	3.0199E-00	8.0367E-01	2.3384E-00	1.8026E-00	1.2972E-00	9.4038E-01	1.0547E+02
1.1000E+01	2.4580E+01	2.9586E-00	7.9778E-01	2.5226E-00	1.8933E-00	1.3324E-00	9.2389E-01	1.3583E+02
1.2000E+01	2.5520E+01	2.8953E-00	7.9144E-01	2.7182E-00	1.9854E-00	1.3691E-00	9.0525E-01	1.7081E+02
1.3000E+01	2.6480E+01	2.8327E-00	7.8492E-01	2.9234E-00	2.0777E-00	1.4070E-00	8.8478E-01	2.1006E+02
1.4000E+01	2.7470E+01	2.7681E-00	7.7790E-01	3.1406E-00	2.1709E-00	1.4466E-00	8.6243E-01	2.5395E+02
1.5000E+01	2.8480E+01	2.7042E-00	7.7066E-01	3.3676E-00	2.2637E-00	1.4876E-00	8.3864E-01	3.0196E+02
1.6000E+01	2.9510E+01	2.6409E-00	7.6318E-01	3.6045E-00	2.3558E-00	1.5300E-00	8.1361E-01	3.5395E+02
1.7000E+01	3.0570E+01	2.5757E-00	7.5515E-01	3.8537E-00	2.4480E-00	1.5742E-00	7.8734E-01	4.1027E+02
1.8000E+01	3.1650E+01	2.5113E-00	7.4685E-01	4.1129E-00	2.5390E-00	1.6198E-00	7.6031E-01	4.7022E+02
1.9000E+01	3.2750E+01	2.4476E-00	7.3829E-01	4.3820E-00	2.6287E-00	1.6669E-00	7.3275E-01	5.3358E+02
2.0000E+01	3.3880E+01	2.3824E-00	7.2915E-01	4.6634E-00	2.7177E-00	1.7159E-00	7.0465E-01	6.0069E+02
2.1000E+01	3.5030E+01	2.3182E-00	7.1974E-01	4.9544E-00	2.8049E-00	1.7663E-00	6.7647E-01	6.7072E+02
2.2000E+01	3.6210E+01	2.2529E-00	7.0976E-01	5.2575E-00	2.8909E-00	1.8186E-00	6.4818E-01	7.4402E+02
2.3000E+01	3.7420E+01	2.1871E-00	6.9924E-01	5.5724E-00	2.9755E-00	1.8727E-00	6.1998E-01	8.2034E+02
2.4000E+01	3.8660E+01	2.1210E-00	6.8819E-01	5.8989E-00	3.0585E-00	1.9286E-00	5.9207E-01	8.9939E+02
2.5000E+01	3.9930E+01	2.0548E-00	6.7664E-01	6.2366E-00	3.1397E-00	1.9863E-00	5.6461E-01	9.8088E+02
2.6000E+01	4.1230E+01	1.9890E-00	6.6462E-01	6.5850E-00	3.2189E-00	2.0457E-00	5.3776E-01	1.0645E+03
2.7000E+01	4.2570E+01	1.9223E-00	6.5190E-01	6.9464E-00	3.2965E-00	2.1071E-00	5.1145E-01	1.1505E+03
2.8000E+01	4.3950E+01	1.8553E-00	6.3854E-01	7.3200E-00	3.3723E-00	2.1705E-00	4.8584E-01	1.2387E+03
2.9000E+01	4.5390E+01	1.7860E-00	6.2410E-01	7.7106E-00	3.4472E-00	2.2367E-00	4.6070E-01	1.3298E+03
3.0000E+01	4.6870E+01	1.7177E-00	6.0920E-01	8.1117E-00	3.5197E-00	2.3046E-00	4.3654E-01	1.4223E+03
3.1000E+01	4.8430E+01	1.6466E-00	5.9297E-01	8.5330E-00	3.5916E-00	2.3757E-00	4.1284E-01	1.5181E+03
3.2000E+01	5.0070E+01	1.5740E-00	5.7561E-01	8.9730E-00	3.6624E-00	2.4499E-00	3.8981E-01	1.6166E+03
3.3000E+01	5.1810E+01	1.4992E-00	5.5690E-01	9.4348E-00	3.7324E-00	2.5278E-00	3.6738E-01	1.7182E+03
3.4000E+01	5.3690E+01	1.4208E-00	5.3632E-01	9.9262E-00	3.8023E-00	2.6105E-00	3.4532E-01	1.8245E+03
3.5000E+01	5.5790E+01	1.3356E-00	5.1281E-01	1.0463E+01	3.8740E-00	2.7008E-00	3.2316E-01	1.9384E+03
3.6000E+01	5.8250E+01	1.2394E-00	4.8480E-01	1.1072E+01	3.9499E-00	2.8032E-00	3.0022E-01	2.0647E+03
3.7000E+01	6.1580E+01	1.1150E-00	4.4627E-01	1.1855E+01	4.0398E-00	2.9346E-00	2.7381E-01	2.2227E+03
3.7513E+01	6.5809E+01	9.6672E-01	3.9683E-01	1.2766E+01	4.1349E-00	3.0874E-00	2.4687E-01	2.4004E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 3.70$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S,}{\frac{r t^2}{\text{sec}^2 \cdot ^\circ \text{R}}}$
.0000E-99	1.5680E+01	3.7000E-00	8.5585E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.6340E+01	3.6332E-00	8.5163E-01	1.0974E-00	1.0686E-00	1.0269E-00	9.9991E-01	1.3967E-01
2.0000E-00	1.7030E+01	3.5660E-00	8.4721E-01	1.2032E-00	1.1411E-00	1.0544E-00	9.9935E-01	1.1080E-00
3.0000E-00	1.7740E+01	3.5023E-00	8.4286E-01	1.3161E-00	1.2160E-00	1.0823E-00	9.9789E-01	3.6234E-00
4.0000E-00	1.8480E+01	3.4377E-00	8.3827E-01	1.4380E-00	1.2944E-00	1.1109E-00	9.9513E-01	8.3682E-00
5.0000E-00	1.9240E+01	3.3759E-00	8.3370E-01	1.5676E-00	1.3750E-00	1.1400E-00	9.9081E-01	1.5834E+01
6.0000E-00	2.0030E+01	3.3127E-00	8.2884E-01	1.7070E-00	1.4587E-00	1.1702E-00	9.8462E-01	2.6594E+01
7.0000E-00	2.0850E+01	3.2479E-00	8.2367E-01	1.8566E-00	1.5451E-00	1.2015E-00	9.7633E-01	4.1103E+01
8.0000E-00	2.1690E+01	3.1851E-00	8.1844E-01	2.0149E-00	1.6331E-00	1.2337E-00	9.6591E-01	5.9502E+01
9.0000E-00	2.2550E+01	3.1237E-00	8.1313E-01	2.1821E-00	1.7224E-00	1.2669E-00	9.5334E-01	8.1978E+01
1.0000E+01	2.3440E+01	3.0603E-00	8.0743E-01	2.3606E-00	1.8137E-00	1.3015E-00	9.3847E-01	1.0897E+02
1.1000E+01	2.4360E+01	2.9948E-00	8.0129E-01	2.5506E-00	1.9067E-00	1.3376E-00	9.2129E-01	1.4066E+02
1.2000E+01	2.5300E+01	2.9305E-00	7.9500E-01	2.7503E-00	2.0001E-00	1.3750E-00	9.0210E-01	1.7678E+02
1.3000E+01	2.6260E+01	2.8669E-00	7.8852E-01	2.9599E-00	2.0937E-00	1.4137E-00	8.8107E-01	2.1727E+02
1.4000E+01	2.7250E+01	2.8012E-00	7.8154E-01	3.1817E-00	2.1881E-00	1.4541E-00	8.5814E-01	2.6251E+02
1.5000E+01	2.8260E+01	2.7363E-00	7.7433E-01	3.4138E-00	2.2820E-00	1.4959E-00	8.3376E-01	3.1197E+02
1.6000E+01	2.9290E+01	2.6719E-00	7.6689E-01	3.6561E-00	2.3753E-00	1.5391E-00	8.0816E-01	3.6548E+02
1.7000E+01	3.0340E+01	2.6081E-00	7.5918E-01	3.9086E-00	2.4677E-00	1.5838E-00	7.8158E-01	4.2286E+02
1.8000E+01	3.1420E+01	2.5425E-00	7.5091E-01	4.1738E-00	2.5598E-00	1.6305E-00	7.5402E-01	4.8447E+02
1.9000E+01	3.2530E+01	2.4753E-00	7.4206E-01	4.4518E-00	2.6512E-00	1.6791E-00	7.2571E-01	5.5015E+02
2.0000E+01	3.3650E+01	2.4111E-00	7.3322E-01	4.7373E-00	2.7403E-00	1.7287E-00	6.9739E-01	6.1844E+02
2.1000E+01	3.4810E+01	2.3436E-00	7.2351E-01	5.0381E-00	2.8291E-00	1.7807E-00	6.6855E-01	6.9093E+02
2.2000E+01	3.5990E+01	2.2772E-00	7.1353E-01	5.3487E-00	2.9159E-00	1.8343E-00	6.3988E-01	7.6612E+02
2.3000E+01	3.7190E+01	2.2120E-00	7.0327E-01	5.6689E-00	3.0005E-00	1.8892E-00	6.1159E-01	8.4372E+02
2.4000E+01	3.8430E+01	2.1445E-00	6.9218E-01	6.0037E-00	3.0842E-00	1.9465E-00	5.8339E-01	9.2472E+02
2.5000E+01	3.9690E+01	2.0787E-00	6.8086E-01	6.3474E-00	3.1654E-00	2.0052E-00	5.5591E-01	1.0075E+03
2.6000E+01	4.0990E+01	2.0114E-00	6.6878E-01	6.7050E-00	3.2451E-00	2.0661E-00	5.2885E-01	1.0931E+03
2.7000E+01	4.2330E+01	1.9433E-00	6.5598E-01	7.0759E-00	3.3233E-00	2.1291E-00	5.0239E-01	1.1812E+03
2.8000E+01	4.3700E+01	1.8763E-00	6.4279E-01	7.4569E-00	3.3991E-00	2.1937E-00	4.7684E-01	1.2707E+03
2.9000E+01	4.5130E+01	1.8067E-00	6.2848E-01	7.8554E-00	3.4739E-00	2.2612E-00	4.5179E-01	1.3634E+03
3.0000E+01	4.6610E+01	1.7369E-00	6.1344E-01	8.2677E-00	3.5469E-00	2.3309E-00	4.2757E-01	1.4579E+03
3.1000E+01	4.8150E+01	1.6662E-00	5.9752E-01	8.6955E-00	3.6183E-00	2.4031E-00	4.0414E-01	1.5546E+03
3.2000E+01	4.9770E+01	1.5937E-00	5.8040E-01	9.1427E-00	3.6886E-00	2.4786E-00	3.8137E-01	1.6541E+03
3.3000E+01	5.1490E+01	1.5188E-00	5.6187E-01	9.6129E-00	3.7582E-00	2.5578E-00	3.5918E-01	1.7570E+03
3.4000E+01	5.3340E+01	1.4406E-00	5.4159E-01	1.0111E+01	3.8276E-00	2.6416E-00	3.3746E-01	1.8640E+03
3.5000E+01	5.5390E+01	1.3563E-00	5.1861E-01	1.0652E+01	3.8982E-00	2.7326E-00	3.1579E-01	1.9779E+03
3.6000E+01	5.7760E+01	1.2622E-00	4.9158E-01	1.1259E+01	3.9721E-00	2.8346E-00	2.9361E-01	2.1029E+03
3.7000E+01	6.0820E+01	1.1460E-00	4.5610E-01	1.2008E+01	4.0564E-00	2.9603E-00	2.6903E-01	2.2529E+03
3.7713E+01	6.5847E+01	9.6751E-01	3.9710E-01	1.3130E+01	4.1705E-00	3.1485E-00	2.3709E-01	2.4698E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 3.75$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S,}{\text{ft}^2}$ $\frac{\text{sec}^2}{\text{sec}^2 \cdot \text{O}_R}$
.0000E-99	1.5466E+01	3.7500E-00	8.5889E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.6130E+01	3.6795E-00	8.5457E-01	1.0996E-00	1.0701E-00	1.0275E-00	9.9991E-01	1.4911E-01
2.0000E-00	1.6810E+01	3.6150E-00	8.5045E-01	1.2054E-00	1.1425E-00	1.0550E-00	9.9933E-01	1.1411E-00
3.0000E-00	1.7520E+01	3.5498E-00	8.4612E-01	1.3201E-00	1.2186E-00	1.0832E-00	9.9782E-01	3.7439E-00
4.0000E-00	1.8260E+01	3.4838E-00	8.4156E-01	1.4440E-00	1.2982E-00	1.1122E-00	9.9496E-01	8.6576E-00
5.0000E-00	1.9020E+01	3.4207E-00	8.3703E-01	1.5758E-00	1.3800E-00	1.1418E-00	9.9049E-01	1.6388E+01
6.0000E-00	1.9810E+01	3.3563E-00	8.3221E-01	1.7176E-00	1.4649E-00	1.1725E-00	9.8408E-01	2.7527E+01
7.0000E-00	2.0630E+01	3.2903E-00	8.2708E-01	1.8699E-00	1.5527E-00	1.2043E-00	9.7551E-01	4.2536E+01
8.0000E-00	2.1470E+01	3.2264E-00	8.2190E-01	2.0312E-00	1.6420E-00	1.2370E-00	9.6476E-01	6.1558E+01
9.0000E-00	2.2340E+01	3.1606E-00	8.1635E-01	2.2036E-00	1.7336E-00	1.2711E-00	9.5163E-01	8.5070E+01
1.0000E+01	2.3230E+01	3.0962E-00	8.1069E-01	2.3856E-00	1.8262E-00	1.3063E-00	9.3627E-01	1.1298E+02
1.1000E+01	2.4140E+01	3.0330E-00	8.0490E-01	2.5773E-00	1.9194E-00	1.3427E-00	9.1878E-01	1.4535E+02
1.2000E+01	2.5080E+01	2.9675E-00	7.9865E-01	2.7811E-00	2.0141E-00	1.3807E-00	8.9906E-01	1.8258E+02
1.3000E+01	2.6040E+01	2.9029E-00	7.9222E-01	2.9951E-00	2.1090E-00	1.4201E-00	8.7747E-01	2.2430E+02
1.4000E+01	2.7030E+01	2.8361E-00	7.8528E-01	3.2217E-00	2.2046E-00	1.4613E-00	8.5397E-01	2.7088E+02
1.5000E+01	2.8040E+01	2.7701E-00	7.7812E-01	3.4588E-00	2.2997E-00	1.5040E-00	8.2901E-01	3.2178E+02
1.6000E+01	2.9070E+01	2.7046E-00	7.7071E-01	3.7064E-00	2.3941E-00	1.5481E-00	8.0284E-01	3.7681E+02
1.7000E+01	3.0130E+01	2.6372E-00	7.6273E-01	3.9671E-00	2.4884E-00	1.5942E-00	7.7546E-01	4.3636E+02
1.8000E+01	3.1210E+01	2.5705E-00	7.5448E-01	4.2385E-00	2.5815E-00	1.6418E-00	7.4737E-01	4.9967E+02
1.9000E+01	3.2310E+01	2.5045E-00	7.4595E-01	4.5204E-00	2.6731E-00	1.6910E-00	7.1882E-01	5.6650E+02
2.0000E+01	3.3440E+01	2.4370E-00	7.3683E-01	4.8154E-00	2.7638E-00	1.7422E-00	6.8981E-01	6.3721E+02
2.1000E+01	3.4590E+01	2.3704E-00	7.2741E-01	5.1208E-00	2.8527E-00	1.7950E-00	6.6080E-01	7.1092E+02
2.2000E+01	3.5770E+01	2.3027E-00	7.1742E-01	5.4390E-00	2.9402E-00	1.8498E-00	6.3178E-01	7.8799E+02
2.3000E+01	3.6970E+01	2.2363E-00	7.0714E-01	5.7671E-00	3.0256E-00	1.9061E-00	6.0318E-01	8.6750E+02
2.4000E+01	3.8200E+01	2.1693E-00	6.9631E-01	6.1075E-00	3.1092E-00	1.9643E-00	5.7494E-01	9.4978E+02
2.5000E+01	3.9470E+01	2.1004E-00	6.8466E-01	6.4628E-00	3.1916E-00	2.0249E-00	5.4701E-01	1.0352E+03
2.6000E+01	4.0760E+01	2.0334E-00	6.7279E-01	6.8268E-00	3.2713E-00	2.0868E-00	5.1999E-01	1.1221E+03
2.7000E+01	4.2090E+01	1.9654E-00	6.6019E-01	7.2046E-00	3.3494E-00	2.1510E-00	4.9358E-01	1.2115E+03
2.8000E+01	4.3460E+01	1.8969E-00	6.4690E-01	7.5957E-00	3.4256E-00	2.2173E-00	4.6793E-01	1.3031E+03
2.9000E+01	4.4880E+01	1.8271E-00	6.3275E-01	8.0021E-00	3.5003E-00	2.2860E-00	4.4298E-01	1.3971E+03
3.0000E+01	4.6350E+01	1.7569E-00	6.1782E-01	8.4229E-00	3.5733E-00	2.3571E-00	4.1888E-01	1.4932E+03
3.1000E+01	4.7880E+01	1.6857E-00	6.0197E-01	8.8597E-00	3.6446E-00	2.4308E-00	3.9558E-01	1.5914E+03
3.2000E+01	4.9490E+01	1.6124E-00	5.8489E-01	9.3169E-00	3.7149E-00	2.5079E-00	3.7295E-01	1.6924E+03
3.3000E+01	5.1190E+01	1.5374E-00	5.6656E-01	9.7951E-00	3.7841E-00	2.5884E-00	3.5103E-01	1.7964E+03
3.4000E+01	5.3010E+01	1.4596E-00	5.4662E-01	1.0300E+01	3.8528E-00	2.6734E-00	3.2968E-01	1.9041E+03
3.5000E+01	5.5020E+01	1.3758E-00	5.2404E-01	1.0847E+01	3.9225E-00	2.7654E-00	3.0843E-01	2.0184E+03
3.6000E+01	5.7310E+01	1.2838E-00	4.9791E-01	1.1453E+01	3.9747E-00	2.8672E-00	2.8695E-01	2.1422E+03
3.7000E+01	6.0170E+01	1.1735E-00	4.6472E-01	1.2180E+01	4.0748E-00	2.9891E-00	2.6378E-01	2.2867E+03
3.7906E+01	6.5885E+01	9.6824E-01	3.9736E-01	1.3500E+01	4.2052E-00	3.2105E-00	2.2769E-01	2.5392E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 3.80$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{sec^2 - a_R}$
.0000E-99	1.5258E+01	3.8000E-00	8.6184E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.5920E+01	3.7283E-00	8.5758E-01	1.1008E-00	1.0710E-00	1.0278E-00	9.9990E-01	1.5460E-01
2.0000E-00	1.6600E+01	3.6623E-00	8.5349E-01	1.2083E-00	1.1445E-00	1.0557E-00	9.9930E-01	1.1850E-00
3.0000E-00	1.7310E+01	3.5956E-00	8.4918E-01	1.3247E-00	1.2217E-00	1.0843E-00	9.9773E-01	3.8874E-00
4.0000E-00	1.8050E+01	3.5283E-00	8.4465E-01	1.4507E-00	1.3024E-00	1.1138E-00	9.9477E-01	8.9871E-00
5.0000E-00	1.8810E+01	3.4640E-00	8.4016E-01	1.5847E-00	1.3854E-00	1.1438E-00	9.9013E-01	1.7003E+01
6.0000E-00	1.9600E+01	3.3984E-00	8.3538E-01	1.7290E-00	1.4716E-00	1.1749E-00	9.8350E-01	2.8542E+01
7.0000E-00	2.0420E+01	3.3313E-00	8.3030E-01	1.8840E-00	1.5606E-00	1.2072E-00	9.7464E-01	4.4078E+01
8.0000E-00	2.1260E+01	3.2663E-00	8.2516E-01	2.0483E-00	1.6512E-00	1.2404E-00	9.6353E-01	6.3750E+01
9.0000E-00	2.2130E+01	3.1995E-00	8.1966E-01	2.2240E-00	1.7441E-00	1.2751E-00	9.4998E-01	8.8045E+01
1.0000E+01	2.3020E+01	3.1341E-00	8.1405E-01	2.4095E-00	1.8380E-00	1.3109E-00	9.3416E-01	1.1686E+02
1.1000E+01	2.3930E+01	3.0699E-00	8.0831E-01	2.6050E-00	1.9326E-00	1.3479E-00	9.1616E-01	1.5025E+02
1.2000E+01	2.4870E+01	3.0034E-00	8.0211E-01	2.8130E-00	2.0286E-00	1.3866E-00	8.9589E-01	1.8864E+02
1.3000E+01	2.5840E+01	2.9348E-00	7.9543E-01	3.0337E-00	2.1256E-00	1.4272E-00	8.7350E-01	2.3207E+02
1.4000E+01	2.6820E+01	2.8699E-00	7.8883E-01	3.2628E-00	2.2214E-00	1.4687E-00	8.4966E-01	2.7956E+02
1.5000E+01	2.7830E+01	2.8028E-00	7.8171E-01	3.5050E-00	2.3177E-00	1.5122E-00	8.2413E-01	3.3191E+02
1.6000E+01	2.8860E+01	2.7363E-00	7.7434E-01	3.7581E-00	2.4132E-00	1.5572E-00	7.9740E-01	3.8849E+02
1.7000E+01	2.9920E+01	2.6678E-00	7.6639E-01	4.0246E-00	2.5086E-00	1.6043E-00	7.6947E-01	4.4967E+02
1.8000E+01	3.1000E+01	2.6000E-00	7.5817E-01	4.3021E-00	2.6026E-00	1.6529E-00	7.4086E-01	5.1468E+02
1.9000E+01	3.2100E+01	2.5328E-00	7.4966E-01	4.5905E-00	2.6951E-00	1.7032E-00	7.1184E-01	5.8325E+02
2.0000E+01	3.3230E+01	2.4641E-00	7.4054E-01	4.8924E-00	2.7867E-00	1.7556E-00	6.8239E-01	6.5577E+02
2.1000E+01	3.4380E+01	2.3963E-00	7.3113E-01	5.2051E-00	2.8764E-00	1.8095E-00	6.5299E-01	7.3132E+02
2.2000E+01	3.5560E+01	2.3275E-00	7.2113E-01	5.5310E-00	2.9647E-00	1.8656E-00	6.2362E-01	8.1029E+02
2.3000E+01	3.6760E+01	2.2598E-00	7.1084E-01	5.8671E-00	3.0506E-00	1.9232E-00	5.9473E-01	8.9170E+02
2.4000E+01	3.7990E+01	2.1916E-00	6.9998E-01	6.2160E-00	3.1349E-00	1.9828E-00	5.6624E-01	9.7593E+02
2.5000E+01	3.9250E+01	2.1232E-00	6.8857E-01	6.5773E-00	3.2172E-00	2.0444E-00	5.3834E-01	1.0626E+03
2.6000E+01	4.0540E+01	2.0549E-00	6.7665E-01	6.9506E-00	3.2974E-00	2.1078E-00	5.1115E-01	1.1515E+03
2.7000E+01	4.1870E+01	1.9855E-00	6.6398E-01	7.3382E-00	3.3759E-00	2.1736E-00	4.8463E-01	1.2429E+03
2.8000E+01	4.3230E+01	1.9171E-00	6.5088E-01	7.7365E-00	3.4520E-00	2.2411E-00	4.5909E-01	1.3359E+03
2.9000E+01	4.4650E+01	1.8459E-00	6.3662E-01	8.1537E-00	3.5271E-00	2.3117E-00	4.3410E-01	1.4319E+03
3.0000E+01	4.6110E+01	1.7754E-00	6.2182E-01	8.5829E-00	3.5999E-00	2.3842E-00	4.1014E-01	1.5293E+03
3.1000E+01	4.7630E+01	1.7038E-00	6.0608E-01	9.0289E-00	3.6711E-00	2.4594E-00	3.8701E-01	1.6290E+03
3.2000E+01	4.9220E+01	1.6309E-00	5.8929E-01	9.4930E-00	3.7409E-00	2.5376E-00	3.6468E-01	1.7309E+03
3.3000E+01	5.0900E+01	1.5560E-00	5.7119E-01	9.9792E-00	3.8096E-00	2.6194E-00	3.4305E-01	1.8359E+03
3.4000E+01	5.2700E+01	1.4779E-00	5.5139E-01	1.0493E+01	3.8779E-00	2.7059E-00	3.2196E-01	1.9447E+03
3.5000E+01	5.4670E+01	1.3948E-00	5.2926E-01	1.1046E+01	3.9467E-00	2.7988E-00	3.0116E-01	2.0593E+03
3.6000E+01	5.6890E+01	1.3045E-00	5.0393E-01	1.1653E+01	4.0173E-00	2.9007E-00	2.8033E-01	2.1823E+03
3.7000E+01	5.9610E+01	1.1980E-00	4.7226E-01	1.2368E+01	4.0945E-00	3.0207E-00	2.5818E-01	2.3236E+03
3.8000E+01	6.4200E+01	1.0289E-00	4.1803E-01	1.3488E+01	4.2041E-00	3.2084E-00	2.2799E-01	2.5370E+03
3.8092E+01	6.5921E+01	9.6899E-01	3.9761E-01	1.3875E+01	4.2390E-00	3.2733E-00	2.1867E-01	2.6085E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 3.85$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{ft^2}{sec^2 \cdot ^\circ R}$
.0000E-99	1.5055E+01	3.8500E-00	8.6472E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.5710E+01	3.7798E-00	8.6067E-01	1.1011E-00	1.0712E-00	1.0279E-00	9.9990E-01	1.5632E-01
2.0000E-00	1.6400E+01	3.7075E-00	8.5631E-01	1.2118E-00	1.1468E-00	1.0566E-00	9.9927E-01	1.2410E-00
3.0000E-00	1.7110E+01	3.6395E-00	8.5203E-01	1.3301E-00	1.2252E-00	1.0856E-00	9.9763E-01	4.0585E-00
4.0000E-00	1.7840E+01	3.5751E-00	8.4782E-01	1.4563E-00	1.3060E-00	1.1151E-00	9.9461E-01	9.2732E-00
5.0000E-00	1.8610E+01	3.5054E-00	8.4308E-01	1.5944E-00	1.3913E-00	1.1459E-00	9.8974E-01	1.7687E+01
6.0000E-00	1.9400E+01	3.4387E-00	8.3834E-01	1.7412E-00	1.4787E-00	1.1775E-00	9.8286E-01	2.9653E+01
7.0000E-00	2.0210E+01	3.3744E-00	8.3359E-01	1.8971E-00	1.5680E-00	1.2098E-00	9.7381E-01	4.5524E+01
8.0000E-00	2.1050E+01	3.3083E-00	8.2850E-01	2.0643E-00	1.6599E-00	1.2436E-00	9.6236E-01	6.5831E+01
9.0000E-00	2.1920E+01	3.2404E-00	8.2305E-01	2.2433E-00	1.7541E-00	1.2788E-00	9.4840E-01	9.0894E+01
1.0000E+01	2.2810E+01	3.1739E-00	8.1750E-01	2.4323E-00	1.8493E-00	1.3152E-00	9.3212E-01	1.2060E+02
1.1000E+01	2.3730E+01	3.1054E-00	8.1151E-01	2.6338E-00	1.9462E-00	1.3533E-00	9.1341E-01	1.5540E+02
1.2000E+01	2.4670E+01	3.0380E-00	8.0536E-01	2.8460E-00	2.0434E-00	1.3927E-00	8.9259E-01	1.9497E+02
1.3000E+01	2.5630E+01	2.9714E-00	7.9903E-01	3.0689E-00	2.1406E-00	1.4336E-00	8.6987E-01	2.3922E+02
1.4000E+01	2.6620E+01	2.9026E-00	7.9218E-01	3.3052E-00	2.2386E-00	1.4764E-00	8.4521E-01	2.8857E+02
1.5000E+01	2.7630E+01	2.8344E-00	7.8510E-01	3.5525E-00	2.3360E-00	1.5207E-00	8.1910E-01	3.4241E+02
1.6000E+01	2.8660E+01	2.7669E-00	7.7777E-01	3.8111E-00	2.4326E-00	1.5666E-00	7.9181E-01	4.0055E+02
1.7000E+01	2.9720E+01	2.6973E-00	7.6986E-01	4.0835E-00	2.5290E-00	1.6146E-00	7.6335E-01	4.6338E+02
1.8000E+01	3.0800E+01	2.6284E-00	7.6166E-01	4.3673E-00	2.6240E-00	1.6643E-00	7.3424E-01	5.3010E+02
1.9000E+01	3.1900E+01	2.5601E-00	7.5317E-01	4.6623E-00	2.7174E-00	1.7157E-00	7.0475E-01	6.0043E+02
2.0000E+01	3.3030E+01	2.4903E-00	7.4407E-01	4.9712E-00	2.8098E-00	1.7692E-00	6.7487E-01	6.7477E+02
2.1000E+01	3.4180E+01	2.4214E-00	7.3467E-01	5.2912E-00	2.9002E-00	1.8244E-00	6.4510E-01	7.5218E+02
2.2000E+01	3.5350E+01	2.3534E-00	7.2495E-01	5.6220E-00	2.9884E-00	1.8812E-00	6.1566E-01	8.3235E+02
2.3000E+01	3.6550E+01	2.2845E-00	7.1465E-01	5.9662E-00	3.0751E-00	1.9401E-00	5.8648E-01	9.1567E+02
2.4000E+01	3.7780E+01	2.2150E-00	7.0376E-01	6.3236E-00	3.1599E-00	2.0012E-00	5.5776E-01	1.0018E+03
2.5000E+01	3.9040E+01	2.1453E-00	6.9232E-01	6.6939E-00	3.2427E-00	2.0642E-00	5.2967E-01	1.0905E+03
2.6000E+01	4.0330E+01	2.0758E-00	6.8035E-01	7.0765E-00	3.3234E-00	2.1292E-00	5.0235E-01	1.1813E+03
2.7000E+01	4.1650E+01	2.0066E-00	6.6789E-01	7.4710E-00	3.4018E-00	2.1961E-00	4.7593E-01	1.2740E+03
2.8000E+01	4.3010E+01	1.9368E-00	6.5472E-01	7.8796E-00	3.4783E-00	2.2653E-00	4.5032E-01	1.3689E+03
2.9000E+01	4.4420E+01	1.8655E-00	6.4062E-01	8.3047E-00	3.5532E-00	2.3372E-00	4.2547E-01	1.4663E+03
3.0000E+01	4.5870E+01	1.7948E-00	6.2596E-01	8.7423E-00	3.6258E-00	2.4110E-00	4.0168E-01	1.5651E+03
3.1000E+01	4.7380E+01	1.7227E-00	6.1031E-01	9.1973E-00	3.6969E-00	2.4878E-00	3.7870E-01	1.6662E+03
3.2000E+01	4.8960E+01	1.6493E-00	5.9359E-01	9.6712E-00	3.7666E-00	2.5676E-00	3.5655E-01	1.7696E+03
3.3000E+01	5.0630E+01	1.5735E-00	5.7550E-01	1.0168E+01	3.8352E-00	2.6512E-00	3.3510E-01	1.8761E+03
3.4000E+01	5.2410E+01	1.4953E-00	5.5588E-01	1.0691E+01	3.9031E-00	2.7392E-00	3.1430E-01	1.9860E+03
3.5000E+01	5.4340E+01	1.4132E-00	5.3425E-01	1.1249E+01	3.9709E-00	2.8328E-00	2.9398E-01	2.1007E+03
3.6000E+01	5.6510E+01	1.3237E-00	5.0942E-01	1.1861E+01	4.0404E-00	2.9355E-00	2.7364E-01	2.2237E+03
3.7000E+01	5.9100E+01	1.2211E-00	4.7928E-01	1.2565E+01	4.1148E-00	3.0537E-00	2.5249E-01	2.3618E+03
3.8000E+01	6.2940E+01	1.0766E-00	4.3383E-01	1.3547E+01	4.2094E-00	3.2183E-00	2.2654E-01	2.5479E+03
3.8272E+01	6.5956E+01	9.6974E-01	3.9787E-01	1.4255E+01	4.2720E-00	3.3369E-00	2.1002E-01	2.6778E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 3.90$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{R \ln 2}$ sec ² -°R
.0000E-99	1.4857E+01	3.9000E-00	8.6752E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.5510E+01	3.8293E-00	8.6355E-01	1.1022E-00	1.0719E-00	1.0282E-00	9.9990E-01	1.6112E-01
2.0000E-00	1.6200E+01	3.7552E-00	8.5921E-01	1.2145E-00	1.1486E-00	1.0573E-00	9.9925E-01	1.2832E-00
3.0000E-00	1.6910E+01	3.6857E-00	8.5496E-01	1.3346E-00	1.2281E-00	1.0867E-00	9.9755E-01	4.2031E-00
4.0000E-00	1.7640E+01	3.6200E-00	8.5078E-01	1.4628E-00	1.3101E-00	1.1165E-00	9.9441E-01	9.6049E-00
5.0000E-00	1.8410E+01	3.5491E-00	8.4607E-01	1.6032E-00	1.3966E-00	1.1478E-00	9.8938E-01	1.8314E+01
6.0000E-00	1.9200E+01	3.4812E-00	8.4138E-01	1.7525E-00	1.4853E-00	1.1798E-00	9.8227E-01	3.0691E+01
7.0000E-00	2.0010E+01	3.4159E-00	8.3667E-01	1.9110E-00	1.5758E-00	1.2127E-00	9.7292E-01	4.7095E+01
8.0000E-00	2.0850E+01	3.3487E-00	8.3164E-01	2.0812E-00	1.6690E-00	1.2470E-00	9.6111E-01	6.8066E+01
9.0000E-00	2.1720E+01	3.2797E-00	8.2624E-01	2.2635E-00	1.7645E-00	1.2828E-00	9.4673E-01	9.3928E+01
1.0000E+01	2.2610E+01	3.2123E-00	8.2073E-01	2.4561E-00	1.8610E-00	1.3198E-00	9.2998E-01	1.2456E+02
1.1000E+01	2.3530E+01	3.1427E-00	8.1480E-01	2.6616E-00	1.9591E-00	1.3585E-00	9.1075E-01	1.6041E+02
1.2000E+01	2.4470E+01	3.0743E-00	8.0871E-01	2.8779E-00	2.0576E-00	1.3986E-00	8.8938E-01	2.0115E+02
1.3000E+01	2.5440E+01	3.0036E-00	8.0212E-01	3.1077E-00	2.1571E-00	1.4406E-00	8.6585E-01	2.4717E+02
1.4000E+01	2.6420E+01	2.9368E-00	7.9563E-01	3.3464E-00	2.2552E-00	1.4838E-00	8.4086E-01	2.9741E+02
1.5000E+01	2.7440E+01	2.8647E-00	7.8829E-01	3.6015E-00	2.3547E-00	1.5294E-00	8.1392E-01	3.5329E+02
1.6000E+01	2.8470E+01	2.7962E-00	7.8099E-01	3.8657E-00	2.4523E-00	1.5763E-00	7.8608E-01	4.1302E+02
1.7000E+01	2.9530E+01	2.7256E-00	7.7312E-01	4.1441E-00	2.5497E-00	1.6253E-00	7.5708E-01	4.7752E+02
1.8000E+01	3.0610E+01	2.6557E-00	7.6495E-01	4.4342E-00	2.6456E-00	1.6760E-00	7.2748E-01	5.4596E+02
1.9000E+01	3.1710E+01	2.5864E-00	7.5648E-01	4.7358E-00	2.7399E-00	1.7284E-00	6.9754E-01	6.1807E+02
2.0000E+01	3.2830E+01	2.5178E-00	7.4770E-01	5.0490E-00	2.8323E-00	1.7826E-00	6.6752E-01	6.9356E+02
2.1000E+01	3.3980E+01	2.4477E-00	7.3830E-01	5.3764E-00	2.9234E-00	1.8390E-00	6.3739E-01	7.7282E+02
2.2000E+01	3.5160E+01	2.3764E-00	7.2829E-01	5.7178E-00	3.0131E-00	1.8976E-00	6.0738E-01	8.5557E+02
2.3000E+01	3.6360E+01	2.3064E-00	7.1798E-01	6.0703E-00	3.1003E-00	1.9579E-00	5.7795E-01	9.4080E+02
2.4000E+01	3.7580E+01	2.2377E-00	7.0737E-01	6.4334E-00	3.1850E-00	2.0199E-00	5.4926E-01	1.0281E+03
2.5000E+01	3.8840E+01	2.1667E-00	6.9589E-01	6.8127E-00	3.2683E-00	2.0844E-00	5.2100E-01	1.1188E+03
2.6000E+01	4.0130E+01	2.0959E-00	6.8388E-01	7.2048E-00	3.3494E-00	2.1510E-00	4.9357E-01	1.2116E+03
2.7000E+01	4.1450E+01	2.0255E-00	6.7136E-01	7.6092E-00	3.4282E-00	2.2195E-00	4.6707E-01	1.3063E+03
2.8000E+01	4.2800E+01	1.9559E-00	6.5839E-01	8.0251E-00	3.5044E-00	2.2899E-00	4.4162E-01	1.4024E+03
2.9000E+01	4.4200E+01	1.8846E-00	6.4447E-01	8.4581E-00	3.5792E-00	2.3631E-00	4.1694E-01	1.5011E+03
3.0000E+01	4.5650E+01	1.8125E-00	6.2969E-01	8.9071E-00	3.6521E-00	2.4388E-00	3.9315E-01	1.6019E+03
3.1000E+01	4.7150E+01	1.7402E-00	6.1417E-01	9.3711E-00	3.7230E-00	2.5170E-00	3.7038E-01	1.7043E+03
3.2000E+01	4.8720E+01	1.6663E-00	5.9753E-01	9.8547E-00	3.7924E-00	2.5985E-00	3.4842E-01	1.8092E+03
3.3000E+01	5.0370E+01	1.5909E-00	5.7972E-01	1.0359E+01	3.8605E-00	2.6833E-00	3.2730E-01	1.9165E+03
3.4000E+01	5.2130E+01	1.5126E-00	5.6030E-01	1.0891E+01	3.9279E-00	2.7727E-00	3.0681E-01	2.0274E+03
3.5000E+01	5.4030E+01	1.4308E-00	5.3898E-01	1.1456E+01	3.9950E-00	2.8676E-00	2.8687E-01	2.1427E+03
3.6000E+01	5.6150E+01	1.3424E-00	5.1471E-01	1.2072E+01	4.0633E-00	2.9710E-00	2.6705E-01	2.2656E+03
3.7000E+01	5.8640E+01	1.2425E-00	4.8571E-01	1.2772E+01	4.1355E-00	3.0884E-00	2.4670E-01	2.4016E+03
3.8000E+01	6.2090E+01	1.1104E-00	4.4479E-01	1.3690E+01	4.2224E-00	3.2422E-00	2.2307E-01	2.5744E+03
3.8446E+01	6.5991E+01	9.7044E-01	3.9812E-01	1.4640E+01	4.3043E-00	3.4013E-00	2.0172E-01	2.7470E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 3.95$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{\frac{ft^2}{sec^2 \cdot ^\circ R}}$
.0000E-99	1.4665E+01	3.9500E-00	8.7023E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.5320E+01	3.8763E-00	8.6621E-01	1.1040E-00	1.0732E-00	1.0287E-00	9.9990E-01	1.6918E-01
2.0000E-00	1.6000E+01	3.8054E-00	8.6217E-01	1.2163E-00	1.1498E-00	1.0577E-00	9.9923E-01	1.3132E-00
3.0000E-00	1.6710E+01	3.7343E-00	8.5795E-01	1.3382E-00	1.2304E-00	1.0875E-00	9.9748E-01	4.3205E-00
4.0000E-00	1.7450E+01	3.6628E-00	8.5352E-01	1.4702E-00	1.3147E-00	1.1182E-00	9.9419E-01	9.9881E-00
5.0000E-00	1.8210E+01	3.5949E-00	8.4914E-01	1.6109E-00	1.4013E-00	1.1495E-00	9.8905E-01	1.8881E+01
6.0000E-00	1.9000E+01	3.5259E-00	8.4449E-01	1.7627E-00	1.4912E-00	1.1820E-00	9.8172E-01	3.1651E+01
7.0000E-00	1.9820E+01	3.4554E-00	8.3954E-01	1.9260E-00	1.5841E-00	1.2158E-00	9.7196E-01	4.8804E+01
8.0000E-00	2.0660E+01	3.3873E-00	8.3456E-01	2.0992E-00	1.6786E-00	1.2505E-00	9.5976E-01	7.0471E+01
9.0000E-00	2.1530E+01	3.3173E-00	8.2921E-01	2.2849E-00	1.7754E-00	1.2869E-00	9.4494E-01	9.7165E+01
1.0000E+01	2.2420E+01	3.2490E-00	8.2376E-01	2.4811E-00	1.8731E-00	1.3245E-00	9.2771E-01	1.2875E+02
1.1000E+01	2.3340E+01	3.1784E-00	8.1788E-01	2.6905E-00	1.9726E-00	1.3639E-00	9.0795E-01	1.6570E+02
1.2000E+01	2.4280E+01	3.1090E-00	8.1184E-01	2.9111E-00	2.0723E-00	1.4047E-00	8.8603E-01	2.0763E+02
1.3000E+01	2.5250E+01	3.0373E-00	8.0530E-01	3.1455E-00	2.1730E-00	1.4475E-00	8.6192E-01	2.5497E+02
1.4000E+01	2.6240E+01	2.9665E-00	7.9855E-01	3.3916E-00	2.2732E-00	1.4919E-00	8.3610E-01	3.0716E+02
1.5000E+01	2.7250E+01	2.8965E-00	7.9156E-01	3.6495E-00	2.3728E-00	1.5380E-00	8.0885E-01	3.6401E+02
1.6000E+01	2.8280E+01	2.8270E-00	7.8431E-01	3.9193E-00	2.4715E-00	1.5857E-00	7.8046E-01	4.2532E+02
1.7000E+01	2.9340E+01	2.7553E-00	7.7647E-01	4.2037E-00	2.5698E-00	1.6357E-00	7.5095E-01	4.9148E+02
1.8000E+01	3.0420E+01	2.6843E-00	7.6834E-01	4.5001E-00	2.6667E-00	1.6875E-00	7.2086E-01	5.6165E+02
1.9000E+01	3.1520E+01	2.6139E-00	7.5989E-01	4.8084E-00	2.7618E-00	1.7410E-00	6.9048E-01	6.3553E+02
2.0000E+01	3.2650E+01	2.5418E-00	7.5083E-01	5.1316E-00	2.8558E-00	1.7969E-00	6.5980E-01	7.1353E+02
2.1000E+01	3.3800E+01	2.4707E-00	7.4144E-01	5.4665E-00	2.9476E-00	1.8545E-00	6.2933E-01	7.9466E+02
2.2000E+01	3.4970E+01	2.4005E-00	7.3173E-01	5.8129E-00	3.0371E-00	1.9139E-00	5.9929E-01	8.7859E+02
2.3000E+01	3.6170E+01	2.3294E-00	7.2141E-01	6.1737E-00	3.1249E-00	1.9756E-00	5.6962E-01	9.6573E+02
2.4000E+01	3.7390E+01	2.2595E-00	7.1078E-01	6.5454E-00	3.2101E-00	2.0389E-00	5.4074E-01	1.0550E+03
2.5000E+01	3.8650E+01	2.1873E-00	6.9927E-01	6.9338E-00	3.2939E-00	2.1050E-00	5.1234E-01	1.1475E+03
2.6000E+01	3.9930E+01	2.1170E-00	6.8751E-01	7.3324E-00	3.3748E-00	2.1726E-00	4.8501E-01	1.2416E+03
2.7000E+01	4.1250E+01	2.0453E-00	6.7494E-01	7.7468E-00	3.4539E-00	2.2428E-00	4.5845E-01	1.3382E+03
2.8000E+01	4.2600E+01	1.9744E-00	6.6190E-01	8.1732E-00	3.5305E-00	2.3149E-00	4.3298E-01	1.4364E+03
2.9000E+01	4.3990E+01	1.9032E-00	6.4816E-01	8.6140E-00	3.6050E-00	2.3894E-00	4.0848E-01	1.5363E+03
3.0000E+01	4.5430E+01	1.8310E-00	6.3355E-01	9.0714E-00	3.6777E-00	2.4665E-00	3.8489E-01	1.6384E+03
3.1000E+01	4.6930E+01	1.7572E-00	6.1789E-01	9.5475E-00	3.7488E-00	2.5467E-00	3.6217E-01	1.7428E+03
3.2000E+01	4.8480E+01	1.6840E-00	6.0160E-01	1.0037E+01	3.8176E-00	2.6292E-00	3.4056E-01	1.8483E+03
3.3000E+01	5.0120E+01	1.6080E-00	5.8383E-01	1.0552E+01	3.8855E-00	2.7159E-00	3.1964E-01	1.9571E+03
3.4000E+01	5.1860E+01	1.5297E-00	5.6463E-01	1.1093E+01	3.9524E-00	2.8067E-00	2.9947E-01	2.0690E+03
3.5000E+01	5.3740E+01	1.4476E-00	5.4344E-01	1.1668E+01	4.0190E-00	2.9033E-00	2.7983E-01	2.1854E+03
3.6000E+01	5.5810E+01	1.3605E-00	5.1978E-01	1.2288E+01	4.0862E-00	3.0072E-00	2.6055E-01	2.3079E+03
3.7000E+01	5.8230E+01	1.2619E-00	4.9150E-01	1.2990E+01	4.1569E-00	3.1249E-00	2.4080E-01	2.4431E+03
3.8000E+01	6.1410E+01	1.1386E-00	4.5376E-01	1.3867E+01	4.2383E-00	3.2719E-00	2.1886E-01	2.6071E+03
3.8613E+01	6.6026E+01	9.7106E-01	3.9833E-01	1.5031E+01	4.3357E-00	3.4667E-00	1.9376E-01	2.8161E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 4.00$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2}$ $\frac{sec^2}{sec^2 \cdot ^\circ R}$
0.0000E-99	1.4478E+01	4.0000E-00	8.7285E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	0.0000E-99
1.0000E-00	1.5130E+01	3.9258E-00	8.6893E-01	1.1050E-00	1.0739E-00	1.0289E-00	9.9989E-01	1.7382E-01
2.0000E-00	1.5810E+01	3.8533E-00	8.6492E-01	1.2189E-00	1.1516E-00	1.0584E-00	9.9920E-01	1.3569E-00
3.0000E-00	1.6520E+01	3.7807E-00	8.6072E-01	1.3426E-00	1.2333E-00	1.0886E-00	9.9739E-01	4.4684E-00
4.0000E-00	1.7260E+01	3.7078E-00	8.5633E-01	1.4766E-00	1.3187E-00	1.1197E-00	9.9399E-01	1.0332E+01
5.0000E-00	1.8020E+01	3.6388E-00	8.5199E-01	1.6196E-00	1.4066E-00	1.1514E-00	9.8868E-01	1.9526E+01
6.0000E-00	1.8810E+01	3.5685E-00	8.4738E-01	1.7739E-00	1.4977E-00	1.1843E-00	9.8111E-01	3.2719E+01
7.0000E-00	1.9630E+01	3.4969E-00	8.4249E-01	1.9400E-00	1.5919E-00	1.2186E-00	9.7104E-01	5.0426E+01
8.0000E-00	2.0470E+01	3.4278E-00	8.3755E-01	2.1163E-00	1.6876E-00	1.2539E-00	9.5847E-01	7.2775E+01
9.0000E-00	2.1340E+01	3.3568E-00	8.3226E-01	2.3052E-00	1.7858E-00	1.2908E-00	9.4323E-01	1.0028E+02
1.0000E+01	2.2230E+01	3.2875E-00	8.2686E-01	2.5051E-00	1.8848E-00	1.3290E-00	9.2551E-01	1.3282E+02
1.1000E+01	2.3150E+01	3.2159E-00	8.2103E-01	2.7184E-00	1.9855E-00	1.3691E-00	9.0523E-01	1.7084E+02
1.2000E+01	2.4100E+01	3.1421E-00	8.1475E-01	2.9457E-00	2.0875E-00	1.4111E-00	8.8252E-01	2.1445E+02
1.3000E+01	2.5060E+01	3.0728E-00	8.0857E-01	3.1823E-00	2.1883E-00	1.4542E-00	8.5809E-01	2.6262E+02
1.4000E+01	2.6050E+01	3.0009E-00	8.0187E-01	3.4333E-00	2.2897E-00	1.4994E-00	8.3170E-01	3.1621E+02
1.5000E+01	2.7060E+01	2.9298E-00	7.9493E-01	3.6965E-00	2.3904E-00	1.5463E-00	8.0390E-01	3.7456E+02
1.6000E+01	2.8100E+01	2.8563E-00	7.8741E-01	3.9745E-00	2.4910E-00	1.5955E-00	7.7469E-01	4.3807E+02
1.7000E+01	2.9160E+01	2.7836E-00	7.7961E-01	4.2650E-00	2.5903E-00	1.6465E-00	7.4466E-01	5.0592E+02
1.8000E+01	3.0240E+01	2.7116E-00	7.7151E-01	4.5678E-00	2.6880E-00	1.6993E-00	7.1410E-01	5.7783E+02
1.9000E+01	3.1340E+01	2.6402E-00	7.6309E-01	4.8830E-00	2.7839E-00	1.7539E-00	6.8329E-01	6.5349E+02
2.0000E+01	3.2460E+01	2.5694E-00	7.5435E-01	5.2104E-00	2.8779E-00	1.8104E-00	6.5250E-01	7.3261E+02
2.1000E+01	3.3610E+01	2.4971E-00	7.4497E-01	5.5528E-00	2.9704E-00	1.8693E-00	6.2170E-01	8.1559E+02
2.2000E+01	3.4790E+01	2.4235E-00	7.3496E-01	5.9102E-00	3.0613E-00	1.9306E-00	5.9112E-01	9.0214E+02
2.3000E+01	3.5980E+01	2.3533E-00	7.2494E-01	6.2763E-00	3.1489E-00	1.9931E-00	5.6147E-01	9.9044E+02
2.4000E+01	3.7210E+01	2.2803E-00	7.1399E-01	6.6599E-00	3.2353E-00	2.0584E-00	5.3218E-01	1.0823E+03
2.5000E+01	3.8460E+01	2.2088E-00	7.0276E-01	7.0544E-00	3.3189E-00	2.1255E-00	5.0388E-01	1.1761E+03
2.6000E+01	3.9740E+01	2.1372E-00	6.9095E-01	7.4626E-00	3.4002E-00	2.1947E-00	4.7647E-01	1.2721E+03
2.7000E+01	4.1050E+01	2.0659E-00	6.7862E-01	7.8838E-00	3.4790E-00	2.2660E-00	4.5007E-01	1.3699E+03
2.8000E+01	4.2400E+01	1.9937E-00	6.6551E-01	8.3207E-00	3.5560E-00	2.3399E-00	4.2457E-01	1.4700E+03
2.9000E+01	4.3790E+01	1.9212E-00	6.5169E-01	8.7725E-00	3.6307E-00	2.4161E-00	4.0009E-01	1.5719E+03
3.0000E+01	4.5220E+01	1.8489E-00	6.3725E-01	9.2383E-00	3.7031E-00	2.4947E-00	3.7672E-01	1.6752E+03
3.1000E+01	4.6710E+01	1.7750E-00	6.2173E-01	9.7234E-00	3.7740E-00	2.5764E-00	3.5421E-01	1.7809E+03
3.2000E+01	4.8260E+01	1.7003E-00	6.0529E-01	1.0226E+01	3.8430E-00	2.6610E-00	3.3269E-01	1.8885E+03
3.3000E+01	4.9880E+01	1.6247E-00	5.8783E-01	1.0748E+01	3.9103E-00	2.7488E-00	3.1212E-01	1.9980E+03
3.4000E+01	5.1610E+01	1.5457E-00	5.6863E-01	1.1301E+01	3.9770E-00	2.8416E-00	2.9217E-01	2.1113E+03
3.5000E+01	5.3460E+01	1.4642E-00	5.4783E-01	1.1883E+01	4.0428E-00	2.9392E-00	2.7295E-01	2.2281E+03
3.6000E+01	5.5500E+01	1.3772E-00	5.2442E-01	1.2511E+01	4.1092E-00	3.0446E-00	2.5404E-01	2.3513E+03
3.7000E+01	5.7840E+01	1.2811E-00	4.9712E-01	1.3211E+01	4.1781E-00	3.1619E-00	2.3501E-01	2.4849E+03
3.8000E+01	6.0830E+01	1.1634E-00	4.6157E-01	1.4065E+01	4.2557E-00	3.3050E-00	2.1429E-01	2.6433E+03
3.8774E+01	6.6059E+01	9.7170E-01	3.9855E-01	1.5426E+01	4.3664E-00	3.5328E-00	1.8613E-01	2.8851E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 4.05$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S_1}{\frac{ft^2}{sec^2} - ^\circ R}$
.0000E-99	1.4295E+01	4.0500E-00	8.7543E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.4950E+01	3.9727E-00	8.7144E-01	1.1068E-00	1.0751E-00	1.0294E-00	9.9989E-01	1.8257E-01
2.0000E-00	1.5630E+01	3.8986E-00	8.6744E-01	1.2224E-00	1.1539E-00	1.0593E-00	9.9917E-01	1.4161E-00
3.0000E-00	1.6340E+01	3.8246E-00	8.6328E-01	1.3479E-00	1.2367E-00	1.0899E-00	9.9729E-01	4.6512E-00
4.0000E-00	1.7070E+01	3.7551E-00	8.5920E-01	1.4822E-00	1.3222E-00	1.1209E-00	9.9382E-01	1.0632E+01
5.0000E-00	1.7840E+01	3.6802E-00	8.5462E-01	1.6293E-00	1.4124E-00	1.1535E-00	9.8826E-01	2.0259E+01
6.0000E-00	1.8630E+01	3.6089E-00	8.5006E-01	1.7862E-00	1.5048E-00	1.1869E-00	9.8043E-01	3.3907E+01
7.0000E-00	1.9450E+01	3.5363E-00	8.4521E-01	1.9551E-00	1.6003E-00	1.2217E-00	9.7003E-01	5.2203E+01
8.0000E-00	2.0290E+01	3.4663E-00	8.4032E-01	2.1344E-00	1.6973E-00	1.2575E-00	9.5708E-01	7.5271E+01
9.0000E-00	2.1160E+01	3.3943E-00	8.3508E-01	2.3268E-00	1.7967E-00	1.2950E-00	9.4139E-01	1.0364E+02
1.0000E+01	2.2050E+01	3.3241E-00	8.2974E-01	2.5303E-00	1.8969E-00	1.3338E-00	9.2318E-01	1.3715E+02
1.1000E+01	2.2970E+01	3.2516E-00	8.2397E-01	2.7476E-00	1.9989E-00	1.3745E-00	9.0236E-01	1.7629E+02
1.2000E+01	2.3920E+01	3.1768E-00	8.1774E-01	2.9793E-00	2.1021E-00	1.4172E-00	8.7909E-01	2.2113E+02
1.3000E+01	2.4880E+01	3.1065E-00	8.1161E-01	3.2205E-00	2.2041E-00	1.4611E-00	8.5409E-01	2.7063E+02
1.4000E+01	2.5870E+01	3.0337E-00	8.0496E-01	3.4765E-00	2.3066E-00	1.5071E-00	8.2713E-01	3.2566E+02
1.5000E+01	2.6890E+01	2.9584E-00	7.9776E-01	3.7477E-00	2.4094E-00	1.5554E-00	7.9849E-01	3.8615E+02
1.6000E+01	2.7920E+01	2.8870E-00	7.9060E-01	4.0289E-00	2.5100E-00	1.6050E-00	7.6903E-01	4.5066E+02
1.7000E+01	2.8980E+01	2.8132E-00	7.8284E-01	4.3254E-00	2.6103E-00	1.6570E-00	7.3849E-01	5.2018E+02
1.8000E+01	3.0060E+01	2.7401E-00	7.7477E-01	4.6347E-00	2.7089E-00	1.7109E-00	7.0747E-01	5.9383E+02
1.9000E+01	3.1160E+01	2.6676E-00	7.6638E-01	4.9567E-00	2.8056E-00	1.7667E-00	6.7625E-01	6.7127E+02
2.0000E+01	3.2290E+01	2.5934E-00	7.5735E-01	5.2943E-00	2.9011E-00	1.8249E-00	6.4482E-01	7.5294E+02
2.1000E+01	3.3440E+01	2.5200E-00	7.4799E-01	5.6444E-00	2.9942E-00	1.8850E-00	6.1371E-01	8.3779E+02
2.2000E+01	3.4610E+01	2.4476E-00	7.3829E-01	6.0068E-00	3.0850E-00	1.9471E-00	5.8314E-01	9.2548E+02
2.3000E+01	3.5810E+01	2.3741E-00	7.2796E-01	6.3844E-00	3.1738E-00	2.0115E-00	5.5303E-01	1.0164E+03
2.4000E+01	3.7030E+01	2.3020E-00	7.1730E-01	6.7737E-00	3.2600E-00	2.0778E-00	5.2383E-01	1.1095E+03
2.5000E+01	3.8280E+01	2.2293E-00	7.0604E-01	7.1775E-00	3.3439E-00	2.1464E-00	4.9542E-01	1.2052E+03
2.6000E+01	3.9560E+01	2.1566E-00	6.9421E-01	7.5954E-00	3.4256E-00	2.2172E-00	4.6794E-01	1.3031E+03
2.7000E+01	4.0870E+01	2.0842E-00	6.8182E-01	8.0268E-00	3.5047E-00	2.2902E-00	4.4152E-01	1.4028E+03
2.8000E+01	4.2210E+01	2.0123E-00	6.6894E-01	8.4711E-00	3.5813E-00	2.3653E-00	4.1622E-01	1.5041E+03
2.9000E+01	4.3600E+01	1.9385E-00	6.5505E-01	8.9340E-00	3.6563E-00	2.4434E-00	3.9178E-01	1.6079E+03
3.0000E+01	4.5030E+01	1.8650E-00	6.4051E-01	9.4115E-00	3.7289E-00	2.5238E-00	3.6848E-01	1.7131E+03
3.1000E+01	4.6500E+01	1.7922E-00	6.2541E-01	9.9022E-00	3.7990E-00	2.6065E-00	3.4636E-01	1.8194E+03
3.2000E+01	4.8040E+01	1.7172E-00	6.0908E-01	1.0414E+01	3.8677E-00	2.6927E-00	3.2507E-01	1.9282E+03
3.3000E+01	4.9660E+01	1.6401E-00	5.9145E-01	1.0951E+01	3.9352E-00	2.7828E-00	3.0462E-01	2.0397E+03
3.4000E+01	5.1360E+01	1.5623E-00	5.7276E-01	1.1508E+01	4.0009E-00	2.8763E-00	2.8513E-01	2.1532E+03
3.5000E+01	5.3190E+01	1.4807E-00	5.5213E-01	1.2099E+01	4.0662E-00	2.9756E-00	2.6622E-01	2.2709E+03
3.6000E+01	5.5200E+01	1.3939E-00	5.2900E-01	1.2736E+01	4.1320E-00	3.0824E-00	2.4769E-01	2.3947E+03
3.7000E+01	5.7480E+01	1.2991E-00	5.0237E-01	1.3439E+01	4.1995E-00	3.2001E-00	2.2922E-01	2.5277E+03
3.8000E+01	6.0320E+01	1.1860E-00	4.6856E-01	1.4277E+01	4.2739E-00	3.3406E-00	2.0953E-01	2.6818E+03
3.8931E+01	6.6091E+01	9.7237E-01	3.9878E-01	1.5826E+01	4.3964E-00	3.5998E-00	1.7881E-01	2.9539E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 4.10$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{\text{ft}^2}$ $\text{sec}^2 \cdot \text{O}_R$
.0000E-99	1.4117E+01	4.1000E-00	8.7792E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.4770E+01	4.0219E-00	8.7400E-01	1.1079E-00	1.0759E-00	1.0297E-00	0.9989E-01	1.8772E-01
2.0000E-00	1.5450E+01	3.9461E-00	8.7003E-01	1.2251E-00	1.1557E-00	1.0592E-00	0.9714E-01	1.4636E-00
3.0000E-00	1.6160E+01	3.8707E-00	8.6582E-01	1.3525E-00	1.2397E-00	1.0902E-00	0.9720E-01	4.8098E-00
4.0000E-00	1.6890E+01	3.7992E-00	8.6185E-01	1.4887E-00	1.3263E-00	1.1224E-00	0.9361E-01	1.0992E+01
5.0000E-00	1.7660E+01	3.7237E-00	8.5731E-01	1.6382E-00	1.4177E-00	1.1554E-00	0.8787E-01	2.0937E+01
6.0000E-00	1.8450E+01	3.6513E-00	8.5279E-01	1.7975E-00	1.5114E-00	1.1893E-00	0.7779E-01	3.5026E+01
7.0000E-00	1.9270E+01	3.5776E-00	8.4799E-01	1.9693E-00	1.6081E-00	1.2245E-00	0.6908E-01	5.3895E+01
8.0000E-00	2.0110E+01	3.5066E-00	8.4316E-01	2.1517E-00	1.7064E-00	1.2609E-00	0.5574E-01	7.7668E+01
9.0000E-00	2.0980E+01	3.4336E-00	8.3797E-01	2.3474E-00	1.8070E-00	1.2990E-00	0.3961E-01	1.0688E+02
1.0000E+01	2.1880E+01	3.3586E-00	8.3237E-01	2.5569E-00	1.9097E-00	1.3388E-00	0.2069E-01	1.4178E+02
1.1000E+01	2.2800E+01	3.2852E-00	8.2668E-01	2.7783E-00	2.0129E-00	1.3802E-00	0.0933E-01	1.8206E+02
1.2000E+01	2.3740E+01	3.2131E-00	8.2080E-01	3.0119E-00	2.1162E-00	1.4232E-00	0.7574E-01	2.2767E+02
1.3000E+01	2.4710E+01	3.1384E-00	8.1443E-01	3.2603E-00	2.2204E-00	1.4683E-00	0.4991E-01	2.7904E+02
1.4000E+01	2.5700E+01	3.0647E-00	8.0783E-01	3.5215E-00	2.3241E-00	1.5152E-00	0.2239E-01	3.3554E+02
1.5000E+01	2.6710E+01	2.9916E-00	8.0098E-01	3.7954E-00	2.4269E-00	1.5638E-00	0.9347E-01	3.9697E+02
1.6000E+01	2.7750E+01	2.9161E-00	7.9356E-01	4.0850E-00	2.5295E-00	1.6149E-00	0.6319E-01	4.6373E+02
1.7000E+01	2.8810E+01	2.8413E-00	7.8584E-01	4.3878E-00	2.6306E-00	1.6679E-00	0.3216E-01	5.3495E+02
1.8000E+01	2.9890E+01	2.7672E-00	7.7780E-01	4.7036E-00	2.7301E-00	1.7229E-00	0.069E-01	6.1035E+02
1.9000E+01	3.0990E+01	2.6937E-00	7.6944E-01	5.0325E-00	2.8275E-00	1.7795E-00	0.6907E-01	6.8959E+02
2.0000E+01	3.2120E+01	2.6183E-00	7.6044E-01	5.3775E-00	2.9237E-00	1.8392E-00	0.3729E-01	7.7310E+02
2.1000E+01	3.3270E+01	2.5439E-00	7.5107E-01	5.7353E-00	3.0175E-00	1.9006E-00	0.0588E-01	8.5981E+02
2.2000E+01	3.4440E+01	2.4704E-00	7.4140E-01	6.1059E-00	3.1088E-00	1.9640E-00	0.7507E-01	9.4938E+02
2.3000E+01	3.5640E+01	2.3958E-00	7.3107E-01	6.4920E-00	3.1982E-00	2.0298E-00	0.4478E-01	1.0422E+03
2.4000E+01	3.6860E+01	2.3226E-00	7.2040E-01	6.8903E-00	3.2847E-00	2.0976E-00	0.1543E-01	1.1372E+03
2.5000E+01	3.8110E+01	2.2489E-00	7.0912E-01	7.3034E-00	3.3691E-00	2.1677E-00	0.8694E-01	1.2348E+03
2.6000E+01	3.9380E+01	2.1768E-00	6.9755E-01	7.7278E-00	3.4504E-00	2.2396E-00	0.5963E-01	1.3338E+03
2.7000E+01	4.0690E+01	2.1031E-00	6.8512E-01	8.1694E-00	3.5299E-00	2.3143E-00	0.3319E-01	1.4355E+03
2.8000E+01	4.2030E+01	2.0301E-00	6.7212E-01	8.6244E-00	3.6067E-00	2.3911E-00	0.0792E-01	1.5386E+03
2.9000E+01	4.3410E+01	1.9565E-00	6.5870E-01	9.0952E-00	3.6813E-00	2.4705E-00	0.8371E-01	1.6436E+03
3.0000E+01	4.4830E+01	1.8830E-00	6.4415E-01	9.5810E-00	3.7536E-00	2.5524E-00	0.6063E-01	1.7501E+03
3.1000E+01	4.6310E+01	1.8076E-00	6.2867E-01	1.0087E+01	3.8243E-00	2.6376E-00	0.3846E-01	1.8589E+03
3.2000E+01	4.7840E+01	1.7325E-00	6.1247E-01	1.0609E+01	3.8927E-00	2.7254E-00	0.1743E-01	1.9690E+03
3.3000E+01	4.9440E+01	1.6561E-00	5.9518E-01	1.1152E+01	3.9595E-00	2.8167E-00	0.0736E-01	2.0811E+03
3.4000E+01	5.1130E+01	1.5777E-00	5.7653E-01	1.1721E+01	4.0249E-00	2.9121E-00	0.7811E-01	2.1959E+03
3.5000E+01	5.2940E+01	1.4962E-00	5.5612E-01	1.2322E+01	4.0897E-00	3.0129E-00	0.5954E-01	2.3145E+03
3.6000E+01	5.4920E+01	1.4097E-00	5.3331E-01	1.2967E+01	4.1547E-00	3.1210E-00	0.4142E-01	2.4387E+03
3.7000E+01	5.7150E+01	1.3160E-00	5.0722E-01	1.3674E+01	4.2210E-00	3.2395E-00	0.2345E-01	2.5714E+03
3.8000E+01	5.9670E+01	1.2063E-00	4.7481E-01	1.4503E+01	4.2929E-00	3.3784E-00	0.0463E-01	2.7225E+03
3.9000E+01	6.2450E+01	1.0903E-00	4.1849E-01	1.5815E+01	4.3956E-00	3.5980E-00	0.7900E-01	2.9520E+03
3.9082E+01	6.6123E+01	0.7296E-01	3.9398E-01	1.6231E+01	4.4256E-00	3.6676E-00	0.7179E-01	3.0226E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 4.15$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2 \sec^2 \cdot ^\circ R}$
.0000E-99	1.3943E+01	4.1500E-00	8.8035E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.4600E+01	4.0680E-00	8.7634E-01	1.1100E-00	1.0773E-00	1.0303E-00	9.9988E-01	1.9852E-01
2.0000E-00	1.5270E+01	3.9961E-00	8.7267E-01	1.2270E-00	1.1570E-00	1.0604E-00	9.9912E-01	1.4974E-00
3.0000E-00	1.5980E+01	3.9190E-00	8.6856E-01	1.3561E-00	1.2421E-00	1.0918E-00	9.9712E-01	4.9413E-00
4.0000E-00	1.6720E+01	3.8420E-00	8.6427E-01	1.4963E-00	1.3310E-00	1.1241E-00	9.9336E-01	1.1420E+01
5.0000E-00	1.7480E+01	3.7694E-00	8.6005E-01	1.6461E-00	1.4225E-00	1.1572E-00	9.8751E-01	2.1558E+01
6.0000E-00	1.8270E+01	3.6958E-00	8.5559E-01	1.8080E-00	1.5174E-00	1.1915E-00	9.7919E-01	3.6070E+01
7.0000E-00	1.9090E+01	3.6210E-00	8.5084E-01	1.9825E-00	1.6154E-00	1.2272E-00	9.6817E-01	5.5497E+01
8.0000E-00	1.9940E+01	3.5446E-00	8.4577E-01	2.1702E-00	1.7161E-00	1.2645E-00	9.5429E-01	8.0278E+01
9.0000E-00	2.0810E+01	3.4707E-00	8.4064E-01	2.3694E-00	1.8181E-00	1.3032E-00	9.3770E-01	1.1037E+02
1.0000E+01	2.1700E+01	3.3987E-00	8.3541E-01	2.5802E-00	1.9208E-00	1.3432E-00	9.1850E-01	1.4586E+02
1.1000E+01	2.2630E+01	3.3205E-00	8.2945E-01	2.8081E-00	2.0264E-00	1.3857E-00	8.9637E-01	1.8771E+02
1.2000E+01	2.3570E+01	3.2474E-00	8.2363E-01	3.0461E-00	2.1309E-00	1.4294E-00	8.7223E-01	2.3457E+02
1.3000E+01	2.4540E+01	3.1718E-00	8.1731E-01	3.2993E-00	2.2362E-00	1.4753E-00	8.4583E-01	2.8731E+02
1.4000E+01	2.5530E+01	3.0971E-00	8.1077E-01	3.5655E-00	2.3410E-00	1.5230E-00	8.1773E-01	3.4528E+02
1.5000E+01	2.6550E+01	3.0199E-00	8.0367E-01	3.8477E-00	2.4458E-00	1.5731E-00	7.8797E-01	4.0889E+02
1.6000E+01	2.7580E+01	2.9466E-00	7.9659E-01	4.1403E-00	2.5484E-00	1.6246E-00	7.5747E-01	4.7664E+02
1.7000E+01	2.8640E+01	2.8707E-00	7.8891E-01	4.4493E-00	2.6505E-00	1.6786E-00	7.2595E-01	5.4957E+02
1.8000E+01	2.9720E+01	2.7955E-00	7.8092E-01	4.7717E-00	2.7507E-00	1.7347E-00	6.9404E-01	6.2670E+02
1.9000E+01	3.0830E+01	2.7182E-00	7.7228E-01	5.1107E-00	2.8498E-00	1.7933E-00	6.6174E-01	7.0848E+02
2.0000E+01	3.1950E+01	2.6444E-00	7.6361E-01	5.4599E-00	2.9458E-00	1.8534E-00	6.2991E-01	7.9307E+02
2.1000E+01	3.3100E+01	2.5689E-00	7.5428E-01	5.8256E-00	3.0403E-00	1.9161E-00	5.9822E-01	8.8165E+02
2.2000E+01	3.4270E+01	2.4943E-00	7.4460E-01	6.2042E-00	3.1321E-00	1.9808E-00	5.6718E-01	9.7310E+02
2.3000E+01	3.5470E+01	2.4185E-00	7.3426E-01	6.5990E-00	3.2220E-00	2.0481E-00	5.3671E-01	1.0678E+03
2.4000E+01	3.6690E+01	2.3441E-00	7.2359E-01	7.0062E-00	3.3089E-00	2.1173E-00	5.0724E-01	1.1647E+03
2.5000E+01	3.7940E+01	2.2692E-00	7.1229E-01	7.4289E-00	3.3936E-00	2.1890E-00	4.7866E-01	1.2642E+03
2.6000E+01	3.9210E+01	2.1960E-00	7.0069E-01	7.8631E-00	3.4753E-00	2.2625E-00	4.5132E-01	1.3651E+03
2.7000E+01	4.0520E+01	2.1212E-00	6.8822E-01	8.3151E-00	3.5550E-00	2.3389E-00	4.2489E-01	1.4687E+03
2.8000E+01	4.1860E+01	2.0470E-00	6.7523E-01	8.7808E-00	3.6320E-00	2.4175E-00	3.9966E-01	1.5737E+03
2.9000E+01	4.3230E+01	1.9738E-00	6.6177E-01	9.2594E-00	3.7063E-00	2.4982E-00	3.7570E-01	1.6798E+03
3.0000E+01	4.4650E+01	1.8990E-00	6.4733E-01	9.7570E-00	3.7787E-00	2.5820E-00	3.5272E-01	1.7882E+03
3.1000E+01	4.6120E+01	1.8236E-00	6.3202E-01	1.0272E+01	3.8491E-00	2.6687E-00	3.3081E-01	1.8982E+03
3.2000E+01	4.7640E+01	1.7483E-00	6.1596E-01	1.0804E+01	3.9172E-00	2.7581E-00	3.1004E-01	2.0095E+03
3.3000E+01	4.9230E+01	1.6717E-00	5.9877E-01	1.1357E+01	3.9836E-00	2.8511E-00	2.9022E-01	2.1228E+03
3.4000E+01	5.0910E+01	1.5928E-00	5.8017E-01	1.1937E+01	4.0488E-00	2.9484E-00	2.7123E-01	2.2389E+03
3.5000E+01	5.2700E+01	1.5113E-00	5.5999E-01	1.2547E+01	4.1129E-00	3.0507E-00	2.5300E-01	2.3583E+03
3.6000E+01	5.4650E+01	1.4254E-00	5.3753E-01	1.3200E+01	4.1771E-00	3.1601E-00	2.3529E-01	2.4829E+03
3.7000E+01	5.6830E+01	1.3329E-00	5.1203E-01	1.3911E+01	4.2422E-00	3.2793E-00	2.1784E-01	2.6151E+03
3.8000E+01	5.9450E+01	1.2260E-00	4.8077E-01	1.4735E+01	4.3120E-00	3.4172E-00	1.9976E-01	2.7638E+03
3.9000E+01	6.3420E+01	1.0728E-00	4.3259E-01	1.5903E+01	4.4020E-00	3.6127E-00	1.7744E-01	2.9670E+03
3.9227E+01	6.6154E+01	9.7352E-01	3.9918E-01	1.6642E+01	4.4542E-00	3.7362E-00	1.6507E-01	3.0911E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 4.20$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta s}{ft^2}$ sec ² -°R
.0000E-99	1.3774E+01	4.2000E-00	8.8269E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.4420E+01	4.1222E-00	8.7900E-01	1.1096E-00	1.0770E-00	1.0301E-00	9.9988E-01	1.9629E-01
2.0000E-00	1.5100E+01	4.0431E-00	8.7508E-01	1.2299E-00	1.1590E-00	1.0611E-00	9.9909E-01	1.5502E-00
3.0000E-00	1.5810E+01	3.9645E-00	8.7101E-01	1.3609E-00	1.2451E-00	1.0929E-00	9.9702E-01	5.1125E-00
4.0000E-00	1.6550E+01	3.8861E-00	8.6675E-01	1.5032E-00	1.3353E-00	1.1257E-00	9.9314E-01	1.1810E+01
5.0000E-00	1.7310E+01	3.8124E-00	8.6257E-01	1.6553E-00	1.4280E-00	1.1591E-00	9.8710E-01	2.2279E+01
6.0000E-00	1.8100E+01	3.7377E-00	8.5815E-01	1.8197E-00	1.5241E-00	1.1939E-00	9.7852E-01	3.7250E+01
7.0000E-00	1.8920E+01	3.6618E-00	8.5346E-01	1.9970E-00	1.6233E-00	1.2301E-00	9.6717E-01	5.7274E+01
8.0000E-00	1.9770E+01	3.5844E-00	8.4844E-01	2.1878E-00	1.7253E-00	1.2680E-00	9.5289E-01	8.2794E+01
9.0000E-00	2.0640E+01	3.5096E-00	8.4336E-01	2.3904E-00	1.8285E-00	1.3072E-00	9.3585E-01	1.1376E+02
1.0000E+01	2.1540E+01	3.4326E-00	8.3790E-01	2.6075E-00	1.9337E-00	1.3483E-00	9.1593E-01	1.5069E+02
1.1000E+01	2.2460E+01	3.3573E-00	8.3230E-01	2.8370E-00	2.0394E-00	1.3911E-00	8.9349E-01	1.9324E+02
1.2000E+01	2.3410E+01	3.2796E-00	8.2623E-01	3.0819E-00	2.1462E-00	1.4360E-00	8.6852E-01	2.4188E+02
1.3000E+01	2.4380E+01	3.2031E-00	8.1997E-01	3.3400E-00	2.2526E-00	1.4826E-00	8.4154E-01	2.9603E+02
1.4000E+01	2.5370E+01	3.1276E-00	8.1348E-01	3.6114E-00	2.3584E-00	1.5312E-00	8.1288E-01	3.5549E+02
1.5000E+01	2.6380E+01	3.0527E-00	8.0673E-01	3.8962E-00	2.4633E-00	1.5817E-00	7.8288E-01	4.2003E+02
1.6000E+01	2.7420E+01	2.9752E-00	7.9940E-01	4.1977E-00	2.5678E-00	1.6347E-00	7.5156E-01	4.9008E+02
1.7000E+01	2.8480E+01	2.8984E-00	7.9176E-01	4.5129E-00	2.6707E-00	1.6897E-00	7.1957E-01	5.6472E+02
1.8000E+01	2.9570E+01	2.8193E-00	7.8349E-01	4.8451E-00	2.7727E-00	1.7474E-00	6.8694E-01	6.4436E+02
1.9000E+01	3.0670E+01	2.7439E-00	7.7519E-01	5.1881E-00	2.8716E-00	1.8066E-00	6.5456E-01	7.2722E+02
2.0000E+01	3.1790E+01	2.6691E-00	7.6655E-01	5.5448E-00	2.9683E-00	1.8679E-00	6.2241E-01	8.1364E+02
2.1000E+01	3.2940E+01	2.5924E-00	7.5723E-01	5.9183E-00	3.0633E-00	1.9319E-00	5.9045E-01	9.0408E+02
2.2000E+01	3.4110E+01	2.5167E-00	7.4756E-01	6.3053E-00	3.1557E-00	1.9980E-00	5.5920E-01	9.9741E+02
2.3000E+01	3.5310E+01	2.4399E-00	7.3723E-01	6.7088E-00	3.2460E-00	2.0667E-00	5.2857E-01	1.0940E+03
2.4000E+01	3.6530E+01	2.3644E-00	7.2655E-01	7.1251E-00	3.3333E-00	2.1375E-00	4.9900E-01	1.1928E+03
2.5000E+01	3.7780E+01	2.2884E-00	7.1524E-01	7.5573E-00	3.4183E-00	2.2108E-00	4.7037E-01	1.2942E+03
2.6000E+01	3.9050E+01	2.2141E-00	7.0361E-01	8.0015E-00	3.5002E-00	2.2859E-00	4.4302E-01	1.3970E+03
2.7000E+01	4.0350E+01	2.1399E-00	6.9141E-01	8.4604E-00	3.5796E-00	2.3635E-00	4.1681E-01	1.5017E+03
2.8000E+01	4.1690E+01	2.0645E-00	6.7837E-01	8.9370E-00	3.6568E-00	2.4439E-00	3.9163E-01	1.6086E+03
2.9000E+01	4.3060E+01	1.9901E-00	6.6484E-01	9.4270E-00	3.7312E-00	2.5265E-00	3.6775E-01	1.7165E+03
3.0000E+01	4.4470E+01	1.9156E-00	6.5060E-01	9.9330E-00	3.8033E-00	2.6116E-00	3.4503E-01	1.8260E+03
3.1000E+01	4.5940E+01	1.8390E-00	6.3519E-01	1.0460E+01	3.8737E-00	2.7004E-00	3.2324E-01	1.9379E+03
3.2000E+01	4.7450E+01	1.7636E-00	6.1928E-01	1.1002E+01	3.9414E-00	2.7914E-00	3.0275E-01	2.0503E+03
3.3000E+01	4.9030E+01	1.6867E-00	6.0221E-01	1.1566E+01	4.0075E-00	2.8860E-00	2.8320E-01	2.1648E+03
3.4000E+01	5.0700E+01	1.6073E-00	5.8368E-01	1.2157E+01	4.0723E-00	2.9852E-00	2.6447E-01	2.2822E+03
3.5000E+01	5.2470E+01	1.5262E-00	5.6374E-01	1.2776E+01	4.1359E-00	3.0890E-00	2.4660E-01	2.4023E+03
3.6000E+01	5.4400E+01	1.4400E-00	5.4144E-01	1.3439E+01	4.1995E-00	3.2002E-00	2.2921E-01	2.5277E+03
3.7000E+01	5.6540E+01	1.3483E-00	5.1639E-01	1.4157E+01	4.2636E-00	3.3204E-00	2.1222E-01	2.6600E+03
3.8000E+01	5.9080E+01	1.2436E-00	4.8604E-01	1.4979E+01	4.3317E-00	3.4581E-00	1.9478E-01	2.8071E+03
3.9000E+01	6.2660E+01	1.1036E-00	4.4260E-01	1.6072E+01	4.4143E-00	3.6409E-00	1.7450E-01	2.9957E+03
3.9368E+01	6.6185E+01	9.7405E-01	3.9936E-01	1.7057E+01	4.4820E-00	3.8058E-00	1.5862E-01	3.1595E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 4.25$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{R \ln 2}$, sec ² -°R
.0000E-99	1.3609E+01	4.2500E-00	8.8498E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.4260E+01	4.1674E-00	8.8117E-01	1.1119E-00	1.0786E-00	1.0308E-00	9.9987E-01	2.0848E-01
2.0000E-00	1.4940E+01	4.0867E-00	8.7726E-01	1.2339E-00	1.1616E-00	1.0621E-00	9.9905E-01	1.6242E-00
3.0000E-00	1.5640E+01	4.0122E-00	8.7350E-01	1.3649E-00	1.2477E-00	1.0939E-00	9.9694E-01	5.2588E-00
4.0000E-00	1.6380E+01	3.9323E-00	8.6928E-01	1.5092E-00	1.3390E-00	1.1270E-00	9.9293E-01	1.2159E+01
5.0000E-00	1.7150E+01	3.8524E-00	8.6487E-01	1.6656E-00	1.4341E-00	1.1613E-00	9.8662E-01	2.3111E+01
6.0000E-00	1.7940E+01	3.7768E-00	8.6049E-01	1.8326E-00	1.5315E-00	1.1966E-00	9.7776E-01	3.8582E+01
7.0000E-00	1.8760E+01	3.6999E-00	8.5584E-01	2.0129E-00	1.6320E-00	1.2333E-00	9.6606E-01	5.9246E+01
8.0000E-00	1.9600E+01	3.6261E-00	8.5117E-01	2.2046E-00	1.7341E-00	1.2713E-00	9.5155E-01	8.5209E+01
9.0000E-00	2.0480E+01	3.5459E-00	8.4586E-01	2.4130E-00	1.8397E-00	1.3115E-00	9.3385E-01	1.1742E+02
1.0000E+01	2.1370E+01	3.4722E-00	8.4074E-01	2.6313E-00	1.9450E-00	1.3528E-00	9.1365E-01	1.5495E+02
1.1000E+01	2.2300E+01	3.3919E-00	8.3490E-01	2.8675E-00	2.0530E-00	1.3967E-00	8.9043E-01	1.9913E+02
1.2000E+01	2.3250E+01	3.3133E-00	8.2889E-01	3.1169E-00	2.1610E-00	1.4423E-00	8.6489E-01	2.4907E+02
1.3000E+01	2.4220E+01	3.2359E-00	8.2269E-01	3.3798E-00	2.2686E-00	1.4898E-00	8.3734E-01	3.0461E+02
1.4000E+01	2.5210E+01	3.1594E-00	8.1625E-01	3.6564E-00	2.3754E-00	1.5392E-00	8.0813E-01	3.6556E+02
1.5000E+01	2.6230E+01	3.0802E-00	8.0925E-01	3.9497E-00	2.4823E-00	1.5911E-00	7.7728E-01	4.3234E+02
1.6000E+01	2.7270E+01	3.0018E-00	8.0196E-01	4.2572E-00	2.5877E-00	1.6451E-00	7.4545E-01	5.0408E+02
1.7000E+01	2.8330E+01	2.9241E-00	7.9436E-01	4.5789E-00	2.6915E-00	1.7012E-00	7.1300E-01	5.8046E+02
1.8000E+01	2.9410E+01	2.8471E-00	7.8644E-01	4.9147E-00	2.7933E-00	1.7594E-00	6.8025E-01	6.6114E+02
1.9000E+01	3.0510E+01	2.7706E-00	7.7818E-01	5.2648E-00	2.8929E-00	1.8198E-00	6.4751E-01	7.4579E+02
2.0000E+01	3.1640E+01	2.6920E-00	7.6925E-01	5.6322E-00	2.9911E-00	1.8829E-00	6.1477E-01	8.3484E+02
2.1000E+01	3.2790E+01	2.6144E-00	7.5995E-01	6.0138E-00	3.0866E-00	1.9483E-00	5.8257E-01	9.2715E+02
2.2000E+01	3.3960E+01	2.5378E-00	7.5030E-01	6.4091E-00	3.1795E-00	2.0157E-00	5.5113E-01	1.0223E+03
2.3000E+01	3.5160E+01	2.4599E-00	7.3997E-01	6.8214E-00	3.2702E-00	2.0859E-00	5.2037E-01	1.1208E+03
2.4000E+01	3.6370E+01	2.3855E-00	7.2960E-01	7.2435E-00	3.3572E-00	2.1576E-00	4.9095E-01	1.2207E+03
2.5000E+01	3.7620E+01	2.3084E-00	7.1827E-01	7.6854E-00	3.4425E-00	2.2324E-00	4.6228E-01	1.3240E+03
2.6000E+01	3.8890E+01	2.2330E-00	7.0662E-01	8.1396E-00	3.5246E-00	2.3093E-00	4.3492E-01	1.4287E+03
2.7000E+01	4.0190E+01	2.1576E-00	6.9438E-01	8.6090E-00	3.6042E-00	2.3885E-00	4.0874E-01	1.5352E+03
2.8000E+01	4.1530E+01	2.0811E-00	6.8129E-01	9.0967E-00	3.6816E-00	2.4708E-00	3.8364E-01	1.6440E+03
2.9000E+01	4.2890E+01	2.0072E-00	6.6799E-01	9.5944E-00	3.7556E-00	2.5547E-00	3.6002E-01	1.7530E+03
3.0000E+01	4.4300E+01	1.9314E-00	6.5368E-01	1.0112E+01	3.8277E-00	2.6418E-00	3.3742E-01	1.8643E+03
3.1000E+01	4.5760E+01	1.8549E-00	6.3846E-01	1.0649E+01	3.8978E-00	2.7321E-00	3.1591E-01	1.9773E+03
3.2000E+01	4.7270E+01	1.7782E-00	6.2243E-01	1.1203E+01	3.9655E-00	2.8252E-00	2.9556E-01	2.0915E+03
3.3000E+01	4.8840E+01	1.7012E-00	6.0548E-01	1.1777E+01	4.0312E-00	2.9216E-00	2.7629E-01	2.2072E+03
3.4000E+01	5.0500E+01	1.6214E-00	5.8704E-01	1.2380E+01	4.0957E-00	3.0226E-00	2.5784E-01	2.3258E+03
3.5000E+01	5.2250E+01	1.5406E-00	5.6737E-01	1.3007E+01	4.1586E-00	3.1279E-00	2.4033E-01	2.4465E+03
3.6000E+01	5.4150E+01	1.4552E-00	5.4547E-01	1.3678E+01	4.2213E-00	3.2402E-00	2.2336E-01	2.5721E+03
3.7000E+01	5.6260E+01	1.3637E-00	5.2067E-01	1.4405E+01	4.2847E-00	3.3619E-00	2.0674E-01	2.7048E+03
3.8000E+01	5.8730E+01	1.2606E-00	4.9112E-01	1.5228E+01	4.3512E-00	3.4997E-00	1.8989E-01	2.8507E+03
3.9000E+01	6.2060E+01	1.1288E-00	4.5065E-01	1.6280E+01	4.4290E-00	3.6757E-00	1.7098E-01	3.0307E+03
3.9505E+01	6.5215E+01	9.7460E-01	3.9959E-01	1.7478E+01	4.5092E-00	3.8761E-00	1.5244E-01	3.2277E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 4.30$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S}{R \ln 2}$
.0000E-99	1.3448E+01	4.3000E-00	8.8720E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.4100E+01	4.2147E-00	8.8337E-01	1.1135E-00	1.0798E-00	1.0312E-00	9.9987E-01	2.1688E-01
2.0000E-00	1.4780E+01	4.1324E-00	8.7950E-01	1.2372E-00	1.1638E-00	1.0630E-00	9.9901E-01	1.6865E-00
3.0000E-00	1.5480E+01	4.0566E-00	8.7576E-01	1.3700E-00	1.2510E-00	1.0951E-00	9.9682E-01	5.4506E-00
4.0000E-00	1.6220E+01	3.9755E-00	8.7159E-01	1.5164E-00	1.3435E-00	1.1286E-00	9.9269E-01	1.2585E+01
5.0000E-00	1.6980E+01	3.8994E-00	8.6749E-01	1.6730E-00	1.4386E-00	1.1629E-00	9.8627E-01	2.3720E+01
6.0000E-00	1.7780E+01	3.8177E-00	8.6288E-01	1.8448E-00	1.5384E-00	1.1991E-00	9.7704E-01	3.9850E+01
7.0000E-00	1.8600E+01	3.7398E-00	8.5828E-01	2.0279E-00	1.6402E-00	1.2363E-00	9.6499E-01	6.1139E+01
8.0000E-00	1.9440E+01	3.6651E-00	8.5366E-01	2.2228E-00	1.7435E-00	1.2748E-00	9.5008E-01	8.7863E+01
9.0000E-00	2.0320E+01	3.5839E-00	8.4841E-01	2.4347E-00	1.8504E-00	1.3157E-00	9.3191E-01	1.2099E+02
1.0000E+01	2.1220E+01	3.5051E-00	8.4305E-01	2.6593E-00	1.9581E-00	1.3581E-00	9.1096E-01	1.6001E+02
1.1000E+01	2.2140E+01	3.4281E-00	8.3757E-01	2.8972E-00	2.0661E-00	1.4022E-00	8.8744E-01	2.0490E+02
1.2000E+01	2.3090E+01	3.3485E-00	8.3162E-01	3.1511E-00	2.1753E-00	1.4485E-00	8.6134E-01	2.5612E+02
1.3000E+01	2.4060E+01	3.2701E-00	8.2547E-01	3.4188E-00	2.2840E-00	1.4968E-00	8.3323E-01	3.1306E+02
1.4000E+01	2.5060E+01	3.1890E-00	8.1878E-01	3.7034E-00	2.3930E-00	1.5476E-00	8.0316E-01	3.7614E+02
1.5000E+01	2.6070E+01	3.1124E-00	8.1214E-01	3.9995E-00	2.4998E-00	1.5999E-00	7.7208E-01	4.4385E+02
1.6000E+01	2.7110E+01	3.0330E-00	8.0490E-01	4.3129E-00	2.6062E-00	1.6548E-00	7.3976E-01	5.1723E+02
1.7000E+01	2.8180E+01	2.9510E-00	7.9704E-01	4.6441E-00	2.7117E-00	1.7125E-00	7.0655E-01	5.9606E+02
1.8000E+01	2.9260E+01	2.8730E-00	7.8915E-01	4.9868E-00	2.8143E-00	1.7719E-00	6.7340E-01	6.7853E+02
1.9000E+01	3.0360E+01	2.7956E-00	7.8092E-01	5.3440E-00	2.9146E-00	1.8334E-00	6.4031E-01	7.6498E+02
2.0000E+01	3.1490E+01	2.7160E-00	7.7202E-01	5.7191E-00	3.0134E-00	1.8978E-00	6.0727E-01	8.5588E+02
2.1000E+01	3.2640E+01	2.6373E-00	7.6275E-01	6.1087E-00	3.1095E-00	1.9645E-00	5.7484E-01	9.5006E+02
2.2000E+01	3.3810E+01	2.5596E-00	7.5311E-01	6.5125E-00	3.2027E-00	2.0333E-00	5.4323E-01	1.0471E+03
2.3000E+01	3.5000E+01	2.4830E-00	7.4309E-01	6.9302E-00	3.2931E-00	2.1044E-00	5.1260E-01	1.1467E+03
2.4000E+01	3.6220E+01	2.4053E-00	7.3241E-01	7.3650E-00	3.3812E-00	2.1782E-00	4.8286E-01	1.2492E+03
2.5000E+01	3.7470E+01	2.3271E-00	7.2107E-01	7.8167E-00	3.4668E-00	2.2547E-00	4.5415E-01	1.3544E+03
2.6000E+01	3.8740E+01	2.2506E-00	7.0940E-01	8.2810E-00	3.5491E-00	2.3332E-00	4.2682E-01	1.4609E+03
2.7000E+01	4.0040E+01	2.1742E-00	6.9713E-01	8.7610E-00	3.6289E-00	2.4142E-00	4.0069E-01	1.5693E+03
2.8000E+01	4.1370E+01	2.0983E-00	6.8429E-01	9.2561E-00	3.7058E-00	2.4977E-00	3.7586E-01	1.6791E+03
2.9000E+01	4.2730E+01	2.0232E-00	6.7094E-01	9.7654E-00	3.7799E-00	2.5834E-00	3.5235E-01	1.7900E+03
3.0000E+01	4.4140E+01	1.9464E-00	6.5656E-01	1.0295E+01	3.8521E-00	2.6726E-00	3.2987E-01	1.9030E+03
3.1000E+01	4.5590E+01	1.8700E-00	6.4153E-01	1.0841E+01	3.9217E-00	2.7643E-00	3.0866E-01	2.0171E+03
3.2000E+01	4.7090E+01	1.7934E-00	6.2567E-01	1.1405E+01	3.9891E-00	2.8591E-00	2.8860E-01	2.1324E+03
3.3000E+01	4.8660E+01	1.7150E-00	6.0859E-01	1.1993E+01	4.0548E-00	2.9578E-00	2.6949E-01	2.2500E+03
3.4000E+01	5.0300E+01	1.6360E-00	5.9048E-01	1.2603E+01	4.1186E-00	3.0600E-00	2.5143E-01	2.3690E+03
3.5000E+01	5.2050E+01	1.5537E-00	5.7063E-01	1.3246E+01	4.1815E-00	3.1679E-00	2.3409E-01	2.4916E+03
3.6000E+01	5.3920E+01	1.4693E-00	5.4916E-01	1.3923E+01	4.2432E-00	3.2813E-00	2.1756E-01	2.6173E+03
3.7000E+01	5.6000E+01	1.3781E-00	5.2467E-01	1.4659E+01	4.3058E-00	3.4045E-00	2.0132E-01	2.7504E+03
3.8000E+01	5.8400E+01	1.2772E-00	4.9598E-01	1.5482E+01	4.3707E-00	3.5422E-00	1.8508E-01	2.8948E+03
3.9000E+01	6.1540E+01	1.1513E-00	4.5776E-01	1.6506E+01	4.4448E-00	3.7135E-00	1.6725E-01	3.0685E+03
3.9637E+01	6.6244E+01	9.7512E-01	3.9973E-01	1.7904E+01	4.5358E-00	3.9473E-00	1.4652E-01	3.2957E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 4.35$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{sec^2 - O_R}$
.0000E-99	1.3290E+01	4.3500E-00	8.8938E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.3940E+01	4.2644E-00	8.8563E-01	1.1145E-00	1.0804E-00	1.0315E-00	9.9987E-01	2.2237E-01
2.0000E-00	1.4620E+01	4.1804E-00	8.8178E-01	1.2397E-00	1.1656E-00	1.0636E-00	9.9898E-01	1.7362E-00
3.0000E-00	1.5320E+01	4.1031E-00	8.7807E-01	1.3744E-00	1.2538E-00	1.0961E-00	9.9673E-01	5.6177E-00
4.0000E-00	1.6060E+01	4.0206E-00	8.7393E-01	1.5228E-00	1.3475E-00	1.1301E-00	9.9246E-01	1.2972E+01
5.0000E-00	1.6820E+01	3.9434E-00	8.6988E-01	1.6818E-00	1.4437E-00	1.1648E-00	9.8585E-01	2.4446E+01
6.0000E-00	1.7620E+01	3.8604E-00	8.6532E-01	1.8561E-00	1.5448E-00	1.2014E-00	9.7636E-01	4.1051E+01
7.0000E-00	1.8440E+01	3.7816E-00	8.6077E-01	2.0421E-00	1.6479E-00	1.2392E-00	9.6397E-01	6.2952E+01
8.0000E-00	1.9290E+01	3.7012E-00	8.5592E-01	2.2425E-00	1.7537E-00	1.2787E-00	9.4847E-01	9.0780E+01
9.0000E-00	2.0160E+01	3.6236E-00	8.5101E-01	2.4555E-00	1.8606E-00	1.3196E-00	9.3004E-01	1.2445E+02
1.0000E+01	2.1060E+01	3.5438E-00	8.4572E-01	2.6840E-00	1.9696E-00	1.3627E-00	9.0858E-01	1.6450E+02
1.1000E+01	2.1990E+01	3.4617E-00	8.3999E-01	2.9286E-00	2.0800E-00	1.4079E-00	8.8425E-01	2.1107E+02
1.2000E+01	2.2940E+01	3.3812E-00	8.3410E-01	3.1871E-00	2.1903E-00	1.4550E-00	8.5758E-01	2.6362E+02
1.3000E+01	2.3910E+01	3.3020E-00	8.2801E-01	3.4597E-00	2.3001E-00	1.5041E-00	8.2891E-01	3.2198E+02
1.4000E+01	2.4910E+01	3.2200E-00	8.2137E-01	3.7497E-00	2.4101E-00	1.5558E-00	7.9828E-01	3.8660E+02
1.5000E+01	2.5930E+01	3.1390E-00	8.1447E-01	4.0544E-00	2.5189E-00	1.6095E-00	7.6637E-01	4.5660E+02
1.6000E+01	2.6970E+01	3.0587E-00	8.0728E-01	4.3740E-00	2.6262E-00	1.6655E-00	7.3355E-01	5.3169E+02
1.7000E+01	2.8030E+01	2.9791E-00	7.9978E-01	4.7086E-00	2.7316E-00	1.7237E-00	7.0021E-01	6.1153E+02
1.8000E+01	2.9110E+01	2.9001E-00	7.9193E-01	5.0581E-00	2.8349E-00	1.7842E-00	6.6667E-01	6.9576E+02
1.9000E+01	3.0220E+01	2.8187E-00	7.8342E-01	5.4259E-00	2.9368E-00	1.8475E-00	6.3294E-01	7.8484E+02
2.0000E+01	3.1350E+01	2.7382E-00	7.7455E-01	5.8088E-00	3.0361E-00	1.9132E-00	5.9964E-01	8.7759E+02
2.1000E+01	3.2490E+01	2.6612E-00	7.6561E-01	6.2030E-00	3.1318E-00	1.9806E-00	5.6727E-01	9.7280E+02
2.2000E+01	3.3670E+01	2.5799E-00	7.5567E-01	6.6189E-00	3.2263E-00	2.0514E-00	5.3523E-01	1.0725E+03
2.3000E+01	3.4860E+01	2.5023E-00	7.4567E-01	7.0455E-00	3.3170E-00	2.1240E-00	5.0450E-01	1.1740E+03
2.4000E+01	3.6080E+01	2.4237E-00	7.3498E-01	7.4898E-00	3.4054E-00	2.1993E-00	4.7471E-01	1.2784E+03
2.5000E+01	3.7320E+01	2.3465E-00	7.2394E-01	7.9476E-00	3.4906E-00	2.2768E-00	4.4623E-01	1.3846E+03
2.6000E+01	3.8590E+01	2.2690E-00	7.1225E-01	8.4222E-00	3.5731E-00	2.3570E-00	4.1891E-01	1.4930E+03
2.7000E+01	3.9890E+01	2.1915E-00	6.9995E-01	8.9130E-00	3.6530E-00	2.4398E-00	3.9285E-01	1.6032E+03
2.8000E+01	4.1220E+01	2.1145E-00	6.8708E-01	9.4192E-00	3.7301E-00	2.5251E-00	3.6811E-01	1.7148E+03
2.9000E+01	4.2580E+01	2.0383E-00	6.7368E-01	9.9401E-00	3.8042E-00	2.6128E-00	3.4472E-01	1.8275E+03
3.0000E+01	4.3980E+01	1.9619E-00	6.5952E-01	1.0478E+01	3.8760E-00	2.7034E-00	3.2255E-01	1.9416E+03
3.1000E+01	4.5430E+01	1.8843E-00	6.4440E-01	1.1037E+01	3.9456E-00	2.7972E-00	3.0149E-01	2.0574E+03
3.2000E+01	4.6930E+01	1.8065E-00	6.2844E-01	1.1614E+01	4.0130E-00	2.8942E-00	2.8160E-01	2.1746E+03
3.3000E+01	4.8480E+01	1.7293E-00	6.1177E-01	1.2209E+01	4.0778E-00	2.9939E-00	2.6291E-01	2.2924E+03
3.4000E+01	5.0120E+01	1.6490E-00	5.9352E-01	1.2833E+01	4.1416E-00	3.0987E-00	2.4502E-01	2.4133E+03
3.5000E+01	5.1850E+01	1.5673E-00	5.7397E-01	1.3485E+01	4.2038E-00	3.2079E-00	2.2806E-01	2.5364E+03
3.6000E+01	5.3710E+01	1.4822E-00	5.5251E-01	1.4176E+01	4.2652E-00	3.3235E-00	2.1180E-01	2.6634E+03
3.7000E+01	5.5750E+01	1.3923E-00	5.2857E-01	1.4916E+01	4.3267E-00	3.4476E-00	1.9604E-01	2.7960E+03
3.8000E+01	5.8100E+01	1.2924E-00	5.0042E-01	1.5744E+01	4.3904E-00	3.5861E-00	1.8027E-01	2.9400E+03
3.9000E+01	6.1090E+01	1.1712E-00	4.6400E-01	1.6750E+01	4.4615E-00	3.7543E-00	1.6336E-01	3.1090E+03
3.9765E+01	6.6272E+01	9.7564E-01	3.9991E-01	1.8335E+01	4.5617E-00	4.0192E-00	1.4085E-01	3.3634E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 4.40$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{\frac{r^2}{\text{sec}^2 \cdot ^\circ \text{R}}}$
.0000E-99	1.3137E+01	4.4000E-00	8.9147E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.3780E+01	4.3164E-00	8.8793E-01	1.1148E-00	1.0806E-00	1.0315E-00	9.9986E-01	2.2443E-01
2.0000E-00	1.4460E+01	4.2305E-00	8.8410E-01	1.2416E-00	1.1668E-00	1.0641E-00	9.9876E-01	1.7732E-00
3.0000E-00	1.5170E+01	4.1460E-00	8.8015E-01	1.3800E-00	1.2574E-00	1.0974E-00	9.9660E-01	5.8369E-00
4.0000E-00	1.5910E+01	4.0623E-00	8.7605E-01	1.5306E-00	1.3523E-00	1.1318E-00	9.9219E-01	1.3447E+01
5.0000E-00	1.6670E+01	3.9841E-00	8.7204E-01	1.6919E-00	1.4497E-00	1.1670E-00	9.8536E-01	2.5297E+01
6.0000E-00	1.7460E+01	3.9052E-00	8.6781E-01	1.8666E-00	1.5508E-00	1.2036E-00	9.7571E-01	4.2179E+01
7.0000E-00	1.8290E+01	3.8202E-00	8.6303E-01	2.0578E-00	1.6564E-00	1.2423E-00	9.6283E-01	6.4983E+01
8.0000E-00	1.9140E+01	3.7389E-00	8.5823E-01	2.2614E-00	1.7634E-00	1.2824E-00	9.4690E-01	9.3615E+01
9.0000E-00	2.0010E+01	3.6605E-00	8.5338E-01	2.4780E-00	1.8716E-00	1.3239E-00	9.2799E-01	1.2822E+02
1.0000E+01	2.0910E+01	3.5799E-00	8.4814E-01	2.7103E-00	1.9818E-00	1.3676E-00	9.0602E-01	1.6935E+02
1.1000E+01	2.1840E+01	3.4968E-00	8.4248E-01	2.9592E-00	2.0934E-00	1.4135E-00	8.8114E-01	2.1713E+02
1.2000E+01	2.2790E+01	3.4154E-00	8.3664E-01	3.2223E-00	2.2048E-00	1.4614E-00	8.5390E-01	2.7100E+02
1.3000E+01	2.3760E+01	3.3353E-00	8.3060E-01	3.4999E-00	2.3157E-00	1.5113E-00	8.2467E-01	3.3078E+02
1.4000E+01	2.4760E+01	3.2523E-00	8.2403E-01	3.7952E-00	2.4268E-00	1.5638E-00	7.9349E-01	3.9692E+02
1.5000E+01	2.5780E+01	3.1703E-00	8.1718E-01	4.1056E-00	2.5365E-00	1.6185E-00	7.6106E-01	4.6853E+02
1.6000E+01	2.6820E+01	3.0890E-00	8.1004E-01	4.4313E-00	2.6447E-00	1.6755E-00	7.2777E-01	5.4528E+02
1.7000E+01	2.7890E+01	3.0050E-00	8.0226E-01	4.7756E-00	2.7519E-00	1.7353E-00	6.9367E-01	6.2763E+02
1.8000E+01	2.8970E+01	2.9251E-00	7.9446E-01	5.1321E-00	2.8559E-00	1.7969E-00	6.5975E-01	7.1365E+02
1.9000E+01	3.0080E+01	2.8428E-00	7.8599E-01	5.5073E-00	2.9584E-00	1.8615E-00	6.2571E-01	8.0456E+02
2.0000E+01	3.1210E+01	2.7612E-00	7.7714E-01	5.8980E-00	3.0583E-00	1.9285E-00	5.9215E-01	8.9917E+02
2.1000E+01	3.2350E+01	2.6833E-00	7.6823E-01	6.3003E-00	3.1545E-00	1.9972E-00	5.5958E-01	9.9622E+02
2.2000E+01	3.3530E+01	2.6010E-00	7.5830E-01	6.7249E-00	3.2494E-00	2.0695E-00	5.2739E-01	1.0979E+03
2.3000E+01	3.4720E+01	2.5224E-00	7.4831E-01	7.1606E-00	3.3405E-00	2.1435E-00	4.9657E-01	1.2012E+03
2.4000E+01	3.5940E+01	2.4427E-00	7.3762E-01	7.6143E-00	3.4291E-00	2.2204E-00	4.6675E-01	1.3075E+03
2.5000E+01	3.7180E+01	2.3646E-00	7.2657E-01	8.0820E-00	3.5145E-00	2.2995E-00	4.3827E-01	1.4155E+03
2.6000E+01	3.8450E+01	2.2860E-00	7.1487E-01	8.5670E-00	3.5973E-00	2.3815E-00	4.1100E-01	1.5257E+03
2.7000E+01	3.9740E+01	2.2094E-00	7.0285E-01	9.0647E-00	3.6766E-00	2.4654E-00	3.8522E-01	1.6369E+03
2.8000E+01	4.1070E+01	2.1312E-00	6.8993E-01	9.5823E-00	3.7538E-00	2.5526E-00	3.6057E-01	1.7503E+03
2.9000E+01	4.2430E+01	2.0539E-00	6.7648E-01	1.0114E+01	3.8281E-00	2.6422E-00	3.3731E-01	1.8648E+03
3.0000E+01	4.3830E+01	1.9764E-00	6.6226E-01	1.0665E+01	3.8998E-00	2.7348E-00	3.1529E-01	1.9807E+03
3.1000E+01	4.5270E+01	1.8991E-00	6.4735E-01	1.1233E+01	3.9690E-00	2.8301E-00	2.9453E-01	2.0975E+03
3.2000E+01	4.6760E+01	1.8215E-00	6.3157E-01	1.1820E+01	4.0359E-00	2.9287E-00	2.7494E-01	2.2156E+03
3.3000E+01	4.8310E+01	1.7430E-00	6.1478E-01	1.2428E+01	4.1007E-00	3.0307E+00	2.5643E-01	2.3352E+03
3.4000E+01	4.9940E+01	1.6624E-00	5.9664E-01	1.3064E+01	4.1641E-00	3.1373E+00	2.3883E-01	2.4572E+03
3.5000E+01	5.1660E+01	1.5803E-00	5.7716E-01	1.3728E+01	4.2259E-00	3.2486E+00	2.2215E-01	2.5814E+03
3.6000E+01	5.3500E+01	1.4955E-00	5.5594E-01	1.4428E+01	4.2867E-00	3.3658E-00	2.0624E-01	2.7090E+03
3.7000E+01	5.5510E+01	1.4062E-00	5.3237E-01	1.5177E+01	4.3473E-00	3.4912E-00	1.9088E-01	2.8418E+03
3.8000E+01	5.7810E+01	1.3076E-00	5.0480E-01	1.6009E+01	4.4098E-00	3.6305E-00	1.7558E-01	2.9851E+03
3.9000E+01	6.0680E+01	1.1899E-00	4.6979E-01	1.7003E+01	4.4785E-00	3.7967E-00	1.5944E-01	3.1507E+03
3.9889E+01	6.6300E+01	9.7612E-01	4.0007E-01	1.8770E+01	4.5870E-00	4.0921E-00	1.3541E-01	3.4310E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 4.45$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{ft^2}{sec^2 \cdot ^\circ R}$
.0000E-99	1.2986E+01	4.4500E-00	8.9354E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.3630E+01	4.3644E-00	8.8999E-01	1.1162E-00	1.0816E-00	1.0319E-00	9.9986E-01	2.3250E-01
2.0000E-00	1.4310E+01	4.2769E-00	8.8619E-01	1.2447E-00	1.1689E-00	1.0648E-00	9.9893E-01	1.8342E-00
3.0000E-00	1.5020E+01	4.1909E-00	8.8227E-01	1.3849E-00	1.2606E-00	1.0986E-00	9.9649E-01	6.0327E-00
4.0000E-00	1.5750E+01	4.1115E-00	8.7848E-01	1.5355E-00	1.3553E-00	1.1329E-00	9.9201E-01	1.3753E+01
5.0000E-00	1.6520E+01	4.0265E-00	8.7424E-01	1.7013E-00	1.4553E-00	1.1690E-00	9.8490E-01	2.6098E+01
6.0000E-00	1.7310E+01	3.9466E-00	8.7005E-01	1.8786E-00	1.5576E-00	1.2061E-00	9.7497E-01	4.3481E+01
7.0000E-00	1.8140E+01	3.8606E-00	8.6533E-01	2.0727E-00	1.6644E-00	1.2453E-00	9.6174E-01	6.6937E+01
8.0000E-00	1.8990E+01	3.7784E-00	8.6059E-01	2.2796E-00	1.7727E-00	1.2859E-00	9.4539E-01	9.6362E+01
9.0000E-00	1.9860E+01	3.6991E-00	8.5579E-01	2.4996E-00	1.8822E-00	1.3280E-00	9.2601E-01	1.3190E+02
1.0000E+01	2.0770E+01	3.6129E-00	8.5032E-01	2.7386E-00	1.9947E-00	1.3728E-00	9.0325E-01	1.7459E+02
1.1000E+01	2.1690E+01	3.5334E-00	8.4501E-01	2.9890E-00	2.1063E-00	1.4190E-00	8.7809E-01	2.2307E+02
1.2000E+01	2.2650E+01	3.4469E-00	8.3893E-01	3.2595E-00	2.2201E-00	1.4681E-00	8.5000E-01	2.7886E+02
1.3000E+01	2.3620E+01	3.3660E-00	8.3295E-01	3.5421E-00	2.3320E-00	1.5188E-00	8.2020E-01	3.4011E+02
1.4000E+01	2.4620E+01	3.2821E-00	8.2643E-01	3.8429E-00	2.4441E-00	1.5723E-00	7.8847E-01	4.0780E+02
1.5000E+01	2.5640E+01	3.1992E-00	8.1964E-01	4.1591E-00	2.5548E-00	1.6279E-00	7.5553E-01	4.8104E+02
1.6000E+01	2.6680E+01	3.1170E-00	8.1254E-01	4.4910E-00	2.6638E-00	1.6859E-00	7.2176E-01	5.5949E+02
1.7000E+01	2.7750E+01	3.0321E-00	8.0481E-01	4.8419E-00	2.7718E-00	1.7468E-00	6.8724E-01	6.4360E+02
1.8000E+01	2.8830E+01	2.9512E-00	7.9705E-01	5.2054E-00	2.8765E-00	1.8096E-00	6.5296E-01	7.3140E+02
1.9000E+01	2.9940E+01	2.8678E-00	7.8861E-01	5.5881E-00	2.9796E-00	1.8754E-00	6.1861E-01	8.2414E+02
2.0000E+01	3.1070E+01	2.7853E-00	7.7980E-01	5.9866E-00	3.0800E-00	1.9436E-00	5.8480E-01	9.2059E+02
2.1000E+01	3.2220E+01	2.7036E-00	7.7059E-01	6.4008E-00	3.1776E-00	2.0143E-00	5.5177E-01	1.0203E+03
2.2000E+01	3.3390E+01	2.6229E-00	7.6100E-01	6.8305E-00	3.2721E-00	2.0874E-00	5.1972E-01	1.1230E+03
2.3000E+01	3.4580E+01	2.5433E-00	7.5101E-01	7.2752E-00	3.3635E-00	2.1629E-00	4.8882E-01	1.2282E+03
2.4000E+01	3.5800E+01	2.4625E-00	7.4033E-01	7.7386E-00	3.4524E-00	2.2414E-00	4.5896E-01	1.3363E+03
2.5000E+01	3.7040E+01	2.3833E-00	7.2928E-01	8.2163E-00	3.5380E-00	2.3222E-00	4.3050E-01	1.4462E+03
2.6000E+01	3.8310E+01	2.3037E-00	7.1756E-01	8.7117E-00	3.6209E-00	2.4059E-00	4.0329E-01	1.5582E+03
2.7000E+01	3.9600E+01	2.2260E-00	7.0551E-01	9.2202E-00	3.7004E-00	2.4916E-00	3.7759E-01	1.6712E+03
2.8000E+01	4.0930E+01	2.1468E-00	6.9256E-01	9.7492E-00	3.7776E-00	2.5807E-00	3.5306E-01	1.7865E+03
2.9000E+01	4.2290E+01	2.0685E-00	6.7906E-01	1.0293E+01	3.8519E-00	2.6723E-00	3.2994E-01	1.9027E+03
3.0000E+01	4.3680E+01	1.9914E-00	6.6508E-01	1.0852E+01	3.9231E-00	2.7663E-00	3.0823E-01	2.0195E+03
3.1000E+01	4.5120E+01	1.9130E-00	6.5009E-01	1.1433E+01	3.9923E-00	2.8637E-00	2.8765E-01	2.1381E+03
3.2000E+01	4.6610E+01	1.8342E-00	6.3422E-01	1.2033E+01	4.0591E-00	2.9645E-00	2.6825E-01	2.2579E+03
3.3000E+01	4.8150E+01	1.7558E-00	6.1760E-01	1.2652E+01	4.1235E-00	3.0683E-00	2.5004E-01	2.3785E+03
3.4000E+01	4.9770E+01	1.6752E-00	5.9958E-01	1.3299E+01	4.1864E-00	3.1767E-00	2.3275E-01	2.5015E+03
3.5000E+01	5.1470E+01	1.5938E-00	5.8043E-01	1.3971E+01	4.2475E-00	3.2893E-00	2.1645E-01	2.6261E+03
3.6000E+01	5.3300E+01	1.5084E-00	5.5923E-01	1.4684E+01	4.3079E-00	3.4088E-00	2.0080E-01	2.7549E+03
3.7000E+01	5.5290E+01	1.4191E-00	5.3584E-01	1.5445E+01	4.3679E-00	3.5360E-00	1.8577E-01	2.8884E+03
3.8000E+01	5.7540E+01	1.3219E-00	5.0890E-01	1.6281E+01	4.4291E-00	3.6759E-00	1.7096E-01	3.0309E+03
3.9000E+01	6.0310E+01	1.2072E-00	4.7507E-01	1.7268E+01	4.4958E-00	3.8410E-00	1.5548E-01	3.1937E+03
4.0000E+01	6.5770E+01	9.9692E-01	4.0719E-01	1.9045E+01	4.6025E-00	4.1379E-00	1.3213E-01	3.4730E+03
4.0009E+01	6.6327E+01	9.7660E-01	4.0024E-01	1.9211E+01	4.6117E-00	4.1658E-00	1.3020E-01	3.4983E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 4.50$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2}$ $sec^2-^{\circ}R$
.0000E-99	1.2840E+01	4.5000E-00	8.9552E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.3490E+01	4.4081E-00	8.9182E-01	1.1189E-00	1.0835E-00	1.0326E-00	9.9985E-01	2.4777E-01
2.0000E-00	1.4160E+01	4.3254E-00	8.8831E-01	1.2471E-00	1.1705E-00	1.0654E-00	9.9890E-01	1.8834E-00
3.0000E-00	1.4870E+01	4.2378E-00	8.8443E-01	1.3892E-00	1.2633E-00	1.0996E-00	9.9639E-01	6.2041E-00
4.0000E-00	1.5610E+01	4.1513E-00	8.8040E-01	1.5439E-00	1.3605E-00	1.1348E-00	9.9170E-01	1.4285E+01
5.0000E-00	1.6370E+01	4.0709E-00	8.7648E-01	1.7099E-00	1.4604E-00	1.1708E-00	9.8447E-01	2.6847E+01
6.0000E-00	1.7170E+01	3.9846E-00	8.7206E-01	1.8922E-00	1.5652E-00	1.2088E-00	9.7413E-01	4.4974E+01
7.0000E-00	1.7990E+01	3.9028E-00	8.6767E-01	2.0869E-00	1.6720E-00	1.2481E-00	9.6069E-01	6.8811E+01
8.0000E-00	1.8840E+01	3.8195E-00	8.6299E-01	2.2969E-00	1.7816E-00	1.2892E-00	9.4393E-01	9.9014E+01
9.0000E-00	1.9720E+01	3.7345E-00	8.5796E-01	2.5231E-00	1.8935E-00	1.3325E-00	9.2384E-01	1.3591E+02
1.0000E+01	2.0620E+01	3.6521E-00	8.5284E-01	2.7633E-00	2.0061E-00	1.3774E-00	9.0082E-01	1.7923E+02
1.1000E+01	2.1550E+01	3.5672E-00	8.4729E-01	3.0207E-00	2.1200E-00	1.4248E-00	8.7483E-01	2.2945E+02
1.2000E+01	2.2510E+01	3.4797E-00	8.4128E-01	3.2960E-00	2.2349E-00	1.4747E-00	8.4617E-01	2.8662E+02
1.3000E+01	2.3480E+01	3.3980E-00	8.3535E-01	3.5837E-00	2.3479E-00	1.5263E-00	8.1581E-01	3.4932E+02
1.4000E+01	2.4480E+01	3.3132E-00	8.2889E-01	3.8899E-00	2.4610E-00	1.5805E-00	7.8354E-01	4.1857E+02
1.5000E+01	2.5500E+01	3.2293E-00	8.2215E-01	4.2119E-00	2.5726E-00	1.6372E-00	7.5009E-01	4.9343E+02
1.6000E+01	2.6550E+01	3.1426E-00	8.1479E-01	4.5533E-00	2.6835E-00	1.6967E-00	7.1554E-01	5.7436E+02
1.7000E+01	2.7610E+01	3.0602E-00	8.0742E-01	4.9076E-00	2.7912E-00	1.7582E-00	6.8093E-01	6.5943E+02
1.8000E+01	2.8700E+01	2.9751E-00	7.9939E-01	5.2816E-00	2.8976E-00	1.8227E-00	6.4598E-01	7.4985E+02
1.9000E+01	2.9810E+01	2.8908E-00	7.9098E-01	5.6718E-00	3.0013E-00	1.8897E-00	6.1134E-01	8.4443E+02
2.0000E+01	3.0940E+01	2.8073E-00	7.8219E-01	6.0783E-00	3.1022E-00	1.9593E-00	5.7730E-01	9.4274E+02
2.1000E+01	3.2090E+01	2.7247E-00	7.7302E-01	6.5009E-00	3.2002E-00	2.0314E-00	5.4410E-01	1.0443E+03
2.2000E+01	3.3260E+01	2.6431E-00	7.6344E-01	6.9394E-00	3.2950E-00	2.1059E-00	5.1195E-01	1.1489E+03
2.3000E+01	3.4450E+01	2.5625E-00	7.5347E-01	7.3933E-00	3.3867E-00	2.1830E-00	4.8099E-01	1.2559E+03
2.4000E+01	3.5670E+01	2.4807E-00	7.4279E-01	7.8664E-00	3.4759E-00	2.2631E-00	4.5112E-01	1.3659E+03
2.5000E+01	3.6910E+01	2.4005E-00	7.3173E-01	8.3542E-00	3.5616E-00	2.3455E-00	4.2270E-01	1.4776E+03
2.6000E+01	3.8170E+01	2.3220E-00	7.2031E-01	8.8562E-00	3.6440E-00	2.4303E-00	3.9576E-01	1.5906E+03
2.7000E+01	3.9470E+01	2.2413E-00	7.0793E-01	9.3797E-00	3.7242E-00	2.5185E-00	3.6997E-01	1.7062E+03
2.8000E+01	4.0790E+01	2.1629E-00	6.9525E-01	9.9161E-00	3.8009E-00	2.6088E-00	3.4576E-01	1.8224E+03
2.9000E+01	4.2150E+01	2.0835E-00	6.8171E-01	1.0472E+01	3.8752E-00	2.7024E-00	3.2278E-01	1.9403E+03
3.0000E+01	4.3540E+01	2.0054E-00	6.6767E-01	1.1044E+01	3.9465E-00	2.7984E-00	3.0124E-01	2.0589E+03
3.1000E+01	4.4970E+01	1.9274E-00	6.5290E-01	1.1633E+01	4.0151E-00	2.8974E-00	2.8098E-01	2.1783E+03
3.2000E+01	4.6450E+01	1.8488E-00	6.3722E-01	1.2243E+01	4.0815E-00	2.9997E-00	2.6188E-01	2.2991E+03
3.3000E+01	4.7990E+01	1.7692E-00	6.2048E-01	1.2876E+01	4.1458E-00	3.1058E-00	2.4386E-01	2.4215E+03
3.4000E+01	4.9600E+01	1.6884E-00	6.0260E-01	1.3534E+01	4.2082E-00	3.2161E-00	2.2686E-01	2.5455E+03
3.5000E+01	5.1300E+01	1.6057E-00	5.8329E-01	1.4222E+01	4.2692E-00	3.3314E-00	2.1075E-01	2.6718E+03
3.6000E+01	5.3110E+01	1.5208E-00	5.6238E-01	1.4945E+01	4.3289E-00	3.4524E-00	1.9547E-01	2.8010E+03
3.7000E+01	5.5070E+01	1.4323E-00	5.3939E-01	1.5713E+01	4.3880E-00	3.5808E-00	1.8084E-01	2.9345E+03
3.8000E+01	5.7290E+01	1.3353E-00	5.1272E-01	1.6559E+01	4.4485E-00	3.7224E-00	1.6639E-01	3.0774E+03
3.9000E+01	5.9980E+01	1.2228E-00	4.7981E-01	1.7544E+01	4.5134E-00	3.8872E-00	1.5149E-01	3.2383E+03
4.0000E+01	6.4340E+01	1.0517E-00	4.2561E-01	1.9028E+01	4.6015E-00	4.1351E-00	1.3233E-01	3.4704E+03
4.0126E+01	6.6353E+01	9.7710E-01	4.0041E-01	1.9657E+01	4.6358E-00	4.2403E-00	1.2521E-01	3.5654E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 4.55$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S, \text{ft}^2}{\text{sec}^2 \cdot ^\circ \text{R}}$
.0000E-99	1.2696E+01	4.5500E-00	8.9748E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.3340E+01	4.4605E-00	8.9396E-01	1.1191E-00	1.0836E-00	1.0327E-00	9.9985E-01	2.4914E-01
2.0000E-00	1.4020E+01	4.3696E-00	8.9021E-01	1.2508E-00	1.1729E-00	1.0663E-00	9.9885E-01	1.9604E-00
3.0000E-00	1.4730E+01	4.2807E-00	8.8635E-01	1.3948E-00	1.2669E-00	1.1009E-00	9.9625E-01	6.4354E-00
4.0000E-00	1.5460E+01	4.1989E-00	8.8264E-01	1.5495E-00	1.3639E-00	1.1360E-00	9.9150E-01	1.4643E+01
5.0000E-00	1.6230E+01	4.1116E-00	8.7848E-01	1.7200E-00	1.4663E-00	1.1730E-00	9.8396E-01	2.7741E+01
6.0000E-00	1.7020E+01	4.0297E-00	8.7440E-01	1.9026E-00	1.5711E-00	1.2110E-00	9.7346E-01	4.6144E+01
7.0000E-00	1.7850E+01	3.9415E-00	8.6978E-01	2.1027E-00	1.6804E-00	1.2512E-00	9.5950E-01	7.0930E+01
8.0000E-00	1.8700E+01	3.8573E-00	8.6515E-01	2.3160E-00	1.7912E-00	1.2929E-00	9.4231E-01	1.0196E+02
9.0000E-00	1.9580E+01	3.7714E-00	8.6017E-01	2.5458E-00	1.9044E-00	1.3368E-00	9.2173E-01	1.3984E+02
1.0000E+01	2.0480E+01	3.6882E-00	8.5511E-01	2.7900E-00	2.0182E-00	1.3824E-00	8.9818E-01	1.8426E+02
1.1000E+01	2.1410E+01	3.6024E-00	8.4963E-01	3.0518E-00	2.1333E-00	1.4305E-00	8.7164E-01	2.3573E+02
1.2000E+01	2.2370E+01	3.5140E-00	8.4367E-01	3.3317E-00	2.2493E-00	1.4812E-00	8.4241E-01	2.9426E+02
1.3000E+01	2.3350E+01	3.4272E-00	8.3750E-01	3.6275E-00	2.3645E-00	1.5341E-00	8.1118E-01	3.5909E+02
1.4000E+01	2.4350E+01	3.3416E-00	8.3109E-01	3.9393E-00	2.4786E-00	1.5893E-00	7.7837E-01	4.2993E+02
1.5000E+01	2.5370E+01	3.2569E-00	8.2440E-01	4.2673E-00	2.5911E-00	1.6469E-00	7.4442E-01	5.0646E+02
1.6000E+01	2.6420E+01	3.1692E-00	8.1709E-01	4.6151E-00	2.7028E-00	1.7075E-00	7.0941E-01	5.8912E+02
1.7000E+01	2.7480E+01	3.0860E-00	8.0977E-01	4.9761E-00	2.8112E-00	1.7700E-00	6.7441E-01	6.7595E+02
1.8000E+01	2.8570E+01	2.9999E-00	8.0178E-01	5.3572E-00	2.9182E-00	1.8357E-00	6.3912E-01	7.6818E+02
1.9000E+01	2.9680E+01	2.9146E-00	7.9341E-01	5.7551E-00	3.0225E-00	1.9040E-00	6.0420E-01	8.6459E+02
2.0000E+01	3.0810E+01	2.8302E-00	7.8465E-01	6.1696E-00	3.1239E-00	1.9749E-00	5.6994E-01	9.6475E+02
2.1000E+01	3.1960E+01	2.7466E-00	7.7550E-01	6.6006E-00	3.2223E-00	2.0483E-00	5.3659E-01	1.0682E+03
2.2000E+01	3.3130E+01	2.6640E-00	7.6594E-01	7.0479E-00	3.3175E-00	2.1244E-00	5.0433E-01	1.1746E+03
2.3000E+01	3.4320E+01	2.5824E-00	7.5598E-01	7.5112E-00	3.4095E-00	2.2029E-00	4.7333E-01	1.2834E+03
2.4000E+01	3.5540E+01	2.4996E-00	7.4531E-01	7.9940E-00	3.4989E-00	2.2847E-00	4.4346E-01	1.3953E+03
2.5000E+01	3.6780E+01	2.4184E-00	7.3424E-01	8.4920E-00	3.5848E-00	2.3688E-00	4.1508E-01	1.5088E+03
2.6000E+01	3.8040E+01	2.3389E-00	7.2281E-01	9.0046E-00	3.6673E-00	2.4553E-00	3.8822E-01	1.6236E+03
2.7000E+01	3.9340E+01	2.2571E-00	7.1041E-01	9.5393E-00	3.7476E-00	2.5454E-00	3.6254E-01	1.7410E+03
2.8000E+01	4.0660E+01	2.1777E-00	6.9771E-01	1.0087E+01	3.8243E-00	2.6376E-00	3.3847E-01	1.8589E+03
2.9000E+01	4.2010E+01	2.0991E-00	6.8442E-01	1.0651E+01	3.8981E-00	2.7325E-00	3.1582E-01	1.9778E+03
3.0000E+01	4.3400E+01	2.0199E-00	6.7033E-01	1.1235E+01	3.9693E-00	2.8306E-00	2.9445E-01	2.0980E+03
3.1000E+01	4.4830E+01	1.9408E-00	6.5549E-01	1.1838E+01	4.0379E-00	2.9317E-00	2.7437E-01	2.2192E+03
3.2000E+01	4.6310E+01	1.8611E-00	6.3973E-01	1.2461E+01	4.1042E-00	3.0363E-00	2.5547E-01	2.3417E+03
3.3000E+01	4.7840E+01	1.7817E-00	6.2317E-01	1.3105E+01	4.1680E-00	3.1441E-00	2.3777E-01	2.4649E+03
3.4000E+01	4.9440E+01	1.7009E-00	6.0543E-01	1.3774E+01	4.2300E-00	3.2562E-00	2.2107E-01	2.5898E+03
3.5000E+01	5.1130E+01	1.6180E-00	5.8622E-01	1.4474E+01	4.2905E-00	3.3735E-00	2.0525E-01	2.7172E+03
3.6000E+01	5.2920E+01	1.5335E-00	5.6560E-01	1.5206E+01	4.3495E-00	3.4960E-00	1.9032E-01	2.8468E+03
3.7000E+01	5.4870E+01	1.4444E-00	5.4260E-01	1.5988E+01	4.4082E-00	3.6269E-00	1.7595E-01	2.9815E+03
3.8000E+01	5.7050E+01	1.3485E-00	5.1644E-01	1.6841E+01	4.4676E-00	3.7695E-00	1.6194E-01	3.1239E+03
3.9000E+01	5.9660E+01	1.2384E-00	4.8451E-01	1.7823E+01	4.5308E-00	3.9338E-00	1.4762E-01	3.2828E+03
4.0000E+01	6.3580E+01	1.0823E-00	4.3569E-01	1.9204E+01	4.6113E-00	4.1646E-00	1.3028E-01	3.4972E+03
4.0240E+01	6.6378E+01	9.7762E-01	4.0059E-01	2.0108E+01	4.6594E-00	4.3156E-00	1.2042E-01	3.6322E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 4.60$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{-^{\circ}R}$
.0000E-99	1.2556E+01	4.6000E-00	8.9936E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.3200E+01	4.5085E-00	8.9586E-01	1.1205E-00	1.0846E-00	1.0331E-00	9.9984E-01	2.5755E-01
2.0000E-00	1.3880E+01	4.4158E-00	8.9214E-01	1.2539E-00	1.1750E-00	1.0671E-00	9.9881E-01	2.0269E-00
3.0000E-00	1.4580E+01	4.3317E-00	8.8859E-01	1.3976E-00	1.2687E-00	1.1015E-00	9.9618E-01	6.5547E-00
4.0000E-00	1.5320E+01	4.2425E-00	8.8464E-01	1.5566E-00	1.3683E-00	1.1376E-00	9.9123E-01	1.5102E+01
5.0000E-00	1.6090E+01	4.1539E-00	8.8053E-01	1.7295E-00	1.4719E-00	1.1750E-00	9.8347E-01	2.8585E+01
6.0000E-00	1.6890E+01	4.0655E-00	8.7621E-01	1.9171E-00	1.5792E-00	1.2139E-00	9.7253E-01	4.7783E+01
7.0000E-00	1.7710E+01	3.9818E-00	8.7192E-01	2.1177E-00	1.6884E-00	1.2542E-00	9.5836E-01	7.2975E+01
8.0000E-00	1.8560E+01	3.8968E-00	8.6735E-01	2.3344E-00	1.8005E-00	1.2965E-00	9.4073E-01	1.0483E+02
9.0000E-00	1.9440E+01	3.8099E-00	8.6243E-01	2.5678E-00	1.9149E-00	1.3409E-00	9.1967E-01	1.4368E+02
1.0000E+01	2.0350E+01	3.7210E-00	8.5714E-01	2.8187E-00	2.0311E-00	1.3877E-00	8.9532E-01	1.8973E+02
1.1000E+01	2.1280E+01	3.6344E-00	8.5171E-01	3.0849E-00	2.1474E-00	1.4365E-00	8.6821E-01	2.4249E+02
1.2000E+01	2.2240E+01	3.5452E-00	8.4581E-01	3.3697E-00	2.2645E-00	1.4880E-00	8.3841E-01	3.0243E+02
1.3000E+01	2.3220E+01	3.4575E-00	8.3970E-01	3.6707E-00	2.3808E-00	1.5417E-00	8.0662E-01	3.6876E+02
1.4000E+01	2.4220E+01	3.3711E-00	8.3334E-01	3.9880E-00	2.4958E-00	1.5978E-00	7.7328E-01	4.4119E+02
1.5000E+01	2.5240E+01	3.2856E-00	8.2670E-01	4.3220E-00	2.6091E-00	1.6564E-00	7.3884E-01	5.1937E+02
1.6000E+01	2.6290E+01	3.1970E-00	8.1945E-01	4.6762E-00	2.7216E-00	1.7181E-00	7.0339E-01	6.0376E+02
1.7000E+01	2.7360E+01	3.1093E-00	8.1186E-01	5.0475E-00	2.8318E-00	1.7823E-00	6.6767E-01	6.9319E+02
1.8000E+01	2.8440E+01	3.0257E-00	8.0422E-01	5.4323E-00	2.9385E-00	1.8486E-00	6.3237E-01	7.8638E+02
1.9000E+01	2.9550E+01	2.9395E-00	7.9589E-01	5.8378E-00	3.0433E-00	1.9182E-00	5.9719E-01	8.8462E+02
2.0000E+01	3.0680E+01	2.8540E-00	7.8717E-01	6.2604E-00	3.1452E-00	1.9904E-00	5.6272E-01	9.8662E+02
2.1000E+01	3.1830E+01	2.7693E-00	7.7804E-01	6.6999E-00	3.2440E-00	2.0652E-00	5.2922E-01	1.0919E+03
2.2000E+01	3.3010E+01	2.6829E-00	7.6818E-01	7.1601E-00	3.3404E-00	2.1434E-00	4.9661E-01	1.2011E+03
2.3000E+01	3.4200E+01	2.6005E-00	7.5824E-01	7.6328E-00	3.4326E-00	2.2235E-00	4.6558E-01	1.3118E+03
2.4000E+01	3.5410E+01	2.5192E-00	7.4788E-01	8.1214E-00	3.5215E-00	2.3062E-00	4.3597E-01	1.4245E+03
2.5000E+01	3.6650E+01	2.4369E-00	7.3682E-01	8.6297E-00	3.6076E-00	2.3920E-00	4.0764E-01	1.5398E+03
2.6000E+01	3.7920E+01	2.3542E-00	7.2506E-01	9.1571E-00	3.6908E-00	2.4810E-00	3.8066E-01	1.6573E+03
2.7000E+01	3.9210E+01	2.2735E-00	7.1296E-01	9.6989E-00	3.7705E-00	2.5722E-00	3.5530E-01	1.7756E+03
2.8000E+01	4.0530E+01	2.1931E-00	7.0022E-01	1.0258E+01	3.8472E-00	2.6664E-00	3.3138E-01	1.8952E+03
2.9000E+01	4.1880E+01	2.1134E-00	6.8690E-01	1.0835E+01	3.9210E-00	2.7633E-00	3.0889E-01	2.0158E+03
3.0000E+01	4.3270E+01	2.0332E-00	6.7275E-01	1.1431E+01	3.9921E-00	2.8635E-00	2.8770E-01	2.1378E+03
3.1000E+01	4.4690E+01	1.9546E-00	6.5814E-01	1.2043E+01	4.0602E-00	2.9661E-00	2.6796E-01	2.2598E+03
3.2000E+01	4.6170E+01	1.8739E-00	6.4230E-01	1.2680E+01	4.1264E-00	3.0730E-00	2.4925E-01	2.3839E+03
3.3000E+01	4.7690E+01	1.7946E-00	6.2593E-01	1.3334E+01	4.1897E-00	3.1825E-00	2.3187E-01	2.5080E+03
3.4000E+01	4.9290E+01	1.7127E-00	6.0807E-01	1.4018E+01	4.2515E-00	3.2971E-00	2.1537E-01	2.6346E+03
3.5000E+01	5.0960E+01	1.6306E-00	5.8922E-01	1.4726E+01	4.3113E-00	3.4157E-00	1.9994E-01	2.7622E+03
3.6000E+01	5.2750E+01	1.5448E-00	5.6842E-01	1.5475E+01	4.3702E-00	3.5410E-00	1.8521E-01	2.8936E+03
3.7000E+01	5.4680E+01	1.4560E-00	5.4566E-01	1.6268E+01	4.4282E-00	3.6737E-00	1.7117E-01	3.0288E+03
3.8000E+01	5.6830E+01	1.3607E-00	5.1984E-01	1.7130E+01	4.4868E-00	3.8178E-00	1.5753E-01	3.1713E+03
3.9000E+01	5.9370E+01	1.2528E-00	4.8878E-01	1.8111E+01	4.5484E-00	3.9819E-00	1.4375E-01	3.3284E+03
4.0000E+01	6.3000E+01	1.1066E-00	4.4354E-01	1.9431E+01	4.6237E-00	4.2026E-00	1.2770E-01	3.5316E+03
4.0350E+01	6.6403E+01	9.7808E-01	4.0075E-01	2.0564E+01	4.6824E-00	4.3917E-00	1.1584E-01	3.6988E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 4.65$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{\sec^2 - C_R}$
.0000E-99	1.2419E+01	4.6500E-00	9.0120E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.3060E+01	4.5585E-00	8.9780E-01	1.1214E-00	1.0852E-00	1.0333E-00	9.9984E-01	2.6304E-01
2.0000E-00	1.3740E+01	4.4641E-00	8.9410E-01	1.2564E-00	1.1767E-00	1.0677E-00	9.9878E-01	2.0799E-00
3.0000E-00	1.4450E+01	4.3721E-00	8.9031E-01	1.4041E-00	1.2729E-00	1.1030E-00	9.9602E-01	6.8270E-00
4.0000E-00	1.5180E+01	4.2879E-00	8.8668E-01	1.5630E-00	1.3722E-00	1.1390E-00	9.9099E-01	1.5524E+01
5.0000E-00	1.5950E+01	4.1982E-00	8.8261E-01	1.7382E-00	1.4770E-00	1.1768E-00	9.8302E-01	2.9378E+01
6.0000E-00	1.6750E+01	4.1085E-00	8.7834E-01	1.9285E-00	1.5855E-00	1.2163E-00	9.7179E-01	4.9092E+01
7.0000E-00	1.7570E+01	4.0239E-00	8.7410E-01	2.1321E-00	1.6960E-00	1.2570E-00	9.5726E-01	7.4941E+01
8.0000E-00	1.8430E+01	3.9326E-00	8.6930E-01	2.3546E-00	1.8107E-00	1.3003E-00	9.3898E-01	1.0802E+02
9.0000E-00	1.9310E+01	3.8450E-00	8.6444E-01	2.5917E-00	1.9263E-00	1.3454E-00	9.1742E-01	1.4789E+02
1.0000E+01	2.0220E+01	3.7552E-00	8.5921E-01	2.8467E-00	2.0437E-00	1.3929E-00	8.9252E-01	1.9511E+02
1.1000E+01	2.1150E+01	3.6678E-00	8.5384E-01	3.1174E-00	2.1611E-00	1.4424E-00	8.6485E-01	2.4915E+02
1.2000E+01	2.2110E+01	3.5777E-00	8.4799E-01	3.4070E-00	2.2793E-00	1.4947E-00	8.3448E-01	3.1050E+02
1.3000E+01	2.3090E+01	3.4892E-00	8.4194E-01	3.7132E-00	2.3966E-00	1.5493E-00	8.0213E-01	3.7833E+02
1.4000E+01	2.4090E+01	3.4018E-00	8.3564E-01	4.0361E-00	2.5126E-00	1.6063E-00	7.6827E-01	4.5233E+02
1.5000E+01	2.5120E+01	3.3114E-00	8.2875E-01	4.3794E-00	2.6279E-00	1.6664E-00	7.3301E-01	5.3297E+02
1.6000E+01	2.6160E+01	3.2258E-00	8.2185E-01	4.7366E-00	2.7401E-00	1.7286E-00	6.9746E-01	6.1827E+02
1.7000E+01	2.7230E+01	3.1371E-00	8.1431E-01	5.1148E-00	2.8510E-00	1.7940E-00	6.6136E-01	7.0247E+02
1.8000E+01	2.8320E+01	3.0491E-00	8.0640E-01	5.5105E-00	2.9593E-00	1.8621E-00	6.2543E-01	8.0533E+02
1.9000E+01	2.9430E+01	2.9619E-00	7.9811E-01	5.9238E-00	3.0647E-00	1.9329E-00	5.9000E-01	9.0541E+02
2.0000E+01	3.0560E+01	2.8755E-00	7.8941E-01	6.3546E-00	3.1670E-00	2.0064E-00	5.5535E-01	1.0092E+03
2.1000E+01	3.1710E+01	2.7900E-00	7.8031E-01	6.8027E-00	3.2662E-00	2.0827E-00	5.2172E-01	1.1164E+03
2.2000E+01	3.2880E+01	2.7054E-00	7.7080E-01	7.2680E-00	3.3620E-00	2.1617E-00	4.8931E-01	1.2265E+03
2.3000E+01	3.4080E+01	2.6192E-00	7.6054E-01	7.7541E-00	3.4553E-00	2.2441E-00	4.5800E-01	1.3399E+03
2.4000E+01	3.5290E+01	2.5370E-00	7.5020E-01	8.2527E-00	3.5443E-00	2.3284E-00	4.2842E-01	1.4545E+03
2.5000E+01	3.6530E+01	2.4538E-00	7.3913E-01	8.7713E-00	3.6305E-00	2.4159E-00	4.0016E-01	1.5716E+03
2.6000E+01	3.7800E+01	2.3700E-00	7.2737E-01	9.3097E-00	3.7138E-00	2.5067E-00	3.7329E-01	1.6909E+03
2.7000E+01	3.9090E+01	2.2884E-00	7.1525E-01	9.8628E-00	3.7935E-00	2.5998E-00	3.4807E-01	1.8109E+03
2.8000E+01	4.0410E+01	2.2071E-00	7.0248E-01	1.0434E+01	3.8702E-00	2.6959E-00	3.2430E-01	1.9323E+03
2.9000E+01	4.1750E+01	2.1283E-00	6.8943E-01	1.1018E+01	3.9434E-00	2.7941E-00	3.0216E-01	2.0536E+03
3.0000E+01	4.3140E+01	2.0470E-00	6.7523E-01	1.1628E+01	4.0145E-00	2.8965E-00	2.8115E-01	2.1773E+03
3.1000E+01	4.4560E+01	1.9674E-00	6.6057E-01	1.2252E+01	4.0824E-00	3.0013E-00	2.6160E-01	2.3009E+03
3.2000E+01	4.6030E+01	1.8870E-00	6.4494E-01	1.2899E+01	4.1481E-00	3.1098E-00	2.4323E-01	2.4259E+03
3.3000E+01	4.7550E+01	1.8067E-00	6.2847E-01	1.3567E+01	4.2113E-00	3.2217E-00	2.2605E-01	2.5516E+03
3.4000E+01	4.9140E+01	1.7248E-00	6.1077E-01	1.4262E+01	4.2727E-00	3.3381E-00	2.0986E-01	2.6791E+03
3.5000E+01	5.0810E+01	1.6416E-00	5.9179E-01	1.4987E+01	4.3323E-00	3.4593E-00	1.9463E-01	2.8084E+03
3.6000E+01	5.2580E+01	1.5565E-00	5.7131E-01	1.5745E+01	4.3904E-00	3.5862E-00	1.8026E-01	2.9400E+03
3.7000E+01	5.4490E+01	1.4679E-00	5.4879E-01	1.6548E+01	4.4478E-00	3.7206E-00	1.6657E-01	3.0756E+03
3.8000E+01	5.6610E+01	1.3732E-00	5.2332E-01	1.7419E+01	4.5055E-00	3.8662E-00	1.5329E-01	3.2181E+03
3.9000E+01	5.9100E+01	1.2664E-00	4.9280E-01	1.8406E+01	4.5659E-00	4.0313E-00	1.3993E-01	3.3746E+03
4.0000E+01	6.2510E+01	1.1276E-00	4.5029E-01	1.9684E+01	4.6373E-00	4.2448E-00	1.2491E-01	3.5694E+03
4.0456E+01	6.6428E+01	9.7849E-01	4.0089E-01	2.1025E+01	4.7049E-00	4.4688E-00	1.1144E-01	3.7652E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 4.70$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2}$ $\frac{sec^2}{sec^2 - O_R}$
.0000E-99	1.2284E+01	4.7000E-00	9.0302E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	+ .0000E-99
1.0000E-00	1.2930E+01	4.6036E-00	8.9950E-01	1.1236E-00	1.0868E-00	1.0339E-00	9.9983E-01	2.7659E-01
2.0000E-00	1.3600E+01	4.5145E-00	8.9610E-01	1.2582E-00	1.1779E-00	1.0682E-00	9.9876E-01	2.1201E-00
3.0000E-00	1.4310E+01	4.4208E-00	8.9234E-01	1.4077E-00	1.2752E-00	1.1039E-00	9.9593E-01	6.9853E-00
4.0000E-00	1.5050E+01	4.3290E-00	8.8847E-01	1.5709E-00	1.3770E-00	1.1407E-00	9.9068E-01	1.6057E+01
5.0000E-00	1.5820E+01	4.2382E-00	8.8445E-01	1.7486E-00	1.4830E-00	1.1790E-00	9.8247E-01	3.0334E+01
6.0000E-00	1.6620E+01	4.1476E-00	8.8022E-01	1.9416E-00	1.5928E-00	1.2189E-00	9.7093E-01	5.0619E+01
7.0000E-00	1.7440E+01	4.0622E-00	8.7604E-01	2.1482E-00	1.7046E-00	1.2602E-00	9.5601E-01	7.7183E+01
8.0000E-00	1.8300E+01	3.9699E-00	8.7129E-01	2.3741E-00	1.8204E-00	1.3041E-00	9.3728E-01	1.1114E+02
9.0000E-00	1.9180E+01	3.8814E-00	8.6649E-01	2.6150E-00	1.9373E-00	1.3498E-00	9.1521E-01	1.5203E+02
1.0000E+01	2.0090E+01	3.7908E-00	8.6132E-01	2.8741E-00	2.0559E-00	1.3979E-00	8.8977E-01	2.0040E+02
1.1000E+01	2.1020E+01	3.7026E-00	8.5600E-01	3.1491E-00	2.1745E-00	1.4482E-00	8.6155E-01	2.5572E+02
1.2000E+01	2.1980E+01	3.6115E-00	8.5022E-01	3.4436E-00	2.2938E-00	1.5012E-00	8.3061E-01	3.1846E+02
1.3000E+01	2.2960E+01	3.5221E-00	8.4423E-01	3.7549E-00	2.4120E-00	1.5567E-00	7.9773E-01	3.8778E+02
1.4000E+01	2.3970E+01	3.4296E-00	8.3768E-01	4.0868E-00	2.5301E-00	1.6152E-00	7.6301E-01	4.6414E+02
1.5000E+01	2.4990E+01	3.3424E-00	8.3115E-01	4.4328E-00	2.6452E-00	1.6758E-00	7.2761E-01	5.4565E+02
1.6000E+01	2.6040E+01	3.2519E-00	8.2399E-01	4.8000E-00	2.7592E-00	1.7396E-00	6.9130E-01	6.3350E+02
1.7000E+01	2.7110E+01	3.1623E-00	8.1650E-01	5.1851E-00	2.8708E-00	1.8061E-00	6.5483E-01	7.2649E+02
1.8000E+01	2.8200E+01	3.0734E-00	8.0863E-01	5.5882E-00	2.9797E-00	1.8754E-00	6.1860E-01	8.2417E+02
1.9000E+01	2.9310E+01	2.9853E-00	8.0037E-01	6.0093E-00	3.0856E-00	1.9475E-00	5.8293E-01	9.2608E+02
2.0000E+01	3.0440E+01	2.8979E-00	7.9171E-01	6.4484E-00	3.1883E-00	2.0224E-00	5.4811E-01	1.0317E+03
2.1000E+01	3.1600E+01	2.8084E-00	7.8232E-01	6.9092E-00	3.2887E-00	2.1008E-00	5.1408E-01	1.1417E+03
2.2000E+01	3.2770E+01	2.7230E-00	7.7282E-01	7.3837E-00	3.3848E-00	2.1813E-00	4.8163E-01	1.2536E+03
2.3000E+01	3.3960E+01	2.6386E-00	7.6290E-01	7.8753E-00	3.4775E-00	2.2646E-00	4.5058E-01	1.3680E+03
2.4000E+01	3.5180E+01	2.5529E-00	7.5225E-01	8.3881E-00	3.5674E-00	2.3513E-00	4.2080E-01	1.4853E+03
2.5000E+01	3.6420E+01	2.4688E-00	7.4118E-01	8.9173E-00	3.6537E-00	2.4406E-00	3.9263E-01	1.6042E+03
2.6000E+01	3.7680E+01	2.3865E-00	7.2973E-01	9.4623E-00	3.7364E-00	2.5324E-00	3.6610E-01	1.7243E+03
2.7000E+01	3.8970E+01	2.3039E-00	7.1759E-01	1.0026E+01	3.8161E-00	2.6274E-00	3.4102E-01	1.8460E+03
2.8000E+01	4.0280E+01	2.2235E-00	7.0511E-01	1.0605E+01	3.8922E-00	2.7248E-00	3.1759E-01	1.9682E+03
2.9000E+01	4.1630E+01	2.1418E-00	6.9172E-01	1.1206E+01	3.9659E-00	2.8257E-00	2.9545E-01	2.0921E+03
3.0000E+01	4.3020E+01	2.0595E-00	6.7748E-01	1.1829E+01	4.0369E-00	2.9302E-00	2.7465E-01	2.2174E+03
3.1000E+01	4.4430E+01	1.9806E-00	6.6305E-01	1.2462E+01	4.1042E-00	3.0365E-00	2.5544E-01	2.3419E+03
3.2000E+01	4.5900E+01	1.8991E-00	6.4735E-01	1.3123E+01	4.1698E-00	3.1473E-00	2.3727E-01	2.4685E+03
3.3000E+01	4.7420E+01	1.8178E-00	6.3080E-01	1.3806E+01	4.2328E-00	3.2616E-00	2.2030E-01	2.5958E+03
3.4000E+01	4.9000E+01	1.7361E-00	6.1326E-01	1.4512E+01	4.2937E-00	3.3799E-00	2.0443E-01	2.7241E+03
3.5000E+01	5.0660E+01	1.6528E-00	5.9441E-01	1.5248E+01	4.3528E-00	3.5031E-00	1.8950E-01	2.8542E+03
3.6000E+01	5.2410E+01	1.5685E-00	5.7427E-01	1.6015E+01	4.4101E-00	3.6314E-00	1.7549E-01	2.9860E+03
3.7000E+01	5.4310E+01	1.4794E-00	5.5177E-01	1.6833E+01	4.4671E-00	3.7682E-00	1.6206E-01	3.1227E+03
3.8000E+01	5.6410E+01	1.3846E-00	5.2646E-01	1.7716E+01	4.5242E-00	3.9159E-00	1.4909E-01	3.2658E+03
3.9000E+01	5.8840E+01	1.2798E-00	4.9674E-01	1.8705E+01	4.5832E-00	4.0811E-00	1.3621E-01	3.4208E+03
4.0000E+01	6.2090E+01	1.1461E-00	4.5615E-01	1.9958E+01	4.6516E-00	4.2905E-00	1.2199E-01	3.6101E+03
4.0559E+01	6.6452E+01	9.7890E-01	4.0103E-01	2.1491E+01	4.7268E-00	4.5466E-00	1.0723E-01	3.8313E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 4.75$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2 \sec^2 \cdot ^\circ R}$
.0000E-99	1.2153E+01	4.7500E-00	9.0476E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.2800E+01	4.6507E-00	9.0124E-01	1.1253E-00	1.0879E-00	1.0343E-00	9.9783E-01	2.8809E-01
2.0000E-00	1.3470E+01	4.5600E-00	8.9786E-01	1.2615E-00	1.1801E-00	1.0690E-00	9.9872E-01	2.1938E-00
3.0000E-00	1.4180E+01	4.4649E-00	8.9414E-01	1.4129E-00	1.2785E-00	1.1051E-00	9.9580E-01	7.2126E-00
4.0000E-00	1.4920E+01	4.3719E-00	8.9030E-01	1.5783E-00	1.3815E-00	1.1424E-00	9.9039E-01	1.6558E+01
5.0000E-00	1.5690E+01	4.2799E-00	8.8632E-01	1.7584E-00	1.4887E-00	1.1811E-00	9.8195E-01	3.1244E+01
6.0000E-00	1.6490E+01	4.1883E-00	8.8215E-01	1.9541E-00	1.5997E-00	1.2215E-00	9.7010E-01	5.2088E+01
7.0000E-00	1.7310E+01	4.1020E-00	8.7802E-01	2.1637E-00	1.7127E-00	1.2633E-00	9.5480E-01	7.9354E+01
8.0000E-00	1.8170E+01	4.0087E-00	8.7332E-01	2.3930E-00	1.8298E-00	1.3077E-00	9.3562E-01	1.1417E+02
9.0000E-00	1.9050E+01	3.9194E-00	8.6858E-01	2.6375E-00	1.9479E-00	1.3540E-00	9.1306E-01	1.5607E+02
1.0000E+01	1.9960E+01	3.8278E-00	8.6346E-01	2.9007E-00	2.0677E-00	1.4028E-00	8.8708E-01	2.0559E+02
1.1000E+01	2.0900E+01	3.7338E-00	8.5792E-01	3.1832E-00	2.1887E-00	1.4543E-00	8.5799E-01	2.6281E+02
1.2000E+01	2.1860E+01	3.6420E-00	8.5219E-01	3.4826E-00	2.3090E-00	1.5082E-00	8.2649E-01	3.2700E+02
1.3000E+01	2.2840E+01	3.5518E-00	8.4626E-01	3.7993E-00	2.4283E-00	1.5645E-00	7.9306E-01	3.9786E+02
1.4000E+01	2.3850E+01	3.4584E-00	8.3976E-01	4.1369E-00	2.5472E-00	1.6240E-00	7.5782E-01	4.7584E+02
1.5000E+01	2.4870E+01	3.3704E-00	8.3328E-01	4.4891E-00	2.6632E-00	1.6856E-00	7.2196E-01	5.5903E+02
1.6000E+01	2.5920E+01	3.2790E-00	8.2618E-01	4.8628E-00	2.7780E-00	1.7504E-00	6.8523E-01	6.4863E+02
1.7000E+01	2.6990E+01	3.1884E-00	8.1873E-01	5.2549E-00	2.8902E-00	1.8181E-00	6.4841E-01	7.4340E+02
1.8000E+01	2.8090E+01	3.0950E-00	8.1058E-01	5.6693E-00	3.0006E-00	1.8893E-00	6.1156E-01	8.4381E+02
1.9000E+01	2.9200E+01	3.0061E-00	8.0237E-01	6.0983E-00	3.1070E-00	1.9627E-00	5.7568E-01	9.4757E+02
2.0000E+01	3.0330E+01	2.9179E-00	7.9374E-01	6.5458E-00	3.2102E-00	2.0390E-00	5.4071E-01	1.0551E+03
2.1000E+01	3.1480E+01	2.8306E-00	7.8469E-01	7.0114E-00	3.3100E-00	2.1182E-00	5.0688E-01	1.1659E+03
2.2000E+01	3.2650E+01	2.7441E-00	7.7522E-01	7.4950E-00	3.4064E-00	2.2002E-00	4.7437E-01	1.2797E+03
2.3000E+01	3.3850E+01	2.6560E-00	7.6499E-01	8.0006E-00	3.5001E-00	2.2858E-00	4.4307E-01	1.3968E+03
2.4000E+01	3.5060E+01	2.5720E-00	7.5467E-01	8.5192E-00	3.5894E-00	2.3734E-00	4.1359E-01	1.5149E+03
2.5000E+01	3.6300E+01	2.4868E-00	7.4361E-01	9.0590E-00	3.6758E-00	2.4644E-00	3.8550E-01	1.6356E+03
2.6000E+01	3.7560E+01	2.4035E-00	7.3214E-01	9.6150E-00	3.7585E-00	2.5581E-00	3.5909E-01	1.7574E+03
2.7000E+01	3.8850E+01	2.3198E-00	7.1999E-01	1.0191E+01	3.8383E-00	2.6550E-00	3.3415E-01	1.8810E+03
2.8000E+01	4.0170E+01	2.2365E-00	7.0718E-01	1.0786E+01	3.9149E-00	2.7551E-00	3.1071E-01	2.0057E+03
2.9000E+01	4.1510E+01	2.1557E-00	6.9406E-01	1.1395E+01	3.9879E-00	2.8574E-00	2.8894E-01	2.1304E+03
3.0000E+01	4.2890E+01	2.0742E-00	6.8008E-01	1.2026E+01	4.0583E-00	2.9633E-00	2.6847E-01	2.2565E+03
3.1000E+01	4.4310E+01	1.9926E-00	6.6530E-01	1.2677E+01	4.1261E-00	3.0725E-00	2.4933E-01	2.3834E+03
3.2000E+01	4.5770E+01	1.9116E-00	6.4982E-01	1.3348E+01	4.1910E-00	3.1849E-00	2.3150E-01	2.5107E+03
3.3000E+01	4.7290E+01	1.8292E-00	6.3318E-01	1.4045E+01	4.2539E-00	3.3017E-00	2.1474E-01	2.6397E+03
3.4000E+01	4.8860E+01	1.7477E-00	6.1582E-01	1.4762E+01	4.3142E-00	3.4218E-00	1.9918E-01	2.7687E+03
3.5000E+01	5.0510E+01	1.6644E-00	5.9710E-01	1.5510E+01	4.3729E-00	3.5469E-00	1.8455E-01	2.8997E+03
3.6000E+01	5.2260E+01	1.5789E-00	5.7680E-01	1.6294E+01	4.4301E-00	3.6781E-00	1.7074E-01	3.0331E+03
3.7000E+01	5.4140E+01	1.4903E-00	5.5459E-01	1.7123E+01	4.4863E-00	3.8166E-00	1.5764E-01	3.1701E+03
3.8000E+01	5.6210E+01	1.3964E-00	5.2968E-01	1.8014E+01	4.5425E-00	3.9657E-00	1.4504E-01	3.3131E+03
3.9000E+01	5.8600E+01	1.2923E-00	5.0038E-01	1.9010E+01	4.6006E-00	4.1322E-00	1.3254E-01	3.4678E+03
4.0000E+01	6.1710E+01	1.1633E-00	4.6153E-01	2.0243E+01	4.6663E-00	4.3382E-00	1.1903E-01	3.6521E+03
4.0659E+01	6.6475E+01	9.7932E-01	4.0117E-01	2.1962E+01	4.7483E-00	4.6253E-00	1.0320E-01	3.8971E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 4.80$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{sec^2 - O_R}$
.0000E-99	1.2025E+01	4.8000E-00	9.0645E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.2670E+01	4.6998E-00	9.0300E-01	1.1264E-00	1.0887E-00	1.0346E-00	9.9782E-01	2.9529E-01
2.0000E-00	1.3340E+01	4.6075E-00	8.9965E-01	1.2643E-00	1.1819E-00	1.0697E-00	9.9868E-01	2.2552E-00
3.0000E-00	1.4050E+01	4.5109E-00	8.9596E-01	1.4175E-00	1.2814E-00	1.1061E-00	9.9568E-01	7.4164E-00
4.0000E-00	1.4790E+01	4.4165E-00	8.9216E-01	1.5850E-00	1.3856E-00	1.1438E-00	9.9012E-01	1.7022E+01
5.0000E-00	1.5560E+01	4.3234E-00	8.8823E-01	1.7675E-00	1.4940E-00	1.1830E-00	9.8146E-01	3.2105E+01
6.0000E-00	1.6360E+01	4.2306E-00	8.8410E-01	1.9659E-00	1.6063E-00	1.2239E-00	9.6930E-01	5.3494E+01
7.0000E-00	1.7190E+01	4.1376E-00	8.7974E-01	2.1811E-00	1.7218E-00	1.2667E-00	9.5343E-01	8.1830E+01
8.0000E-00	1.8040E+01	4.0492E-00	8.7539E-01	2.4111E-00	1.8386E-00	1.3112E-00	9.3401E-01	1.1713E+02
9.0000E-00	1.8930E+01	3.9535E-00	8.7042E-01	2.6622E-00	1.9594E-00	1.3586E-00	9.1068E-01	1.6054E+02
1.0000E+01	1.9840E+01	3.8611E-00	8.6536E-01	2.9296E-00	2.0804E-00	1.4081E-00	8.8415E-01	2.1127E+02
1.1000E+01	2.0780E+01	3.7663E-00	8.5987E-01	3.2167E-00	2.2025E-00	1.4604E-00	8.5449E-01	2.6982E+02
1.2000E+01	2.1740E+01	3.6737E-00	8.5420E-01	3.5210E-00	2.3239E-00	1.5151E-00	8.2243E-01	3.3545E+02
1.3000E+01	2.2720E+01	3.5826E-00	8.4832E-01	3.8430E-00	2.4442E-00	1.5723E-00	7.8846E-01	4.0784E+02
1.4000E+01	2.3730E+01	3.4884E-00	8.4188E-01	4.1864E-00	2.5640E-00	1.6327E-00	7.5272E-01	4.8744E+02
1.5000E+01	2.4760E+01	3.3953E-00	8.3515E-01	4.5483E-00	2.6819E-00	1.6959E-00	7.1604E-01	5.7315E+02
1.6000E+01	2.5810E+01	3.3031E-00	8.2810E-01	4.9287E-00	2.7974E-00	1.7618E-00	6.7891E-01	6.6452E+02
1.7000E+01	2.6880E+01	3.2118E-00	8.2069E-01	5.3280E-00	2.9103E-00	1.8307E-00	6.4176E-01	7.6110E+02
1.8000E+01	2.7970E+01	3.1211E-00	8.1291E-01	5.7461E-00	3.0202E-00	1.9025E-00	6.0497E-01	8.6241E+02
1.9000E+01	2.9090E+01	3.0277E-00	8.0441E-01	6.1870E-00	3.1281E-00	1.9778E-00	5.6855E-01	9.6895E+02
2.0000E+01	3.0220E+01	2.9387E-00	7.9581E-01	6.6429E-00	3.2316E-00	2.0555E-00	5.3344E-01	1.0783E+03
2.1000E+01	3.1370E+01	2.8504E-00	7.8679E-01	7.1174E-00	3.3317E-00	2.1362E-00	4.9953E-01	1.1910E+03
2.2000E+01	3.2540E+01	2.7631E-00	7.7734E-01	7.6103E-00	3.4284E-00	2.2197E-00	4.6700E-01	1.3065E+03
2.3000E+01	3.3740E+01	2.6740E-00	7.6713E-01	8.1257E-00	3.5222E-00	2.3069E-00	4.3572E-01	1.4255E+03
2.4000E+01	3.4950E+01	2.5891E-00	7.5682E-01	8.6545E-00	3.6116E-00	2.3962E-00	4.0631E-01	1.5454E+03
2.5000E+01	3.6190E+01	2.5030E-00	7.4576E-01	9.2050E-00	3.6981E-00	2.4891E-00	3.7833E-01	1.6679E+03
2.6000E+01	3.7450E+01	2.4187E-00	7.3429E-01	9.7721E-00	3.7809E-00	2.5846E-00	3.5205E-01	1.7914E+03
2.7000E+01	3.8740E+01	2.3342E-00	7.2212E-01	1.0359E+01	3.8606E-00	2.6834E-00	3.2727E-01	1.9166E+03
2.8000E+01	4.0050E+01	2.2519E-00	7.0960E-01	1.0962E+01	3.9366E-00	2.7847E-00	3.0419E-01	2.0421E+03
2.9000E+01	4.1400E+01	2.1683E-00	6.9615E-01	1.1588E+01	4.0101E-00	2.8899E-00	2.8245E-01	2.1694E+03
3.0000E+01	4.2780E+01	2.0859E-00	6.8212E-01	1.2232E+01	4.0803E-00	2.9979E-00	2.6220E-01	2.2971E+03
3.1000E+01	4.4190E+01	2.0050E-00	6.6760E-01	1.2893E+01	4.1475E-00	3.1087E-00	2.4340E-01	2.4247E+03
3.2000E+01	4.5650E+01	1.9231E-00	6.5205E-01	1.3578E+01	4.2123E-00	3.2234E-00	2.2579E-01	2.5536E+03
3.3000E+01	4.7160E+01	1.8410E-00	6.3562E-01	1.4285E+01	4.2746E-00	3.3419E-00	2.0936E-01	2.6833E+03
3.4000E+01	4.8730E+01	1.7584E-00	6.1816E-01	1.5018E+01	4.3347E-00	3.4646E-00	1.9401E-01	2.8139E+03
3.5000E+01	5.0370E+01	1.6752E-00	5.9959E-01	1.5777E+01	4.3928E-00	3.5917E-00	1.7967E-01	2.9456E+03
3.6000E+01	5.2110E+01	1.5895E-00	5.7940E-01	1.6574E+01	4.4496E-00	3.7250E-00	1.6615E-01	3.0799E+03
3.7000E+01	5.3970E+01	1.5015E-00	5.5747E-01	1.7413E+01	4.5051E-00	3.8652E-00	1.5338E-01	3.2171E+03
3.8000E+01	5.6020E+01	1.4077E-00	5.3276E-01	1.8316E+01	4.5606E-00	4.0162E-00	1.4108E-01	3.3606E+03
3.9000E+01	5.8380E+01	1.3038E-00	5.0372E-01	1.9324E+01	4.6179E-00	4.1847E-00	1.2891E-01	3.5154E+03
4.0000E+01	6.1370E+01	1.1790E-00	4.6640E-01	2.0542E+01	4.6813E-00	4.3880E-00	1.1606E-01	3.6956E+03
4.0756E+01	6.6498E+01	9.7970E-01	4.0131E-01	2.2438E+01	4.7692E-00	4.7048E-00	9.9332E-02	3.9627E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 4.85$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{sec^2 \cdot ^\circ R}$
.0000E-99	1.1899E+01	4.8500E-00	9.0812E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.2540E+01	4.7510E-00	9.0479E-01	1.1270E-00	1.0891E-00	1.0348E-00	9.9982E-01	2.9872E-01
2.0000E-00	1.3220E+01	4.6496E-00	9.0120E-01	1.2685E-00	1.1847E-00	1.0707E-00	9.9862E-01	2.3537E-00
3.0000E-00	1.3920E+01	4.5588E-00	8.9781E-01	1.4215E-00	1.2839E-00	1.1071E-00	9.9558E-01	7.5961E-00
4.0000E-00	1.4660E+01	4.4630E-00	8.9406E-01	1.5910E-00	1.3893E-00	1.1452E-00	9.8988E-01	1.7447E+01
5.0000E-00	1.5430E+01	4.3686E-00	8.9016E-01	1.7759E-00	1.4989E-00	1.1848E-00	9.8100E-01	3.2914E+01
6.0000E-00	1.6230E+01	4.2747E-00	8.8609E-01	1.9770E-00	1.6124E-00	1.2261E-00	9.6855E-01	5.4834E+01
7.0000E-00	1.7060E+01	4.1806E-00	8.8179E-01	2.1952E-00	1.7292E-00	1.2695E-00	9.5230E-01	8.3858E+01
8.0000E-00	1.7920E+01	4.0855E-00	8.7720E-01	2.4314E-00	1.8488E-00	1.3150E-00	9.3221E-01	1.2045E+02
9.0000E-00	1.8810E+01	3.9889E-00	8.7229E-01	2.6863E-00	1.9706E-00	1.3631E-00	9.0835E-01	1.6493E+02
1.0000E+01	1.9720E+01	3.8958E-00	8.6729E-01	2.9578E-00	2.0928E-00	1.4133E-00	8.8128E-01	2.1685E+02
1.1000E+01	2.0660E+01	3.8001E-00	8.6186E-01	3.2495E-00	2.2160E-00	1.4663E-00	8.5105E-01	2.7674E+02
1.2000E+01	2.1620E+01	3.7066E-00	8.5625E-01	3.5588E-00	2.3384E-00	1.5218E-00	8.1844E-01	3.4380E+02
1.3000E+01	2.2610E+01	3.6100E-00	8.5013E-01	3.8895E-00	2.4609E-00	1.5805E-00	7.8358E-01	4.1849E+02
1.4000E+01	2.3610E+01	3.5195E-00	8.4405E-01	4.2353E-00	2.5804E-00	1.6413E-00	7.4769E-01	4.9893E+02
1.5000E+01	2.4650E+01	3.4211E-00	8.3706E-01	4.6070E-00	2.7003E-00	1.7061E-00	7.1021E-01	5.8719E+02
1.6000E+01	2.5700E+01	3.3282E-00	8.3005E-01	4.9942E-00	2.8165E-00	1.7732E-00	6.7269E-01	6.8033E+02
1.7000E+01	2.6770E+01	3.2360E-00	8.2269E-01	5.4006E-00	2.9300E-00	1.8432E-00	6.3521E-01	7.7870E+02
1.8000E+01	2.7860E+01	3.1445E-00	8.1496E-01	5.8263E-00	3.0405E-00	1.9162E-00	5.9816E-01	8.8183E+02
1.9000E+01	2.8980E+01	3.0501E-00	8.0649E-01	6.2754E-00	3.1487E-00	1.9929E-00	5.6155E-01	9.9022E+02
2.0000E+01	3.0110E+01	2.9602E-00	7.9793E-01	6.7397E-00	3.2526E-00	2.0720E-00	5.2631E-01	1.1014E+03
2.1000E+01	3.1260E+01	2.8710E-00	7.8894E-01	7.2231E-00	3.3531E-00	2.1541E-00	4.9233E-01	1.2159E+03
2.2000E+01	3.2440E+01	2.7797E-00	7.7919E-01	7.7298E-00	3.4508E-00	2.2400E-00	4.5951E-01	1.3343E+03
2.3000E+01	3.3630E+01	2.6927E-00	7.6932E-01	8.2507E-00	3.5439E-00	2.3281E-00	4.2853E-01	1.4540E+03
2.4000E+01	3.4850E+01	2.6041E-00	7.5869E-01	8.7943E-00	3.6342E-00	2.4198E-00	3.9896E-01	1.5767E+03
2.5000E+01	3.6080E+01	2.5197E-00	7.4796E-01	9.3511E-00	3.7200E-00	2.5137E-00	3.7132E-01	1.6999E+03
2.6000E+01	3.7350E+01	2.4322E-00	7.3616E-01	9.9341E-00	3.8034E-00	2.6118E-00	3.4498E-01	1.8262E+03
2.7000E+01	3.8630E+01	2.3490E-00	7.2431E-01	1.0528E+01	3.8824E-00	2.7118E-00	3.2057E-01	1.9521E+03
2.8000E+01	3.9950E+01	2.2638E-00	7.1145E-01	1.1148E+01	3.9590E-00	2.8159E-00	2.9751E-01	2.0802E+03
2.9000E+01	4.1290E+01	2.1813E-00	6.9828E-01	1.1782E+01	4.0318E-00	2.9224E-00	2.7613E-01	2.2082E+03
3.0000E+01	4.2660E+01	2.0997E-00	6.8453E-01	1.2435E+01	4.1014E-00	3.0319E-00	2.5624E-01	2.3365E+03
3.1000E+01	4.4080E+01	2.0162E-00	6.6965E-01	1.3114E+01	4.1689E-00	3.1457E-00	2.3753E-01	2.4666E+03
3.2000E+01	4.5530E+01	1.9348E-00	6.5434E-01	1.3808E+01	4.2330E-00	3.2620E-00	2.2025E-01	2.5962E+03
3.3000E+01	4.7040E+01	1.8518E-00	6.3783E-01	1.4531E+01	4.2952E-00	3.3830E-00	2.0404E-01	2.7274E+03
3.4000E+01	4.8600E+01	1.7695E-00	6.2055E-01	1.5274E+01	4.3548E-00	3.5074E-00	1.8900E-01	2.8587E+03
3.5000E+01	5.0240E+01	1.6852E-00	6.0187E-01	1.6050E+01	4.4127E-00	3.6373E-00	1.7488E-01	2.9920E+03
3.6000E+01	5.1960E+01	1.6005E-00	5.8205E-01	1.6855E+01	4.4686E-00	3.7719E-00	1.6171E-01	3.1264E+03
3.7000E+01	5.3810E+01	1.5121E-00	5.6019E-01	1.7708E+01	4.5237E-00	3.9145E-00	1.4920E-01	3.2645E+03
3.8000E+01	5.5840E+01	1.4185E-00	5.3569E-01	1.8623E+01	4.5786E-00	4.0675E-00	1.3721E-01	3.4083E+03
3.9000E+01	5.8160E+01	1.3157E-00	5.0714E-01	1.9638E+01	4.6348E-00	4.2371E-00	1.2541E-01	3.5626E+03
4.0000E+01	6.1060E+01	1.1935E-00	4.7089E-01	2.0850E+01	4.6964E-00	4.4395E-00	1.1308E-01	3.7401E+03
4.0850E+01	6.6520E+01	9.8009E-01	4.0144E-01	2.2919E+01	4.7897E-00	4.7851E-00	9.5624E-02	4.0280E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 4.90$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{\text{ft}^2 \text{ sec}^2 \cdot ^\circ \text{R}}$
.0000E-99	1.1776E+01	4.9000E-00	9.0974E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.2420E+01	4.7966E-00	9.0635E-01	1.1290E-00	1.0905E-00	1.0353E-00	9.9981E-01	3.1228E-01
2.0000E-00	1.3090E+01	4.7010E-00	9.0305E-01	1.2701E-00	1.1857E-00	1.0711E-00	9.9860E-01	2.3909E-00
3.0000E-00	1.3800E+01	4.6014E-00	8.9942E-01	1.4271E-00	1.2875E-00	1.1084E-00	9.9543E-01	7.8544E-00
4.0000E-00	1.4540E+01	4.5045E-00	8.9571E-01	1.5988E-00	1.3940E-00	1.1469E-00	9.8956E-01	1.8003E+01
5.0000E-00	1.5310E+01	4.4091E-00	8.9186E-01	1.7862E-00	1.5048E-00	1.1869E-00	9.8043E-01	3.3909E+01
6.0000E-00	1.6110E+01	4.3142E-00	8.8783E-01	1.9901E-00	1.6195E-00	1.2287E-00	9.6765E-01	5.6424E+01
7.0000E-00	1.6940E+01	4.2192E-00	8.8358E-01	2.2114E-00	1.7376E-00	1.2726E-00	9.5100E-01	8.6199E+01
8.0000E-00	1.7800E+01	4.1232E-00	8.7905E-01	2.4510E-00	1.8584E-00	1.3188E-00	9.3044E-01	1.2370E+02
9.0000E-00	1.8690E+01	4.0258E-00	8.7420E-01	2.7097E-00	1.9815E-00	1.3675E-00	9.0608E-01	1.6924E+02
1.0000E+01	1.9600E+01	3.9318E-00	8.6925E-01	2.9854E-00	2.1048E-00	1.4183E-00	8.7846E-01	2.2235E+02
1.1000E+01	2.0540E+01	3.8352E-00	8.6389E-01	3.2816E-00	2.2291E-00	1.4721E-00	8.4768E-01	2.8356E+02
1.2000E+01	2.1510E+01	3.7358E-00	8.5804E-01	3.5992E-00	2.3538E-00	1.5290E-00	8.1416E-01	3.5278E+02
1.3000E+01	2.2490E+01	3.6432E-00	8.5227E-01	3.9321E-00	2.4760E-00	1.5880E-00	7.7913E-01	4.2827E+02
1.4000E+01	2.3500E+01	3.5472E-00	8.4595E-01	4.2872E-00	2.5977E-00	1.6503E-00	7.4239E-01	5.1115E+02
1.5000E+01	2.4530E+01	3.4523E-00	8.3932E-01	4.6616E-00	2.7171E-00	1.7155E-00	7.0482E-01	6.0025E+02
1.6000E+01	2.5590E+01	3.3542E-00	8.3205E-01	5.0592E-00	2.8352E-00	1.7844E-00	6.6656E-01	6.9603E+02
1.7000E+01	2.6660E+01	3.2611E-00	8.2474E-01	5.4728E-00	2.9493E-00	1.8556E-00	6.2877E-01	7.9620E+02
1.8000E+01	2.7760E+01	3.1649E-00	8.1672E-01	5.9102E-00	3.0613E-00	1.9305E-00	5.9113E-01	9.0212E+02
1.9000E+01	2.8870E+01	3.0733E-00	8.0862E-01	6.3634E-00	3.1690E-00	2.0079E-00	5.5467E-01	1.0113E+03
2.0000E+01	3.0000E+01	2.9824E-00	8.0010E-01	6.8362E-00	3.2733E-00	2.0884E-00	5.1931E-01	1.1244E+03
2.1000E+01	3.1160E+01	2.8891E-00	7.9081E-01	7.3330E-00	3.3749E-00	2.1727E-00	4.8498E-01	1.2417E+03
2.2000E+01	3.2330E+01	2.8000E-00	7.8140E-01	7.8448E-00	3.4719E-00	2.2594E-00	4.5244E-01	1.3609E+03
2.3000E+01	3.3530E+01	2.7091E-00	7.7123E-01	8.3801E-00	3.5660E-00	2.3499E-00	4.2125E-01	1.4835E+03
2.4000E+01	3.4740E+01	2.6224E-00	7.6093E-01	8.9296E-00	3.6556E-00	2.4426E-00	3.9201E-01	1.6069E+03
2.5000E+01	3.5980E+01	2.5345E-00	7.4988E-01	9.5018E-00	3.7422E-00	2.5391E-00	3.6427E-01	1.7329E+03
2.6000E+01	3.7240E+01	2.4484E-00	7.3841E-01	1.0091E+01	3.8249E-00	2.6383E-00	3.3829E-01	1.8598E+03
2.7000E+01	3.8530E+01	2.3621E-00	7.2622E-01	1.0702E+01	3.9045E-00	2.7411E-00	3.1387E-01	1.9884E+03
2.8000E+01	3.9840E+01	2.2781E-00	7.1366E-01	1.1330E+01	3.9803E-00	2.8464E-00	2.9117E-01	2.1172E+03
2.9000E+01	4.1180E+01	2.1939E+01	9.8634E-01	7.3416E-00	3.3766E-00	2.1742E-00	4.8440E-01	1.2438E+03
3.0000E+01	4.2550E+01	2.1121E-00	6.8667E-01	1.2642E+01	4.1226E-00	3.0667E-00	2.5031E-01	2.3767E+03
3.1000E+01	4.3960E+01	2.0293E-00	6.7204E-01	1.3330E+01	4.1894E-00	3.1820E-00	2.3195E-01	2.5074E+03
3.2000E+01	4.5420E+01	1.9454E-00	6.5638E-01	1.4044E+01	4.2538E-00	3.3015E-00	2.1477E-01	2.6394E+03
3.3000E+01	4.6920E+01	1.8629E-00	6.4009E-01	1.4777E+01	4.3154E-00	3.4242E-00	1.9889E-01	2.7713E+03
3.4000E+01	4.8470E+01	1.7809E-00	6.2300E-01	1.5531E+01	4.3744E-00	3.5504E-00	1.8416E-01	2.9033E+03
3.5000E+01	5.0100E+01	1.6967E-00	6.0447E-01	1.6319E+01	4.4318E-00	3.6822E-00	1.7032E-01	3.0373E+03
3.6000E+01	5.1820E+01	1.6108E-00	5.8451E-01	1.7142E+01	4.4876E-00	3.8198E-00	1.5735E-01	3.1732E+03
3.7000E+01	5.3660E+01	1.5221E-00	5.6272E-01	1.8008E+01	4.5422E-00	3.9647E-00	1.4511E-01	3.3122E+03
3.8000E+01	5.5670E+01	1.4288E-00	5.3846E-01	1.8935E+01	4.5964E-00	4.1197E-00	1.3342E-01	3.4563E+03
3.9000E+01	5.7950E+01	1.3273E-00	5.1044E-01	1.9957E+01	4.6516E-00	4.2903E-00	1.2200E-01	3.6099E+03
4.0000E+01	6.0780E+01	1.2068E-00	4.7496E-01	2.1169E+01	4.7118E-00	4.4929E-00	1.1012E-01	3.7858E+03
4.0942E+01	6.6542E+01	9.8047E-01	4.0157E-01	2.3406E+01	4.8097E-00	4.8663E-00	9.2068E-02	4.0930E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 4.95$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{R}$
.0000E-99	1.1655E+01	4.9500E-00	9.1134E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	+ .0000E-99
1.0000E-00	1.2300E+01	4.8446E-00	9.0795E-01	1.1306E-00	1.0916E-00	1.0357E-00	9.9981E-01	3.2309E-01
2.0000E-00	1.2970E+01	4.7474E-00	9.0467E-01	1.2733E-00	1.1878E-00	1.0719E-00	9.9856E-01	2.4663E-00
3.0000E-00	1.3680E+01	4.6464E-00	9.0108E-01	1.4322E-00	1.2907E-00	1.1095E-00	9.9529E-01	8.0910E-00
4.0000E-00	1.4420E+01	4.5482E-00	8.9740E-01	1.6061E-00	1.3984E-00	1.1485E-00	9.8926E-01	1.8526E+01
5.0000E-00	1.5190E+01	4.4517E-00	8.9360E-01	1.7959E-00	1.5104E-00	1.1889E-00	9.7988E-01	3.4860E+01
6.0000E-00	1.5990E+01	4.3558E-00	8.8962E-01	2.0025E-00	1.6264E-00	1.2312E-00	9.6678E-01	5.7957E+01
7.0000E-00	1.6820E+01	4.2599E-00	8.8543E-01	2.2269E-00	1.7456E-00	1.2756E-00	9.4974E-01	8.8472E+01
8.0000E-00	1.7680E+01	4.1630E-00	8.8096E-01	2.4699E-00	1.8677E-00	1.3224E-00	9.2873E-01	1.2687E+02
9.0000E-00	1.8570E+01	4.0645E-00	8.7616E-01	2.7325E-00	1.9919E-00	1.3717E-00	9.0385E-01	1.7346E+02
1.0000E+01	1.9490E+01	3.9641E-00	8.7099E-01	3.0154E-00	2.1177E-00	1.4238E-00	8.7538E-01	2.2838E+02
1.1000E+01	2.0430E+01	3.8668E-00	8.6568E-01	3.3164E-00	2.2431E-00	1.4784E-00	8.4403E-01	2.9097E+02
1.2000E+01	2.1390E+01	3.7717E-00	8.6019E-01	3.6357E-00	2.3677E-00	1.5355E-00	8.1031E-01	3.6093E+02
1.3000E+01	2.2380E+01	3.6733E-00	8.5418E-01	3.9774E-00	2.4920E-00	1.5960E-00	7.7439E-01	4.3874E+02
1.4000E+01	2.3390E+01	3.5764E-00	8.4791E-01	4.3385E-00	2.6146E-00	1.6593E-00	7.3716E-01	5.2327E+02
1.5000E+01	2.4430E+01	3.4762E-00	8.4103E-01	4.7230E-00	2.7359E-00	1.7262E-00	6.9880E-01	6.1498E+02
1.6000E+01	2.5480E+01	3.3815E-00	8.3412E-01	5.1237E-00	2.8535E-00	1.7955E-00	6.6053E-01	7.1163E+02
1.7000E+01	2.6560E+01	3.2835E-00	8.2654E-01	5.5485E-00	2.9693E-00	1.8686E-00	6.2208E-01	8.1455E+02
1.8000E+01	2.7650E+01	3.1903E-00	8.1889E-01	5.9896E-00	3.0808E-00	1.9441E-00	5.8455E-01	9.2133E+02
1.9000E+01	2.8770E+01	3.0941E-00	8.1050E-01	6.4552E-00	3.1899E-00	2.0236E-00	5.4759E-01	1.0334E+03
2.0000E+01	2.9900E+01	3.0024E-00	8.0201E-01	6.9367E-00	3.2945E-00	2.1055E-00	5.1213E-01	1.1482E+03
2.1000E+01	3.1060E+01	2.9081E-00	7.9275E-01	7.4427E-00	3.3963E-00	2.1913E-00	4.7777E-01	1.2674E+03
2.2000E+01	3.2230E+01	2.8182E-00	7.8337E-01	7.9641E-00	3.4935E-00	2.2796E-00	4.4524E-01	1.3884E+03
2.3000E+01	3.3430E+01	2.7264E-00	7.7321E-01	8.5095E-00	3.5878E-00	2.3718E-00	4.1412E-01	1.5128E+03
2.4000E+01	3.4640E+01	2.6388E-00	7.6293E-01	9.0695E-00	3.6774E-00	2.4662E-00	3.8498E-01	1.6380E+03
2.5000E+01	3.5880E+01	2.5500E-00	7.5188E-01	9.6527E-00	3.7639E-00	2.5645E-00	3.5738E-01	1.7656E+03
2.6000E+01	3.7140E+01	2.4631E-00	7.4041E-01	1.0253E+01	3.8466E-00	2.6656E-00	3.3156E-01	1.8943E+03
2.7000E+01	3.8420E+01	2.3781E-00	7.2853E-01	1.0872E+01	3.9256E-00	2.7696E-00	3.0751E-01	2.0235E+03
2.8000E+01	3.9740E+01	2.2910E-00	7.1564E-01	1.1516E+01	4.0019E-00	2.8778E-00	2.8484E-01	2.1549E+03
2.9000E+01	4.1080E+01	2.2067E-00	7.0241E-01	1.2176E+01	4.0744E-00	2.9885E-00	2.6388E-01	2.2861E+03
3.0000E+01	4.2450E+01	2.1233E-00	6.8859E-01	1.2855E+01	4.1438E-00	3.1024E-00	2.4442E-01	2.4175E+03
3.1000E+01	4.3860E+01	2.0397E-00	6.7392E-01	1.3557E+01	4.2104E-00	3.2200E-00	2.2629E-01	2.5498E+03
3.2000E+01	4.5300E+01	1.9581E-00	6.5879E-01	1.4276E+01	4.2738E-00	3.3403E-00	2.0957E-01	2.6815E+03
3.3000E+01	4.6800E+01	1.8744E-00	6.4242E-01	1.5023E+01	4.3352E-00	3.4655E-00	1.9390E-01	2.8149E+03
3.4000E+01	4.8360E+01	1.7901E-00	6.2497E-01	1.5799E+01	4.3944E-00	3.5952E-00	1.7930E-01	2.9492E+03
3.5000E+01	4.9980E+01	1.7062E-00	6.0662E-01	1.6598E+01	4.4512E-00	3.7290E-00	1.6576E-01	3.0839E+03
3.6000E+01	5.1690E+01	1.6204E-00	5.8679E-01	1.7434E+01	4.5064E-00	3.8686E-00	1.5308E-01	3.2205E+03
3.7000E+01	5.3520E+01	1.5315E-00	5.6509E-01	1.8314E+01	4.5605E-00	4.0159E-00	1.4110E-01	3.3603E+03
3.8000E+01	5.5510E+01	1.4387E-00	5.4109E-01	1.9253E+01	4.6140E-00	4.1727E-00	1.2972E-01	3.5046E+03
3.9000E+01	5.7760E+01	1.3378E-00	5.1342E-01	2.0284E+01	4.6684E-00	4.3450E-00	1.1862E-01	3.6580E+03
4.0000E+01	6.0510E+01	1.2201E-00	4.7898E-01	2.1492E+01	4.7269E-00	4.5467E-00	1.0723E-01	3.8314E+03
4.1000E+01	6.5590E+01	1.0175E-00	4.1418E-01	2.3537E+01	4.8150E-00	4.8883E-00	9.1140E-02	4.1104E+03
4.1030E+01	6.6564E+01	9.8077E-01	4.0167E-01	2.3897E+01	4.8293E-00	4.9484E-00	8.8658E-02	4.1578E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 5.0$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S,}{\text{ft}^2}$ sec^2-O_R
.0000E-99	1.1537E+01	5.0000E-00	9.1286E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.2180E+01	4.8935E-00	9.0954E-01	1.1316E-00	1.0923E-00	1.0360E-00	9.9980E-01	3.3081E-01
2.0000E-00	1.2850E+01	4.7947E-00	9.0629E-01	1.2759E-00	1.1896E-00	1.0725E-00	9.9852E-01	2.5297E-00
3.0000E-00	1.3560E+01	4.6921E-00	9.0273E-01	1.4367E-00	1.2936E-00	1.1106E-00	9.9517E-01	8.3048E-00
4.0000E-00	1.4300E+01	4.5926E-00	8.9909E-01	1.6127E-00	1.4024E-00	1.1499E-00	9.8898E-01	1.9012E+01
5.0000E-00	1.5070E+01	4.4949E-00	8.9533E-01	1.8049E-00	1.5156E-00	1.1908E-00	9.7937E-01	3.5763E+01
6.0000E-00	1.5880E+01	4.3915E-00	8.9113E-01	2.0170E-00	1.6342E-00	1.2341E-00	9.6577E-01	5.9765E+01
7.0000E-00	1.6710E+01	4.2948E-00	8.8698E-01	2.2446E-00	1.7548E-00	1.2791E-00	9.4830E-01	9.1088E+01
8.0000E-00	1.7570E+01	4.1971E-00	8.8256E-01	2.4911E-00	1.8780E-00	1.3264E-00	9.2679E-01	1.3045E+02
9.0000E-00	1.8460E+01	4.0980E-00	8.7782E-01	2.7576E-00	2.0034E-00	1.3764E-00	9.0138E-01	1.7816E+02
1.0000E+01	1.9380E+01	3.9968E-00	8.7270E-01	3.0449E-00	2.1304E-00	1.4292E-00	8.7234E-01	2.3434E+02
1.1000E+01	2.0320E+01	3.8987E-00	8.6745E-01	3.3505E-00	2.2569E-00	1.4845E-00	8.4043E-01	2.9830E+02
1.2000E+01	2.1280E+01	3.8028E-00	8.6202E-01	3.6750E-00	2.3824E-00	1.5425E-00	8.0616E-01	3.6973E+02
1.3000E+01	2.2280E+01	3.6986E-00	8.5576E-01	4.0258E-00	2.5090E-00	1.6045E-00	7.6935E-01	4.4994E+02
1.4000E+01	2.3290E+01	3.6011E-00	8.4954E-01	4.3929E-00	2.6323E-00	1.6688E-00	7.3164E-01	5.3617E+02
1.5000E+01	2.4320E+01	3.5047E-00	8.4302E-01	4.7801E-00	2.7533E-00	1.7361E-00	6.9323E-01	6.2872E+02
1.6000E+01	2.5380E+01	3.4048E-00	8.3586E-01	5.1917E-00	2.8726E-00	1.8072E-00	6.5423E-01	7.2807E+02
1.7000E+01	2.6450E+01	3.3100E-00	8.2864E-01	5.6199E-00	2.9879E-00	1.8808E-00	6.1584E-01	8.3183E+02
1.8000E+01	2.7550E+01	3.2120E-00	8.2071E-01	6.0728E-00	3.1009E-00	1.9584E-00	5.7775E-01	9.4141E+02
1.9000E+01	2.8670E+01	3.1149E-00	8.1236E-01	6.5467E-00	3.2104E-00	2.0392E-00	5.4064E-01	1.0553E+03
2.0000E+01	2.9800E+01	3.0223E-00	8.0390E-01	7.0370E-00	3.3153E-00	2.1225E-00	5.0509E-01	1.1720E+03
2.1000E+01	3.0960E+01	2.9272E-00	7.9467E-01	7.5522E-00	3.4174E-00	2.2099E-00	4.7070E-01	1.2930E+03
2.2000E+01	3.2130E+01	2.8364E-00	7.8531E-01	8.0833E-00	3.5147E-00	2.2998E-00	4.3820E-01	1.4158E+03
2.3000E+01	3.3330E+01	2.7436E-00	7.7517E-01	8.6389E-00	3.6091E-00	2.3936E-00	4.0714E-01	1.5419E+03
2.4000E+01	3.4540E+01	2.6552E-00	7.6490E-01	9.2095E-00	3.6988E-00	2.4898E-00	3.7811E-01	1.6688E+03
2.5000E+01	3.5780E+01	2.5655E-00	7.5385E-01	9.8038E-00	3.7853E-00	2.5899E-00	3.5065E-01	1.7982E+03
2.6000E+01	3.7040E+01	2.4777E-00	7.4238E-01	1.0416E+01	3.8680E-00	2.6930E-00	3.2500E-01	1.9286E+03
2.7000E+01	3.8320E+01	2.3918E-00	7.3050E-01	1.1046E+01	3.9468E-00	2.7989E-00	3.0114E-01	2.0594E+03
2.8000E+01	3.9630E+01	2.3060E-00	7.1791E-01	1.1699E+01	4.0224E-00	2.9084E-00	2.7884E-01	2.1915E+03
2.9000E+01	4.0970E+01	2.2206E-00	7.0465E-01	1.2371E+01	4.0949E-00	3.0212E-00	2.5808E-01	2.3242E+03
3.0000E+01	4.2340E+01	2.1363E-00	6.9079E-01	1.3064E+01	4.1641E-00	3.1374E-00	2.3883E-01	2.4572E+03
3.1000E+01	4.3750E+01	2.0517E-00	6.7608E-01	1.3780E+01	4.2305E-00	3.2573E-00	2.2092E-01	2.5910E+03
3.2000E+01	4.5200E+01	1.9676E-00	6.6060E-01	1.4518E+01	4.2942E-00	3.3809E-00	2.0431E-01	2.7251E+03
3.3000E+01	4.6690E+01	1.8846E-00	6.4446E-01	1.5276E+01	4.3549E-00	3.5078E-00	1.8897E-01	2.8591E+03
3.4000E+01	4.8240E+01	1.8007E-00	6.2721E-01	1.6062E+01	4.4136E-00	3.6393E-00	1.7467E-01	2.9940E+03
3.5000E+01	4.9860E+01	1.7157E-00	6.0875E-01	1.6878E+01	4.4702E-00	3.7758E-00	1.6135E-01	3.1302E+03
3.6000E+01	5.1560E+01	1.6300E-00	5.8907E-01	1.7727E+01	4.5248E-00	3.9176E-00	1.4895E-01	3.2675E+03
3.7000E+01	5.3370E+01	1.5420E-00	5.6771E-01	1.8617E+01	4.5782E-00	4.0664E-00	1.3729E-01	3.4073E+03
3.8000E+01	5.5350E+01	1.4487E-00	5.4373E-01	1.9571E+01	4.6312E-00	4.2259E-00	1.2615E-01	3.5525E+03
3.9000E+01	5.7570E+01	1.3485E-00	5.1642E-01	2.0612E+01	4.6848E-00	4.3997E-00	1.1537E-01	3.7058E+03
4.0000E+01	6.0260E+01	1.2324E-00	4.8269E-01	2.1822E+01	4.7420E-00	4.6019E-00	1.0437E-01	3.8777E+03
4.1000E+01	6.4650E+01	1.0549E-00	4.2667E-01	2.3653E+01	4.8197E-00	4.9076E-00	9.0330E-02	4.1257E+03
4.1118E+01	6.6584E+01	9.8120E-01	4.0182E-01	2.4393E+01	4.8484E-00	5.0312E-00	8.5391E-02	4.2222E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 5.1$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{ft^2}{sec^2 \cdot ^\circ R}$
.0000E-99	1.1308E+01	5.1000E-00	9.1583E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.1950E+01	4.9901E-00	9.1257E-01	1.1343E-00	1.0941E-00	1.0367E-00	9.9979E-01	3.4951E-01
2.0000E-00	1.2620E+01	4.8880E-00	9.0936E-01	1.2818E-00	1.1935E-00	1.0740E-00	9.9844E-01	2.6765E-00
3.0000E-00	1.3330E+01	4.7825E-00	9.0587E-01	1.4464E-00	1.2997E-00	1.1128E-00	9.9489E-01	8.7744E-00
4.0000E-00	1.4070E+01	4.6804E-00	9.0231E-01	1.6267E-00	1.4108E-00	1.1529E-00	9.8837E-01	2.0058E+01
5.0000E-00	1.4850E+01	4.5734E-00	8.9837E-01	1.8265E-00	1.5280E-00	1.1953E-00	9.7812E-01	3.7947E+01
6.0000E-00	1.5650E+01	4.4749E-00	8.9453E-01	2.0415E-00	1.6476E-00	1.2391E-00	9.6401E-01	6.2879E+01
7.0000E-00	1.6490E+01	4.3697E-00	8.9021E-01	2.2782E-00	1.7720E-00	1.2856E-00	9.4551E-01	9.6147E+01
8.0000E-00	1.7350E+01	4.2705E-00	8.8590E-01	2.5318E-00	1.8977E-00	1.3341E-00	9.2304E-01	1.3741E+02
9.0000E-00	1.8240E+01	4.1697E-00	8.8128E-01	2.8061E-00	2.0255E-00	1.3854E-00	8.9657E-01	1.8733E+02
1.0000E+01	1.9160E+01	4.0669E-00	8.7628E-01	3.1021E-00	2.1547E-00	1.4396E-00	8.6643E-01	2.4601E+02
1.1000E+01	2.0110E+01	3.9615E-00	8.7085E-01	3.4205E-00	2.2847E-00	1.4971E-00	8.3305E-01	3.1343E+02
1.2000E+01	2.1070E+01	3.8642E-00	8.6553E-01	3.7553E-00	2.4122E-00	1.5567E-00	7.9769E-01	3.8785E+02
1.3000E+01	2.2070E+01	3.7583E-00	8.5939E-01	4.1174E-00	2.5406E-00	1.6206E-00	7.5984E-01	4.7128E+02
1.4000E+01	2.3080E+01	3.6591E-00	8.5328E-01	4.4966E-00	2.6656E-00	1.6869E-00	7.2120E-01	5.6083E+02
1.5000E+01	2.4120E+01	3.5562E-00	8.4656E-01	4.9007E-00	2.7892E-00	1.7570E-00	6.8159E-01	6.5777E+02
1.6000E+01	2.5180E+01	3.4546E-00	8.3949E-01	5.3263E-00	2.9098E-00	1.8304E-00	6.4191E-01	7.6070E+02
1.7000E+01	2.6260E+01	3.3540E-00	8.3204E-01	5.7736E-00	3.0272E-00	1.9072E-00	6.0262E-01	8.6907E+02
1.8000E+01	2.7350E+01	3.2584E-00	8.2452E-01	6.2383E-00	3.1401E-00	1.9866E-00	5.6448E-01	9.8129E+02
1.9000E+01	2.8470E+01	3.1594E-00	8.1625E-01	6.7289E-00	3.2503E-00	2.0702E-00	5.2709E-01	1.0988E+03
2.0000E+01	2.9610E+01	3.0614E-00	8.0753E-01	7.2414E-00	3.3567E-00	2.1572E-00	4.9110E-01	1.2202E+03
2.1000E+01	3.0770E+01	2.9645E-00	7.9836E-01	7.7754E-00	3.4592E-00	2.2477E-00	4.5669E-01	1.3449E+03
2.2000E+01	3.1940E+01	2.8720E-00	7.8905E-01	8.3261E-00	3.5569E-00	2.3408E-00	4.2427E-01	1.4712E+03
2.3000E+01	3.3140E+01	2.7775E-00	7.7894E-01	8.9024E-00	3.6513E-00	2.4380E-00	3.9339E-01	1.6009E+03
2.4000E+01	3.4350E+01	2.6874E-00	7.6870E-01	9.4944E-00	3.7411E-00	2.5378E-00	3.6461E-01	1.7312E+03
2.5000E+01	3.5590E+01	2.5959E-00	7.5767E-01	1.0111E+01	3.8276E-00	2.6416E-00	3.3746E-01	1.8640E+03
2.6000E+01	3.6850E+01	2.5063E-00	7.4619E-01	1.0747E+01	3.9101E-00	2.7486E-00	3.1218E-01	1.9977E+03
2.7000E+01	3.8130E+01	2.4188E-00	7.3430E-01	1.1402E+01	3.9887E-00	2.8585E-00	2.8871E-01	2.1318E+03
2.8000E+01	3.9440E+01	2.3312E-00	7.2168E-01	1.2079E+01	4.0641E-00	2.9722E-00	2.6683E-01	2.2670E+03
2.9000E+01	4.0780E+01	2.2442E-00	7.0838E-01	1.2778E+01	4.1362E-00	3.0895E-00	2.4653E-01	2.4028E+03
3.0000E+01	4.2150E+01	2.1582E-00	6.9446E-01	1.3498E+01	4.2050E-00	3.2101E-00	2.2774E-01	2.5388E+03
3.1000E+01	4.3550E+01	2.0737E-00	6.7998E-01	1.4238E+01	4.2706E-00	3.3340E-00	2.1041E-01	2.6747E+03
3.2000E+01	4.4990E+01	1.9894E-00	6.6470E-01	1.5000E+01	4.3333E-00	3.4616E-00	1.9436E-01	2.8108E+03
3.3000E+01	4.6480E+01	1.9046E-00	6.4844E-01	1.5789E+01	4.3937E-00	3.5936E-00	1.7947E-01	2.9476E+03
3.4000E+01	4.8020E+01	1.8202E-00	6.3132E-01	1.6602E+01	4.4514E-00	3.7296E-00	1.6570E-01	3.0845E+03
3.5000E+01	4.9620E+01	1.7359E-00	6.1322E-01	1.7442E+01	4.5069E-00	3.8700E-00	1.5296E-01	3.2218E+03
3.6000E+01	5.1310E+01	1.6492E-00	5.9356E-01	1.8320E+01	4.5609E-00	4.0169E-00	1.4103E-01	3.3612E+03
3.7000E+01	5.3110E+01	1.5600E-00	5.7217E-01	1.9243E+01	4.6135E-00	4.1712E-00	1.2983E-01	3.5032E+03
3.8000E+01	5.5050E+01	1.4678E-00	5.4877E-01	2.0220E+01	4.6651E-00	4.3342E-00	1.1928E-01	3.6486E+03
3.9000E+01	5.7220E+01	1.3686E-00	5.2204E-01	2.1283E+01	4.7171E-00	4.5118E-00	1.0909E-01	3.8019E+03
4.0000E+01	5.9810E+01	1.2551E-00	4.8946E-01	2.2504E+01	4.7721E-00	4.7158E-00	9.8811E-02	3.9717E+03
4.1000E+01	6.3580E+01	1.0997E-00	4.4132E-01	2.4170E+01	4.8399E-00	4.9940E-00	8.6839E-02	4.1933E+03
4.1284E+01	6.6624E+01	9.8189E-01	4.0206E-01	2.5401E+01	4.8854E-00	5.1994E-00	7.9251E-02	4.3502E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 5.2$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2 - ^\circ R}{sec^2 - ^\circ R}$
.0000E-99	1.1087E+01	5.2000E-00	9.1867E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.1730E+01	5.0858E-00	9.1542E-01	1.1371E-00	1.0961E-00	1.0374E-00	9.9978E-01	3.7095E-01
2.0000E-00	1.2400E+01	4.9805E-00	9.1227E-01	1.2879E-00	1.1975E-00	1.0754E-00	9.9835E-01	2.8335E-00
3.0000E-00	1.3110E+01	4.8719E-00	9.0884E-01	1.4563E-00	1.3060E-00	1.1151E-00	9.9461E-01	9.2711E-00
4.0000E-00	1.3850E+01	4.7674E-00	9.0536E-01	1.6410E-00	1.4194E-00	1.1560E-00	9.8774E-01	2.1157E+01
5.0000E-00	1.4630E+01	4.6581E-00	9.0151E-01	1.8458E-00	1.5390E-00	1.1993E-00	9.7698E-01	3.9959E+01
6.0000E-00	1.5430E+01	4.5577E-00	8.9777E-01	2.0664E-00	1.6610E-00	1.2440E-00	9.6220E-01	6.6111E+01
7.0000E-00	1.6270E+01	4.4505E-00	8.9355E-01	2.3094E-00	1.7879E-00	1.2916E-00	9.4287E-01	1.0094E+02
8.0000E-00	1.7140E+01	4.3430E-00	8.8908E-01	2.5732E-00	1.9175E-00	1.3419E-00	9.1917E-01	1.4462E+02
9.0000E-00	1.8030E+01	4.2407E-00	8.8456E-01	2.8554E-00	2.0476E-00	1.3945E-00	8.9164E-01	1.9679E+02
1.0000E+01	1.8950E+01	4.1362E-00	8.7968E-01	3.1601E-00	2.1791E-00	1.4502E-00	8.6040E-01	2.5801E+02
1.1000E+01	1.9900E+01	4.0291E-00	8.7437E-01	3.4882E-00	2.3112E-00	1.5092E-00	8.2590E-01	3.2823E+02
1.2000E+01	2.0870E+01	3.9247E-00	8.6887E-01	3.8370E-00	2.4420E-00	1.5712E-00	7.8909E-01	4.0645E+02
1.3000E+01	2.1870E+01	3.8170E-00	8.6284E-01	4.2106E-00	2.5722E-00	1.6369E-00	7.5023E-01	4.9312E+02
1.4000E+01	2.2890E+01	3.7112E-00	8.5653E-01	4.6061E-00	2.7000E-00	1.7059E-00	7.1030E-01	5.8696E+02
1.5000E+01	2.3930E+01	3.6068E-00	8.4991E-01	5.0236E-00	2.8250E-00	1.7782E-00	6.6991E-01	6.8743E+02
1.6000E+01	2.4990E+01	3.5035E-00	8.4294E-01	5.4635E-00	2.9468E-00	1.8540E-00	6.2959E-01	7.9394E+02
1.7000E+01	2.6070E+01	3.4012E-00	8.3559E-01	5.9260E-00	3.0652E-00	1.9333E-00	5.8981E-01	9.0595E+02
1.8000E+01	2.7170E+01	3.2997E-00	8.2783E-01	6.4112E-00	3.1799E-00	2.0161E-00	5.5097E-01	1.0228E+03
1.9000E+01	2.8290E+01	3.1991E-00	8.1963E-01	6.9191E-00	3.2908E-00	2.1025E-00	5.1338E-01	1.1441E+03
2.0000E+01	2.9430E+01	3.0995E-00	8.1098E-01	7.4498E-00	3.3977E-00	2.1925E-00	4.7730E-01	1.2691E+03
2.1000E+01	3.0590E+01	3.0009E-00	8.0187E-01	8.0030E-00	3.5005E-00	2.2862E-00	4.4293E-01	1.3973E+03
2.2000E+01	3.1760E+01	2.9067E-00	7.9261E-01	8.5735E-00	3.5983E-00	2.3826E-00	4.1065E-01	1.5272E+03
2.3000E+01	3.2960E+01	2.8105E-00	7.8254E-01	9.1709E-00	3.6929E-00	2.4833E-00	3.7999E-01	1.6604E+03
2.4000E+01	3.4280E+01	2.6869E-00	7.6865E-01	9.8411E-00	3.7905E-00	2.5962E-00	3.4902E-01	1.8063E+03
2.5000E+01	3.5410E+01	2.6255E-00	7.6131E-01	1.0424E+01	3.8690E-00	2.6943E-00	3.2469E-01	1.9302E+03
2.6000E+01	3.6670E+01	2.5342E-00	7.4984E-01	1.1084E+01	3.9513E-00	2.8052E-00	2.9979E-01	2.0672E+03
2.7000E+01	3.7950E+01	2.4450E-00	7.3793E-01	1.1764E+01	4.0297E-00	2.9193E-00	2.7674E-01	2.2045E+03
2.8000E+01	3.9260E+01	2.3557E-00	7.2529E-01	1.2467E+01	4.1047E-00	3.0372E-00	2.5531E-01	2.3427E+03
2.9000E+01	4.0600E+01	2.2670E-00	7.1195E-01	1.3193E+01	4.1764E-00	3.1590E-00	2.3546E-01	2.4816E+03
3.0000E+01	4.1960E+01	2.1813E-00	6.9830E-01	1.3936E+01	4.2443E-00	3.2834E-00	2.1727E-01	2.6196E+03
3.1000E+01	4.3360E+01	2.0951E-00	6.8374E-01	1.4704E+01	4.3095E-00	3.4120E-00	2.0040E-01	2.7583E+03
3.2000E+01	4.4800E+01	2.0092E-00	6.6837E-01	1.5496E+01	4.3718E-00	3.5446E-00	1.8481E-01	2.8973E+03
3.3000E+01	4.6280E+01	1.9242E-00	6.5288E-01	1.6311E+01	4.4312E-00	3.6809E-00	1.7046E-01	3.0359E+03
3.4000E+01	4.7810E+01	1.8395E-00	6.3531E-01	1.7151E+01	4.4882E-00	3.8214E-00	1.5722E-01	3.1747E+03
3.5000E+01	4.9410E+01	1.7533E-00	6.1705E-01	1.8025E+01	4.5431E-00	3.9675E-00	1.4489E-01	3.3148E+03
3.6000E+01	5.1080E+01	1.6671E-00	5.9772E-01	1.8929E+01	4.5960E-00	4.1186E-00	1.3350E-01	3.4553E+03
3.7000E+01	5.2860E+01	1.5779E-00	5.7656E-01	1.9880E+01	4.6476E-00	4.2775E-00	1.2281E-01	3.5985E+03
3.8000E+01	5.4780E+01	1.4853E-00	5.5331E-01	2.0887E+01	4.6982E-00	4.4457E-00	1.1273E-01	3.7454E+03
3.9000E+01	5.6910E+01	1.3866E-00	5.2702E-01	2.1977E+01	4.7489E-00	4.6277E-00	1.0308E-01	3.8991E+03
4.0000E+01	5.9400E+01	1.2765E-00	4.9577E-01	2.3205E+01	4.8015E-00	4.8328E-00	9.3512E-02	4.0663E+03
4.1000E+01	6.2330E+01	1.1326E-00	4.5188E-01	2.4802E+01	4.8637E-00	5.0994E-00	8.2826E-02	4.2745E+03
4.1440E+01	6.6663E+01	9.8247E-01	4.0226E-01	2.6429E+01	4.9207E-00	5.3710E-00	7.3600E-02	4.4772E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 5.3$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{ft^2}{sec^2 - ^\circ R}$
.0000E-99	1.0876E+01	5.3000E-00	9.2134E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.1520E+01	5.1800E-00	9.1811E-01	1.1404E-00	1.0983E-00	1.0383E-00	9.9976E-01	3.9617E-01
2.0000E-00	1.2190E+01	5.0715E-00	9.1500E-01	1.2944E-00	1.2018E-00	1.0770E-00	9.9824E-01	3.0058E-00
3.0000E-00	1.2900E+01	4.9601E-00	9.1164E-01	1.4666E-00	1.3125E-00	1.1174E-00	9.9430E-01	9.8035E-00
4.0000E-00	1.3640E+01	4.8532E-00	9.0823E-01	1.6558E-00	1.4283E-00	1.1592E-00	9.8707E-01	2.2319E+01
5.0000E-00	1.4420E+01	4.7416E-00	9.0447E-01	1.8656E-00	1.5502E-00	1.2034E-00	9.7578E-01	4.2071E+01
6.0000E-00	1.5230E+01	4.6320E-00	9.0055E-01	2.0948E-00	1.6762E-00	1.2497E-00	9.6009E-01	6.9875E+01
7.0000E-00	1.6070E+01	4.5232E-00	8.9644E-01	2.3444E-00	1.8055E-00	1.2984E-00	9.3987E-01	1.0640E+02
8.0000E-00	1.6930E+01	4.4209E-00	8.9235E-01	2.6123E-00	1.9360E-00	1.3493E-00	9.1547E-01	1.5155E+02
9.0000E-00	1.7830E+01	4.3105E-00	8.8767E-01	2.9058E-00	2.0699E-00	1.4037E-00	8.8657E-01	2.0659E+02
1.0000E+01	1.8760E+01	4.1982E-00	8.8261E-01	3.2229E-00	2.2050E-00	1.4615E-00	8.5384E-01	2.7112E+02
1.1000E+01	1.9710E+01	4.0896E-00	8.7741E-01	3.5609E-00	2.3392E-00	1.5222E-00	8.1822E-01	3.4426E+02
1.2000E+01	2.0680E+01	3.9838E-00	8.7202E-01	3.9204E-00	2.4719E-00	1.5859E-00	7.8035E-01	4.2558E+02
1.3000E+01	2.1680E+01	3.8745E-00	8.6611E-01	4.3057E-00	2.6038E-00	1.6536E-00	7.4049E-01	5.1553E+02
1.4000E+01	2.2700E+01	3.7670E-00	8.5991E-01	4.7138E-00	2.7331E-00	1.7246E-00	6.9970E-01	6.1278E+02
1.5000E+01	2.3740E+01	3.6608E-00	8.5339E-01	5.1448E-00	2.8595E-00	1.7991E-00	6.5857E-01	7.1674E+02
1.6000E+01	2.4810E+01	3.5510E-00	8.4621E-01	5.6035E-00	2.9836E-00	1.8780E-00	6.1727E-01	8.2787E+02
1.7000E+01	2.5890E+01	3.4471E-00	8.3895E-01	6.0815E-00	3.1030E-00	1.9598E-00	5.7704E-01	9.4351E+02
1.8000E+01	2.6990E+01	3.3439E-00	8.3127E-01	6.5832E-00	3.2185E-00	2.0454E-00	5.3790E-01	1.0640E+03
1.9000E+01	2.8110E+01	3.2415E-00	8.2315E-01	7.1085E-00	3.3299E-00	2.1347E-00	5.0014E-01	1.1889E+03
2.0000E+01	2.9250E+01	3.1401E-00	8.1457E-01	7.6576E-00	3.4373E-00	2.2277E-00	4.6402E-01	1.3175E+03
2.1000E+01	3.0410E+01	3.0396E-00	8.0551E-01	8.2301E-00	3.5404E-00	2.3246E-00	4.2971E-01	1.4494E+03
2.2000E+01	3.1590E+01	2.9403E-00	7.9597E-01	8.8260E-00	3.6392E-00	2.4252E-00	3.9732E-01	1.5838E+03
2.3000E+01	3.2790E+01	2.8423E-00	7.8594E-01	9.4449E-00	3.7338E-00	2.5295E-00	3.6691E-01	1.7204E+03
2.4000E+01	3.4010E+01	2.7459E-00	7.7542E-01	1.0086E+01	3.8242E-00	2.6374E-00	3.3851E-01	1.8587E+03
2.5000E+01	3.5240E+01	2.6540E-00	7.6476E-01	1.0744E+01	3.9097E-00	2.7480E-00	3.1230E-01	1.9970E+03
2.6000E+01	3.6500E+01	2.5611E-00	7.5329E-01	1.1428E+01	3.9917E-00	2.8629E-00	2.8781E-01	2.1371E+03
2.7000E+01	3.7780E+01	2.4703E-00	7.4138E-01	1.2133E+01	4.0698E-00	2.9812E-00	2.6520E-01	2.2775E+03
2.8000E+01	3.9090E+01	2.3794E-00	7.2871E-01	1.2862E+01	4.1444E-00	3.1035E-00	2.4423E-01	2.4188E+03
2.9000E+01	4.0420E+01	2.2912E-00	7.1567E-01	1.3610E+01	4.2152E-00	3.2289E-00	2.2500E-01	2.5596E+03
3.0000E+01	4.1790E+01	2.2019E-00	7.0164E-01	1.4387E+01	4.2832E-00	3.3589E-00	2.0714E-01	2.7015E+03
3.1000E+01	4.3180E+01	2.1159E-00	6.8733E-01	1.5178E+01	4.3474E-00	3.4914E-00	1.9085E-01	2.8420E+03
3.2000E+01	4.4610E+01	2.0300E-00	6.7218E-01	1.5996E+01	4.4088E-00	3.6282E-00	1.7582E-01	2.9828E+03
3.3000E+01	4.6090E+01	1.9434E-00	6.5599E-01	1.6842E+01	4.4677E-00	3.7697E-00	1.6192E-01	3.1242E+03
3.4000E+01	4.7620E+01	1.8570E-00	6.3888E-01	1.7715E+01	4.5241E-00	3.9157E-00	1.4910E-01	3.2657E+03
3.5000E+01	4.9200E+01	1.7717E-00	6.2102E-01	1.8612E+01	4.5779E-00	4.0657E-00	1.3734E-01	3.4066E+03
3.6000E+01	5.0870E+01	1.6836E-00	6.0150E-01	1.9553E+01	4.6303E-00	4.2228E-00	1.2635E-01	3.5498E+03
3.7000E+01	5.2630E+01	1.5946E-00	5.8062E-01	2.0531E+01	4.6808E-00	4.3863E-00	1.1616E-01	3.6941E+03
3.8000E+01	5.4520E+01	1.5027E-00	5.5778E-01	2.1564E+01	4.7302E-00	4.5588E-00	1.0659E-01	3.8416E+03
3.9000E+01	5.6610E+01	1.4048E-00	5.3198E-01	2.2679E+01	4.7796E-00	4.7450E-00	9.7452E-02	3.9955E+03
4.0000E+01	5.9040E+01	1.2956E-00	5.0135E-01	2.3932E+01	4.8306E-00	4.9541E-00	8.8426E-02	4.1623E+03
4.1000E+01	6.2230E+01	1.1600E-00	4.6052E-01	2.5490E+01	4.8885E-00	5.2143E-00	7.8736E-02	4.3614E+03
4.1590E+01	6.6699E+01	9.8315E-01	4.0249E-01	2.7477E+01	4.9545E-00	5.5459E-00	6.8402E-02	4.6029E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 5.4$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{R}$
0.0000E-99	1.0672E+01	5.4000E-00	9.2391E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	0.0000E-99
1.0000E-00	1.1310E+01	5.2816E-00	9.2087E-01	1.1418E-00	1.0992E-00	1.0386E-00	9.9976E-01	4.0767E-01
2.0000E-00	1.1990E+01	5.1604E-00	9.1756E-01	1.3015E-00	1.2064E-00	1.0787E-00	9.9813E-01	3.1987E-00
3.0000E-00	1.2700E+01	5.0463E-00	9.1426E-01	1.4776E-00	1.3193E-00	1.1199E-00	9.9396E-01	1.0381E+01
4.0000E-00	1.3440E+01	4.9372E-00	9.1093E-01	1.6711E-00	1.4374E-00	1.1625E-00	9.8636E-01	2.3562E+01
5.0000E-00	1.4220E+01	4.8234E-00	9.0725E-01	1.8861E-00	1.5618E-00	1.2076E-00	9.7451E-01	4.4306E+01
6.0000E-00	1.5030E+01	4.7119E-00	9.0343E-01	2.1211E-00	1.6902E-00	1.2549E-00	9.5810E-01	7.3438E+01
7.0000E-00	1.5870E+01	4.6014E-00	8.9942E-01	2.3772E-00	1.8220E-00	1.3047E-00	9.3701E-01	1.1163E+02
8.0000E-00	1.6740E+01	4.4906E-00	8.9516E-01	2.6556E-00	1.9564E-00	1.3574E-00	9.1132E-01	1.5934E+02
9.0000E-00	1.7640E+01	4.3785E-00	8.9058E-01	2.9574E-00	2.0926E-00	1.4132E-00	8.8132E-01	2.1677E+02
1.0000E+01	1.8570E+01	4.2646E-00	8.8564E-01	3.2836E-00	2.2299E-00	1.4725E-00	8.4748E-01	2.8397E+02
1.1000E+01	1.9520E+01	4.1545E-00	8.8056E-01	3.6315E-00	2.3661E-00	1.5348E-00	8.1075E-01	3.5999E+02
1.2000E+01	2.0500E+01	4.0413E-00	8.7499E-01	4.0057E-00	2.5020E-00	1.6010E-00	7.7144E-01	4.4528E+02
1.3000E+01	2.1500E+01	3.9304E-00	8.6918E-01	4.4030E-00	2.6355E-00	1.6705E-00	7.3063E-01	5.3856E+02
1.4000E+01	2.2520E+01	3.8213E-00	8.6309E-01	4.8238E-00	2.7664E-00	1.7437E-00	6.8899E-01	6.3923E+02
1.5000E+01	2.3570E+01	3.7084E-00	8.5637E-01	5.2729E-00	2.8952E-00	1.8212E-00	6.4677E-01	7.4776E+02
1.6000E+01	2.4640E+01	3.5970E-00	8.4927E-01	5.7466E-00	3.0204E-00	1.9025E-00	6.0492E-01	8.6254E+02
1.7000E+01	2.5720E+01	3.4914E-00	8.4210E-01	6.2404E-00	3.1406E-00	1.9870E-00	5.6431E-01	9.8180E+02
1.8000E+01	2.6820E+01	3.3866E-00	8.3451E-01	6.7588E-00	3.2568E-00	2.0753E-00	5.2491E-01	1.1059E+03
1.9000E+01	2.7950E+01	3.2784E-00	8.2614E-01	7.3068E-00	3.3697E-00	2.1683E-00	4.8671E-01	1.2356E+03
2.0000E+01	2.9090E+01	3.1754E-00	8.1762E-01	7.8747E-00	3.4774E-00	2.2645E-00	4.5062E-01	1.3678E+03
2.1000E+01	3.0250E+01	3.0734E-00	8.0863E-01	8.4672E-00	3.5807E-00	2.3646E-00	4.1643E-01	1.5032E+03
2.2000E+01	3.1430E+01	2.9725E-00	7.9913E-01	9.0839E-00	3.6796E-00	2.4687E-00	3.8427E-01	1.6411E+03
2.3000E+01	3.2630E+01	2.8729E-00	7.8914E-01	9.7246E-00	3.7741E-00	2.5766E-00	3.5416E-01	1.7812E+03
2.4000E+01	3.3850E+01	2.7749E-00	7.7865E-01	1.0388E+01	3.8643E-00	2.6883E-00	3.2611E-01	1.9227E+03
2.5000E+01	3.5080E+01	2.6815E-00	7.6801E-01	1.1070E+01	3.9496E-00	2.8028E-00	3.0030E-01	2.0642E+03
2.6000E+01	3.6340E+01	2.5869E-00	7.5655E-01	1.1779E+01	4.0314E-00	2.9218E-00	2.7625E-01	2.2075E+03
2.7000E+01	3.7620E+01	2.4945E-00	7.4463E-01	1.2509E+01	4.1091E-00	3.0443E-00	2.5409E-01	2.3509E+03
2.8000E+01	3.8930E+01	2.4021E-00	7.3195E-01	1.3266E+01	4.1833E-00	3.1711E-00	2.3359E-01	2.4953E+03
2.9000E+01	4.0260E+01	2.3124E-00	7.1887E-01	1.4041E+01	4.2536E-00	3.3011E-00	2.1483E-01	2.6389E+03
3.0000E+01	4.1620E+01	2.2236E-00	7.0512E-01	1.4841E+01	4.3206E-00	3.4349E-00	1.9759E-01	2.7826E+03
3.1000E+01	4.3010E+01	2.1360E-00	6.9075E-01	1.5662E+01	4.3843E-00	3.5724E-00	1.8175E-01	2.9259E+03
3.2000E+01	4.4440E+01	2.0486E-00	6.7552E-01	1.6510E+01	4.4451E-00	3.7143E-00	1.6718E-01	3.0693E+03
3.3000E+01	4.5910E+01	1.9619E-00	6.5953E-01	1.7383E+01	4.5032E-00	3.8602E-00	1.5380E-01	3.2124E+03
3.4000E+01	4.7430E+01	1.8753E-00	6.4260E-01	1.8284E+01	4.5587E-00	4.0108E-00	1.4149E-01	3.3555E+03
3.5000E+01	4.9010E+01	1.7883E-00	6.2459E-01	1.9216E+01	4.6120E-00	4.1666E-00	1.3014E-01	3.4990E+03
3.6000E+01	5.0660E+01	1.7009E-00	6.0542E-01	2.0182E+01	4.6632E-00	4.3279E-00	1.1966E-01	3.6431E+03
3.7000E+01	5.2410E+01	1.6111E-00	5.8458E-01	2.1194E+01	4.7129E-00	4.4970E-00	1.0989E-01	3.7892E+03
3.8000E+01	5.4280E+01	1.5191E-00	5.6195E-01	2.2257E+01	4.7613E-00	4.6746E-00	1.0078E-01	3.9379E+03
3.9000E+01	5.6340E+01	1.4214E-00	5.3646E-01	2.3402E+01	4.8096E-00	4.8657E-00	9.2097E-02	4.0925E+03
4.0000E+01	5.8700E+01	1.3143E-00	5.0674E-01	2.4671E+01	4.8588E-00	5.0776E-00	8.3635E-02	4.2578E+03
4.1000E+01	6.1720E+01	1.1842E-00	4.6801E-01	2.6217E+01	4.9136E-00	5.3355E-00	7.4722E-02	4.4512E+03
4.1731E+01	6.6734E+01	9.8374E-01	4.0269E-01	2.8545E+01	4.9868E-00	5.7241E-00	6.3613E-02	4.7274E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 5.5$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{\frac{R}{\sec^2 - O_R}}$
.0000E-99	1.0476E+01	5.5000E-00	9.2635E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.1110E+01	5.3811E-00	9.2344E-01	1.1437E-00	1.1006E-00	1.0391E-00	9.9975E-01	4.2328E-01
2.0000E-00	1.1790E+01	5.2562E-00	9.2019E-01	1.3067E-00	1.2098E-00	1.0800E-00	9.9805E-01	3.3456E-00
3.0000E-00	1.2500E+01	5.1390E-00	9.1695E-01	1.4866E-00	1.3249E-00	1.1219E-00	9.9368E-01	1.0873E+01
4.0000E-00	1.3240E+01	5.0274E-00	9.1370E-01	1.6845E-00	1.4454E-00	1.1654E-00	9.8572E-01	2.4673E+01
5.0000E-00	1.4020E+01	4.9112E-00	9.1011E-01	1.9046E-00	1.5722E-00	1.2114E-00	9.7334E-01	4.6362E+01
6.0000E-00	1.4840E+01	4.7898E-00	9.0612E-01	2.1483E-00	1.7046E-00	1.2602E-00	9.5600E-01	7.7202E+01
7.0000E-00	1.5680E+01	4.6776E-00	9.0221E-01	2.4111E-00	1.8388E-00	1.3112E-00	9.3402E-01	1.1712E+02
8.0000E-00	1.6550E+01	4.5652E-00	8.9805E-01	2.6969E-00	1.9755E-00	1.3651E-00	9.0733E-01	1.6687E+02
9.0000E-00	1.7460E+01	4.4446E-00	8.9331E-01	3.0104E-00	2.1156E-00	1.4229E-00	8.7590E-01	2.2737E+02
1.0000E+01	1.8390E+01	4.3292E-00	8.8848E-01	3.3459E-00	2.2550E-00	1.4837E-00	8.4092E-01	2.9729E+02
1.1000E+01	1.9340E+01	4.2176E-00	8.8351E-01	3.7039E-00	2.3932E-00	1.5476E-00	8.0311E-01	3.7625E+02
1.2000E+01	2.0320E+01	4.1027E-00	8.7805E-01	4.0892E-00	2.5309E-00	1.6156E-00	7.6276E-01	4.6469E+02
1.3000E+01	2.1330E+01	3.9844E-00	8.7205E-01	4.5026E-00	2.6675E-00	1.6879E-00	7.2061E-01	5.6225E+02
1.4000E+01	2.2350E+01	3.8738E-00	8.6607E-01	4.9365E-00	2.7997E-00	1.7632E-00	6.7818E-01	6.6639E+02
1.5000E+01	2.3400E+01	3.7592E-00	8.5945E-01	5.3997E-00	2.9297E-00	1.8430E-00	6.3529E-01	7.7848E+02
1.6000E+01	2.4470E+01	3.6460E-00	8.5245E-01	5.8885E-00	3.0559E-00	1.9268E-00	5.9294E-01	8.9687E+02
1.7000E+01	2.5560E+01	3.5340E-00	8.4505E-01	6.4030E-00	3.1781E-00	2.0147E-00	5.5160E-01	1.0208E+03
1.8000E+01	2.6660E+01	3.4277E-00	8.3754E-01	6.9385E-00	3.2949E-00	2.1058E-00	5.1201E-01	1.1487E+03
1.9000E+01	2.7790E+01	3.3177E-00	8.2924E-01	7.5047E-00	3.4083E-00	2.2018E-00	4.7374E-01	1.2819E+03
2.0000E+01	2.8930E+01	3.2131E-00	8.2080E-01	8.0917E-00	3.5162E-00	2.3012E-00	4.3770E-01	1.4177E+03
2.1000E+01	3.0100E+01	3.1055E-00	8.1152E-01	8.7096E-00	3.6206E-00	2.4055E-00	4.0339E-01	1.5578E+03
2.2000E+01	3.1280E+01	3.0031E-00	8.0208E-01	9.3476E-00	3.7195E-00	2.5131E-00	3.7149E-01	1.6992E+03
2.3000E+01	3.2480E+01	2.9020E-00	7.9213E-01	1.0010E+01	3.8139E-00	2.6247E-00	3.4171E-01	1.8426E+03
2.4000E+01	3.3690E+01	2.8056E-00	7.8201E-01	1.0692E+01	3.9032E-00	2.7393E-00	3.1427E-01	1.9862E+03
2.5000E+01	3.4930E+01	2.7075E-00	7.7104E-01	1.1403E+01	3.9889E-00	2.8587E-00	2.8866E-01	2.1320E+03
2.6000E+01	3.6190E+01	2.6115E-00	7.5959E-01	1.2137E+01	4.0703E-00	2.9820E-00	2.6506E-01	2.2784E+03
2.7000E+01	3.7470E+01	2.5176E-00	7.4768E-01	1.2894E+01	4.1475E-00	3.1088E-00	2.4338E-01	2.4248E+03
2.8000E+01	3.8780E+01	2.4237E-00	7.3498E-01	1.3677E+01	4.2213E-00	3.2401E-00	2.2337E-01	2.5721E+03
2.9000E+01	4.0110E+01	2.3325E-00	7.2188E-01	1.4481E+01	4.2911E-00	3.3747E-00	2.0509E-01	2.7186E+03
3.0000E+01	4.1460E+01	2.2443E-00	7.0841E-01	1.5304E+01	4.3571E-00	3.5124E-00	1.8844E-01	2.8639E+03
3.1000E+01	4.2850E+01	2.1553E-00	6.9398E-01	1.6156E+01	4.4203E-00	3.6549E-00	1.7307E-01	3.0098E+03
3.2000E+01	4.4280E+01	2.0663E-00	6.7868E-01	1.7035E+01	4.4806E-00	3.8020E-00	1.5895E-01	3.1559E+03
3.3000E+01	4.5740E+01	1.9798E-00	6.6291E-01	1.7934E+01	4.5377E-00	3.9524E-00	1.4610E-01	3.3005E+03
3.4000E+01	4.7260E+01	1.8916E-00	6.4586E-01	1.8869E+01	4.5926E-00	4.1086E-00	1.3421E-01	3.4462E+03
3.5000E+01	4.8830E+01	1.8044E-00	6.2800E-01	1.9831E+01	4.6450E-00	4.2693E-00	1.2333E-01	3.5913E+03
3.6000E+01	5.0470E+01	1.7166E-00	6.0895E-01	2.0828E+01	4.6953E-00	4.4358E-00	1.1330E-01	3.7369E+03
3.7000E+01	5.2210E+01	1.6262E-00	5.8816E-01	2.1873E+01	4.7443E-00	4.6104E-00	1.0394E-01	3.8847E+03
3.8000E+01	5.4060E+01	1.5343E-00	5.6577E-01	2.2967E+01	4.7917E-00	4.7930E-00	9.5270E-02	4.0343E+03
3.9000E+01	5.6090E+01	1.4370E-00	5.4064E-01	2.4140E+01	4.8387E-00	4.9890E-00	8.7035E-02	4.1895E+03
4.0000E+01	5.8400E+01	1.3311E-00	5.1152E-01	2.5435E+01	4.8866E-00	5.2051E-00	7.9055E-02	4.3545E+03
4.1000E+01	6.1290E+01	1.2050E-00	4.7440E-01	2.6981E+01	4.9387E-00	5.4631E-00	7.0798E-02	4.5438E+03
4.1865E+01	6.6767E+01	9.8432E-01	4.0289E-01	2.9633E+01	5.0177E-00	5.9056E-00	5.9202E-02	4.8507E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 5.6$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S}{ft^2}$ sec ² -°R
.0000E-99	1.0287E+01	5.6000E-00	9.2869E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.0930E+01	5.4677E-00	9.2559E-01	1.1486E-00	1.1039E-00	1.0404E-00	9.9972E-01	4.6548E-01
2.0000E-00	1.1600E+01	5.3493E-00	9.2263E-01	1.3126E-00	1.2137E-00	1.0814E-00	9.9795E-01	3.5172E-00
3.0000E-00	1.2310E+01	5.2292E-00	9.1946E-01	1.4963E-00	1.3310E-00	1.1241E-00	9.9336E-01	1.1419E+01
4.0000E-00	1.3060E+01	5.1064E-00	9.1602E-01	1.7015E-00	1.4554E-00	1.1690E-00	9.8489E-01	2.6119E+01
5.0000E-00	1.3840E+01	4.9884E-00	9.1251E-01	1.9269E-00	1.5846E-00	1.2159E-00	9.7190E-01	4.8901E+01
6.0000E-00	1.4650E+01	4.8732E-00	9.0888E-01	2.1736E-00	1.7179E-00	1.2652E-00	9.5402E-01	8.0755E+01
7.0000E-00	1.5500E+01	4.7514E-00	9.0481E-01	2.4462E-00	1.8561E-00	1.3179E-00	9.3088E-01	1.2290E+02
8.0000E-00	1.6380E+01	4.6300E-00	9.0048E-01	2.7429E-00	1.9967E-00	1.3736E-00	9.0282E-01	1.7541E+02
9.0000E-00	1.7280E+01	4.5152E-00	8.9613E-01	3.0615E-00	2.1375E-00	1.4322E-00	8.7064E-01	2.3771E+02
1.0000E+01	1.8210E+01	4.3982E-00	8.9141E-01	3.4062E-00	2.2790E-00	1.4945E-00	8.3456E-01	3.1033E+02
1.1000E+01	1.9170E+01	4.2785E-00	8.8626E-01	3.7784E-00	2.4206E-00	1.5608E-00	7.9526E-01	3.9310E+02
1.2000E+01	2.0160E+01	4.1558E-00	8.8061E-01	4.1790E-00	2.5615E-00	1.6314E-00	7.5348E-01	4.8570E+02
1.3000E+01	2.1160E+01	4.0420E-00	8.7502E-01	4.6006E-00	2.6983E-00	1.7050E-00	7.1084E-01	5.8566E+02
1.4000E+01	2.2190E+01	3.9241E-00	8.6884E-01	5.0521E-00	2.8331E-00	1.7831E-00	6.6723E-01	6.9431E+02
1.5000E+01	2.3240E+01	3.8079E-00	8.6231E-01	5.5297E-00	2.9643E-00	1.8654E-00	6.2373E-01	8.0999E+02
1.6000E+01	2.4310E+01	3.6930E-00	8.5541E-01	6.0338E-00	3.0915E-00	1.9517E-00	5.8093E-01	9.3200E+02
1.7000E+01	2.5400E+01	3.5793E-00	8.4810E-01	6.5647E-00	3.2144E-00	2.0422E-00	5.3928E-01	1.0596E+03
1.8000E+01	2.6510E+01	3.4667E-00	8.4035E-01	7.1225E-00	3.3328E-00	2.1370E-00	4.9918E-01	1.1922E+03
1.9000E+01	2.7640E+01	3.3551E-00	8.3213E-01	7.7074E-00	3.4466E-00	2.2362E-00	4.6090E-01	1.3291E+03
2.0000E+01	2.8790E+01	3.2448E-00	8.2341E-01	8.3192E-00	3.5557E-00	2.3396E-00	4.2466E-01	1.4696E+03
2.1000E+01	2.9950E+01	3.1396E-00	8.1453E-01	8.9523E-00	3.6592E-00	2.4465E-00	3.9085E-01	1.6120E+03
2.2000E+01	3.1130E+01	3.0356E-00	8.0514E-01	9.6118E-00	3.7581E-00	2.5576E-00	3.5923E-01	1.7568E+03
2.3000E+01	3.2330E+01	2.9328E-00	7.9523E-01	1.0297E+01	3.8524E-00	2.6729E-00	3.2980E-01	1.9034E+03
2.4000E+01	3.3550E+01	2.8316E-00	7.8480E-01	1.1008E+01	3.9421E-00	2.7924E-00	3.0253E-01	2.0515E+03
2.5000E+01	3.4790E+01	2.7321E-00	7.7386E-01	1.1744E+01	4.0275E-00	2.9159E-00	2.7738E-01	2.2005E+03
2.6000E+01	3.6050E+01	2.6346E-00	7.6242E-01	1.2504E+01	4.1085E-00	3.0434E-00	2.5425E-01	2.3499E+03
2.7000E+01	3.7330E+01	2.5393E-00	7.5050E-01	1.3287E+01	4.1853E-00	3.1747E-00	2.3305E-01	2.4992E+03
2.8000E+01	3.8630E+01	2.4464E-00	7.3813E-01	1.4092E+01	4.2580E-00	3.3096E-00	2.1368E-01	2.6482E+03
2.9000E+01	3.9960E+01	2.3538E-00	7.2500E-01	1.4924E+01	4.3273E-00	3.4489E-00	1.9588E-01	2.7974E+03
3.0000E+01	4.1320E+01	2.2620E-00	7.1117E-01	1.5783E+01	4.3932E-00	3.5926E-00	1.7958E-01	2.9465E+03
3.1000E+01	4.2700E+01	2.1736E-00	6.9702E-01	1.6659E+01	4.4554E-00	3.7391E-00	1.6479E-01	3.0940E+03
3.2000E+01	4.4120E+01	2.0849E-00	6.8196E-01	1.7564E+01	4.5147E-00	3.8905E-00	1.5121E-01	3.2415E+03
3.3000E+01	4.5590E+01	1.9953E-00	6.6580E-01	1.8503E+01	4.5716E-00	4.0474E-00	1.3871E-01	3.3896E+03
3.4000E+01	4.7100E+01	1.9072E-00	6.4895E-01	1.9466E+01	4.6256E-00	4.2083E-00	1.2731E-01	3.5368E+03
3.5000E+01	4.8660E+01	1.8200E-00	6.3126E-01	2.0457E+01	4.6771E-00	4.3739E-00	1.1689E-01	3.6833E+03
3.6000E+01	5.0290E+01	1.7318E-00	6.1233E-01	2.1485E+01	4.7266E-00	4.5456E-00	1.0728E-01	3.8304E+03
3.7000E+01	5.2010E+01	1.6419E-00	5.9187E-01	2.2558E+01	4.7744E-00	4.7248E-00	9.8391E-02	3.9790E+03
3.8000E+01	5.3850E+01	1.5491E-00	5.6949E-01	2.3688E+01	4.8210E-00	4.9135E-00	9.0088E-02	4.1303E+03
3.9000E+01	5.5850E+01	1.4525E-00	5.4475E-01	2.4890E+01	4.8669E-00	5.1141E-00	8.2284E-02	4.2858E+03
4.0000E+01	5.8120E+01	1.3471E-00	5.1604E-01	2.6214E+01	4.9135E-00	5.3352E-00	7.4733E-02	4.4509E+03
4.1000E+01	6.0900E+01	1.2244E-00	4.8030E-01	2.7766E+01	4.9634E-00	5.5941E-00	6.7057E-02	4.6369E+03
4.1992E+01	6.6799E+01	9.8484E-01	4.0307E-01	3.0741E+01	5.0474E-00	6.0906E-00	5.5134E-02	4.9729E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 5.7$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{sec^2 \cdot ^\circ R}$
.0000E-99	1.0104E+01	5.7000E-00	9.3093E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.0740E+01	5.5713E-00	9.2804E-01	1.1496E-00	1.1046E-00	1.0407E-00	9.9972E-01	4.7389E-01
2.0000E-00	1.1420E+01	5.4391E-00	9.2489E-01	1.3193E-00	1.2181E-00	1.0830E-00	9.9783E-01	3.7198E-00
3.0000E-00	1.2130E+01	5.3163E-00	9.2178E-01	1.5070E-00	1.3376E-00	1.1265E-00	9.9301E-01	1.2031E+01
4.0000E-00	1.2880E+01	5.1910E-00	9.1841E-01	1.7167E-00	1.4644E-00	1.1723E-00	9.8413E-01	2.7449E+01
5.0000E-00	1.3660E+01	5.0710E-00	9.1499E-01	1.9473E-00	1.5960E-00	1.2201E-00	9.7055E-01	5.1283E+01
6.0000E-00	1.4480E+01	4.9456E-00	9.1119E-01	2.2031E-00	1.7333E-00	1.2710E-00	9.5167E-01	8.5002E+01
7.0000E-00	1.5320E+01	4.8303E-00	9.0748E-01	2.4793E-00	1.8723E-00	1.3242E-00	9.2787E-01	1.2845E+02
8.0000E-00	1.6200E+01	4.7072E-00	9.0326E-01	2.7837E-00	2.0153E-00	1.3812E-00	8.9980E-01	1.8306E+02
9.0000E-00	1.7110E+01	4.5832E-00	8.9874E-01	3.1143E-00	2.1598E-00	1.4418E-00	8.6517E-01	2.4852E+02
1.0000E+01	1.8050E+01	4.4577E-00	8.9384E-01	3.4724E-00	2.3050E-00	1.5064E-00	8.2757E-01	3.2475E+02
1.1000E+01	1.9010E+01	4.3366E-00	8.8880E-01	3.8551E-00	2.4485E-00	1.5744E-00	7.8719E-01	4.1059E+02
1.2000E+01	2.0000E+01	4.2124E-00	8.8327E-01	4.2673E-00	2.5911E-00	1.6469E-00	7.4442E-01	5.0647E+02
1.3000E+01	2.1010E+01	4.0910E-00	8.7748E-01	4.7058E-00	2.7307E-00	1.7232E-00	7.0048E-01	6.1086E+02
1.4000E+01	2.2040E+01	3.9718E-00	8.7139E-01	5.1709E-00	2.8668E-00	1.8036E-00	6.5615E-01	7.2305E+02
1.5000E+01	2.3090E+01	3.8541E-00	8.6496E-01	5.6632E-00	2.9991E-00	1.8883E-00	6.1209E-01	8.4233E+02
1.6000E+01	2.4160E+01	3.7377E-00	8.5816E-01	6.1830E-00	3.1271E-00	1.9772E-00	5.6887E-01	9.6797E+02
1.7000E+01	2.5260E+01	3.6174E-00	8.5061E-01	6.7356E-00	3.2518E-00	2.0713E-00	5.2660E-01	1.1004E+03
1.8000E+01	2.6370E+01	3.5034E-00	8.4293E-01	7.3113E-00	3.3706E-00	2.1691E-00	4.8641E-01	1.2366E+03
1.9000E+01	2.7500E+01	3.3903E-00	8.3478E-01	7.9151E-00	3.4847E-00	2.2713E-00	4.4818E-01	1.3771E+03
2.0000E+01	2.8640E+01	3.2826E-00	8.2647E-01	8.5413E-00	3.5930E-00	2.3771E-00	4.1239E-01	1.5199E+03
2.1000E+01	2.9810E+01	3.1718E-00	8.1731E-01	9.2009E-00	3.6975E-00	2.4884E-00	3.7853E-01	1.6670E+03
2.2000E+01	3.0990E+01	3.0662E-00	8.0797E-01	9.8823E-00	3.7962E-00	2.6031E-00	3.4722E-01	1.8151E+03
2.3000E+01	3.2190E+01	2.9619E-00	7.9810E-01	1.0590E+01	3.8903E-00	2.7222E-00	3.1816E-01	1.9651E+03
2.4000E+01	3.3410E+01	2.8591E-00	7.8770E-01	1.1325E+01	3.9798E-00	2.8457E-00	2.9132E-01	2.1163E+03
2.5000E+01	3.4650E+01	2.7580E-00	7.7678E-01	1.2086E+01	4.0648E-00	2.9734E-00	2.6662E-01	2.2683E+03
2.6000E+01	3.5910E+01	2.6590E-00	7.6535E-01	1.2872E+01	4.1454E-00	3.1052E-00	2.4397E-01	2.4207E+03
2.7000E+01	3.7190E+01	2.5622E-00	7.5344E-01	1.3682E+01	4.2217E-00	3.2409E-00	2.2325E-01	2.5730E+03
2.8000E+01	3.8490E+01	2.4679E-00	7.4105E-01	1.4516E+01	4.2940E-00	3.3805E-00	2.0436E-01	2.7247E+03
2.9000E+01	3.9820E+01	2.3738E-00	7.2791E-01	1.5377E+01	4.3627E-00	3.5247E-00	1.8704E-01	2.8767E+03
3.0000E+01	4.1170E+01	2.2827E-00	7.1437E-01	1.6259E+01	4.4276E-00	3.6722E-00	1.7132E-01	3.0273E+03
3.1000E+01	4.2560E+01	2.1908E-00	6.9984E-01	1.7173E+01	4.4896E-00	3.8251E-00	1.5689E-01	3.1783E+03
3.2000E+01	4.3980E+01	2.1008E-00	6.8473E-01	1.8111E+01	4.5483E-00	3.9818E-00	1.4375E-01	3.3283E+03
3.3000E+01	4.5440E+01	2.0115E-00	6.6880E-01	1.9076E+01	4.6042E-00	4.1432E-00	1.3176E-01	3.4778E+03
3.4000E+01	4.6940E+01	1.9236E-00	6.5215E-01	2.0068E+01	4.6573E-00	4.3089E-00	1.2084E-01	3.6263E+03
3.5000E+01	4.8500E+01	1.8348E-00	6.3434E-01	2.1095E+01	4.7082E-00	4.4805E-00	1.1079E-01	3.7752E+03
3.6000E+01	5.0130E+01	1.7452E-00	6.1527E-01	2.2161E+01	4.7571E-00	4.6585E-00	1.0155E-01	3.9246E+03
3.7000E+01	5.1830E+01	1.6561E-00	5.9518E-01	2.3261E+01	4.8038E-00	4.8422E-00	9.3105E-02	4.0738E+03
3.8000E+01	5.3660E+01	1.5627E-00	5.7283E-01	2.4428E+01	4.8497E-00	5.0370E-00	8.5170E-02	4.2266E+03
3.9000E+01	5.5640E+01	1.4660E-00	5.4829E-01	2.5664E+01	4.8946E-00	5.2433E-00	7.7751E-02	4.3830E+03
4.0000E+01	5.7860E+01	1.3623E-00	5.2030E-01	2.7010E+01	4.9397E-00	5.4680E-00	7.0651E-02	4.5473E+03
4.1000E+01	6.0550E+01	1.2423E-00	4.8568E-01	2.8575E+01	4.9877E-00	5.7291E-00	6.3485E-02	4.7309E+03
4.2000E+01	6.4960E+01	1.0586E-00	4.2790E-01	3.0948E+01	5.0527E-00	6.1250E-00	5.4419E-02	4.9953E+03
4.2112E+01	6.6830E+01	9.8530E-01	4.0323E-01	3.1870E+01	5.0757E-00	6.2788E-00	5.1380E-02	5.0939E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 5.8$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{\text{ft}^2/\text{sec}^2 - ^\circ R}$
.0000E-99	9.9280E-00	5.8000E-00	9.3306E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.0570E+01	5.6605E-00	9.3006E-01	1.1539E-00	1.1075E-00	1.0418E-00	9.9970E-01	5.1300E-01
2.0000E-00	1.1240E+01	5.5354E-00	9.2720E-01	1.3244E-00	1.2214E-00	1.0842E-00	9.9774E-01	3.8772E-00
3.0000E-00	1.1950E+01	5.4095E-00	9.2416E-01	1.5159E-00	1.3432E-00	1.1285E-00	9.9270E-01	1.2557E+01
4.0000E-00	1.2700E+01	5.2816E-00	9.2087E-01	1.7302E-00	1.4723E-00	1.1751E-00	9.8344E-01	2.8647E+01
5.0000E-00	1.3490E+01	5.1502E-00	9.1727E-01	1.9690E-00	1.6080E-00	1.2245E-00	9.6909E-01	5.3863E+01
6.0000E-00	1.4310E+01	5.0230E-00	9.1356E-01	2.2309E-00	1.7477E-00	1.2764E-00	9.4941E-01	8.9070E+01
7.0000E-00	1.5160E+01	4.8980E-00	9.0968E-01	2.5174E-00	1.8907E-00	1.3314E-00	9.2437E-01	1.3493E+02
8.0000E-00	1.6040E+01	4.7735E-00	9.0557E-01	2.8296E-00	2.0360E-00	1.3897E-00	8.9423E-01	1.9182E+02
9.0000E-00	1.6950E+01	4.6482E-00	9.0115E-01	3.1690E-00	2.1828E-00	1.4518E-00	8.5947E-01	2.5986E+02
1.0000E+01	1.7890E+01	4.5211E-00	8.9636E-01	3.5368E-00	2.3300E-00	1.5179E-00	8.2076E-01	3.3894E+02
1.1000E+01	1.8850E+01	4.3986E-00	8.9143E-01	3.9302E-00	2.4754E-00	1.5877E-00	7.7932E-01	4.2784E+02
1.2000E+01	1.9840E+01	4.2727E-00	8.8600E-01	4.3541E-00	2.6197E-00	1.6620E-00	7.3558E-01	5.2696E+02
1.3000E+01	2.0860E+01	4.1433E-00	8.8002E-01	4.8097E-00	2.7621E-00	1.7412E-00	6.9036E-01	6.3583E+02
1.4000E+01	2.1890E+01	4.0225E-00	8.7403E-01	5.2886E-00	2.8995E-00	1.8239E-00	6.4534E-01	7.5154E+02
1.5000E+01	2.2950E+01	3.8976E-00	8.6739E-01	5.8005E-00	3.0340E-00	1.9118E-00	6.0034E-01	8.7559E+02
1.6000E+01	2.4020E+01	3.7798E-00	8.6067E-01	6.3362E-00	3.1628E-00	2.0033E-00	5.5678E-01	1.0048E+03
1.7000E+01	2.5120E+01	3.6579E-00	8.5321E-01	6.9061E-00	3.2881E-00	2.1003E-00	5.1431E-01	1.1410E+03
1.8000E+01	2.6230E+01	3.5423E-00	8.4561E-01	7.4998E-00	3.4073E-00	2.2010E-00	4.7406E-01	1.2808E+03
1.9000E+01	2.7360E+01	3.4276E-00	8.3754E-01	8.1227E-00	3.5217E-00	2.3064E-00	4.3590E-01	1.4248E+03
2.0000E+01	2.8510E+01	3.3141E-00	8.2895E-01	8.7748E-00	3.6311E-00	2.4165E-00	3.9998E-01	1.5724E+03
2.1000E+01	2.9670E+01	3.2058E-00	8.2019E-01	9.4499E-00	3.7346E-00	2.5303E-00	3.6668E-01	1.7215E+03
2.2000E+01	3.0860E+01	3.0947E-00	8.1056E-01	1.0159E+01	3.8340E-00	2.6497E-00	3.3545E-01	1.8743E+03
2.3000E+01	3.2060E+01	2.9890E-00	8.0073E-01	1.0891E+01	3.9279E-00	2.7727E-00	3.0681E-01	2.0274E+03
2.4000E+01	3.3280E+01	2.8847E-00	7.9036E-01	1.1650E+01	4.0170E-00	2.9003E-00	2.8041E-01	2.1818E+03
2.5000E+01	3.4520E+01	2.7823E-00	7.7946E-01	1.2437E+01	4.1016E-00	3.0322E-00	2.5618E-01	2.3369E+03
2.6000E+01	3.5780E+01	2.6818E-00	7.6805E-01	1.3249E+01	4.1817E-00	3.1684E-00	2.3402E-01	2.4922E+03
2.7000E+01	3.7060E+01	2.5836E-00	7.5613E-01	1.4087E+01	4.2576E-00	3.3087E-00	2.1380E-01	2.6472E+03
2.8000E+01	3.8360E+01	2.4879E-00	7.4375E-01	1.4949E+01	4.3292E-00	3.4530E-00	1.9539E-01	2.8017E+03
2.9000E+01	3.9690E+01	2.3924E-00	7.3058E-01	1.5840E+01	4.3974E-00	3.6021E-00	1.7856E-01	2.9563E+03
3.0000E+01	4.1040E+01	2.3001E-00	7.1701E-01	1.6752E+01	4.4617E-00	3.7547E-00	1.6332E-01	3.1094E+03
3.1000E+01	4.2420E+01	2.2089E-00	7.0277E-01	1.7691E+01	4.5226E-00	3.9117E-00	1.4943E-01	3.2619E+03
3.2000E+01	4.3840E+01	2.1175E-00	6.8760E-01	1.8662E+01	4.5808E-00	4.0740E-00	1.3673E-01	3.4142E+03
3.3000E+01	4.5300E+01	2.0268E-00	6.7159E-01	1.9662E+01	4.6361E-00	4.2410E-00	1.2515E-01	3.5661E+03
3.4000E+01	4.6790E+01	1.9391E-00	6.5516E-01	2.0682E+01	4.6882E-00	4.4114E-00	1.1469E-01	3.7159E+03
3.5000E+01	4.8350E+01	1.8489E-00	6.3723E-01	2.1746E+01	4.7385E-00	4.5891E-00	1.0502E-01	3.8670E+03
3.6000E+01	4.9970E+01	1.7591E-00	6.1831E-01	2.2844E+01	4.7865E-00	4.7725E-00	9.6196E-02	4.0177E+03
3.7000E+01	5.1660E+01	1.6698E-00	5.9833E-01	2.3977E+01	4.8324E-00	4.9618E-00	8.8119E-02	4.1682E+03
3.8000E+01	5.3470E+01	1.5767E-00	5.7629E-01	2.5174E+01	4.8772E-00	5.1615E-00	8.0580E-02	4.3217E+03
3.9000E+01	5.5430E+01	1.4800E-00	5.5195E-01	2.6444E+01	4.9212E-00	5.3735E-00	7.3523E-02	4.4790E+03
4.0000E+01	5.7620E+01	1.3766E-00	5.2426E-01	2.7824E+01	4.9652E-00	5.6038E-00	6.6793E-02	4.6437E+03
4.1000E+01	6.0230E+01	1.2591E-00	4.9067E-01	2.9404E+01	5.0114E-00	5.8675E-00	6.0094E-02	4.8251E+03
4.2000E+01	6.4170E+01	1.0924E-00	4.3897E-01	3.1629E+01	5.0698E-00	6.2387E-00	5.2150E-02	5.0684E+03
4.2226E+01	6.6859E+01	9.8576E-01	4.0338E-01	3.3018E+01	5.1029E-00	6.4704E-00	4.7917E-02	5.2136E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 5.9$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{\text{ft}^2}$ $\frac{\text{sec}^2}{\text{R}}$
.0000E-99	9.7580E-00	5.9000E-00	9.3510E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.0400E+01	5.7561E-00	9.3213E-01	1.1567E-00	1.1095E-00	1.0425E-00	9.9968E-01	5.3976E-01
2.0000E-00	1.1070E+01	5.6276E-00	9.2932E-01	1.3305E-00	1.2254E-00	1.0857E-00	9.9763E-01	4.0704E-00
3.0000E-00	1.1780E+01	5.4989E-00	9.2634E-01	1.5259E-00	1.3494E-00	1.1308E-00	9.9235E-01	1.3162E+01
4.0000E-00	1.2530E+01	5.3685E-00	9.2312E-01	1.7448E-00	1.4808E-00	1.1782E-00	9.8268E-01	2.9979E+01
5.0000E-00	1.3320E+01	5.2348E-00	9.1961E-01	1.9889E-00	1.6189E-00	1.2285E-00	9.6773E-01	5.6283E+01
6.0000E-00	1.4140E+01	5.1056E-00	9.1600E-01	2.2569E-00	1.7611E-00	1.2815E-00	9.4728E-01	9.2939E+01
7.0000E-00	1.4990E+01	4.9788E-00	9.1222E-01	2.5502E-00	1.9065E-00	1.3376E-00	9.2132E-01	1.4061E+02
8.0000E-00	1.5880E+01	4.8442E-00	9.0794E-01	2.8739E-00	2.0558E-00	1.3979E-00	8.8979E-01	2.0037E+02
9.0000E-00	1.6790E+01	4.7175E-00	9.0362E-01	3.2220E-00	2.2047E-00	1.4614E-00	8.5393E-01	2.7095E+02
1.0000E+01	1.7730E+01	4.5888E-00	8.9895E-01	3.5996E-00	2.3540E-00	1.5291E-00	8.1413E-01	3.5286E+02
1.1000E+01	1.8700E+01	4.4575E-00	8.9383E-01	4.0079E-00	2.5027E-00	1.6013E-00	7.7121E-01	4.4572E+02
1.2000E+01	1.9700E+01	4.3232E-00	8.8822E-01	4.4481E-00	2.6501E-00	1.6784E-00	7.2607E-01	5.4929E+02
1.3000E+01	2.0710E+01	4.1988E-00	8.8264E-01	4.9122E-00	2.7925E-00	1.7590E-00	6.8050E-01	6.6053E+02
1.4000E+01	2.1750E+01	4.0703E-00	8.7645E-01	5.4098E-00	2.9324E-00	1.8448E-00	6.3439E-01	7.8093E+02
1.5000E+01	2.2810E+01	3.9438E-00	8.6990E-01	5.9370E-00	3.0679E-00	1.9351E-00	5.8890E-01	9.0859E+02
1.6000E+01	2.3880E+01	3.8245E-00	8.6327E-01	6.4888E-00	3.1974E-00	2.0293E-00	5.4502E-01	1.0414E+03
1.7000E+01	2.4980E+01	3.7008E-00	8.5590E-01	7.0759E-00	3.3233E-00	2.1291E-00	5.0239E-01	1.1812E+03
1.8000E+01	2.6100E+01	3.5786E-00	8.4805E-01	7.6936E-00	3.4440E-00	2.2338E-00	4.6176E-01	1.3259E+03
1.9000E+01	2.7230E+01	3.4624E-00	8.4005E-01	8.3359E-00	3.5585E-00	2.3424E-00	4.2372E-01	1.4734E+03
2.0000E+01	2.8380E+01	3.3473E-00	8.3153E-01	9.0086E-00	3.6680E-00	2.4559E-00	3.8802E-01	1.6245E+03
2.1000E+01	2.9550E+01	3.2334E-00	8.2248E-01	9.7113E-00	3.7723E-00	2.5743E-00	3.5475E-01	1.7783E+03
2.2000E+01	3.0730E+01	3.1249E-00	8.1324E-01	1.0437E+01	3.8707E-00	2.6965E-00	3.2417E-01	1.9330E+03
2.3000E+01	3.1940E+01	3.0139E-00	8.0311E-01	1.1199E+01	3.9650E-00	2.8245E-00	2.9571E-01	2.0906E+03
2.4000E+01	3.3160E+01	2.9083E-00	7.9277E-01	1.1983E+01	4.0538E-00	2.9561E-00	2.6979E-01	2.2481E+03
2.5000E+01	3.4400E+01	2.8046E-00	7.8190E-01	1.2796E+01	4.1379E-00	3.0924E-00	2.4606E-01	2.4061E+03
2.6000E+01	3.5650E+01	2.7058E-00	7.7084E-01	1.3628E+01	4.2169E-00	3.2319E-00	2.2456E-01	2.5630E+03
2.7000E+01	3.6930E+01	2.6061E-00	7.5893E-01	1.4494E+01	4.2922E-00	3.3769E-00	2.0482E-01	2.7208E+03
2.8000E+01	3.8240E+01	2.5063E-00	7.4619E-01	1.5392E+01	4.3638E-00	3.5271E-00	1.8677E-01	2.8792E+03
2.9000E+01	3.9560E+01	2.4120E-00	7.3335E-01	1.6306E+01	4.4309E-00	3.6801E-00	1.7054E-01	3.0351E+03
3.0000E+01	4.0910E+01	2.3183E-00	7.1975E-01	1.7250E+01	4.4946E-00	3.8379E-00	1.5575E-01	3.1908E+03
3.1000E+01	4.2290E+01	2.2257E-00	7.0547E-01	1.8221E+01	4.5549E-00	4.0002E-00	1.4231E-01	3.3456E+03
3.2000E+01	4.3710E+01	2.1330E-00	6.9024E-01	1.9225E+01	4.6124E-00	4.1680E-00	1.3004E-01	3.5003E+03
3.3000E+01	4.5160E+01	2.0428E-00	6.7448E-01	2.0252E+01	4.6668E-00	4.3397E-00	1.1895E-01	3.6534E+03
3.4000E+01	4.6660E+01	1.9521E-00	6.5766E-01	2.1315E+01	4.7186E-00	4.5172E-00	1.0880E-01	3.8064E+03
3.5000E+01	4.8200E+01	1.8636E-00	6.4023E-01	2.2402E+01	4.7677E-00	4.6988E-00	9.9618E-02	3.9577E+03
3.6000E+01	4.9810E+01	1.7737E-00	6.2146E-01	2.3532E+01	4.8148E-00	4.8874E-00	9.1174E-02	4.1097E+03
3.7000E+01	5.1510E+01	1.6816E-00	6.0105E-01	2.4713E+01	4.8604E-00	5.0847E-00	8.3371E-02	4.2633E+03
3.8000E+01	5.3300E+01	1.5893E-00	5.7934E-01	2.5940E+01	4.9042E-00	5.2894E-00	7.6217E-02	4.4172E+03
3.9000E+01	5.5240E+01	1.4928E-00	5.5525E-01	2.7243E+01	4.9471E-00	5.5069E-00	6.9515E-02	4.5752E+03
4.0000E+01	5.7400E+01	1.3899E-00	5.2791E-01	2.8656E+01	4.9900E-00	5.7426E-00	6.3142E-02	4.7402E+03
4.1000E+01	5.9950E+01	1.2740E-00	4.9504E-01	3.0261E+01	5.0347E-00	6.0104E-00	5.6847E-02	4.9204E+03
4.2000E+01	6.3580E+01	1.1186E-00	4.4742E-01	3.2404E+01	5.0886E-00	6.3680E-00	4.9726E-02	5.1500E+03
4.335E+01	6.6887E+01	9.8621E-01	4.0354E-01	3.4187E+01	5.1290E-00	6.6653E-00	4.4717E-02	5.3322E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 6.0$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{sec^2 \cdot ^\circ R}$
.0000E-99	9.5940E-00	6.0000E-00	9.3704E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.0230E+01	5.8583E-00	9.3425E-01	1.1580E-00	1.1104E-00	1.0429E-00	9.9967E-01	5.5263E-01
2.0000E-00	1.0910E+01	5.7151E-00	9.3125E-01	1.3378E-00	1.2302E-00	1.0874E-00	9.9749E-01	4.3087E-00
3.0000E-00	1.1620E+01	5.5838E-00	9.2833E-01	1.5372E-00	1.3564E-00	1.1333E-00	9.9195E-01	1.3860E+01
4.0000E-00	1.2370E+01	5.4511E-00	9.2518E-01	1.7607E-00	1.4901E-00	1.1816E-00	9.8182E-01	3.1467E+01
5.0000E-00	1.3160E+01	5.3154E-00	9.2175E-01	2.0103E-00	1.6306E-00	1.2328E-00	9.6624E-01	5.8929E+01
6.0000E-00	1.3980E+01	5.1844E-00	9.1823E-01	2.2845E-00	1.7752E-00	1.2868E-00	9.4497E-01	9.7111E+01
7.0000E-00	1.4840E+01	5.0471E-00	9.1428E-01	2.5884E-00	1.9247E-00	1.3448E-00	9.1773E-01	1.4730E+02
8.0000E-00	1.5730E+01	4.9111E-00	9.1010E-01	2.9202E-00	2.0763E-00	1.4064E-00	8.8511E-01	2.0942E+02
9.0000E-00	1.6640E+01	4.7830E-00	9.0580E-01	3.2772E-00	2.2273E-00	1.4714E-00	8.4813E-01	2.8264E+02
1.0000E+01	1.7590E+01	4.6452E-00	9.0104E-01	3.6690E-00	2.3802E-00	1.5414E-00	8.0679E-01	3.6839E+02
1.1000E+01	1.8560E+01	4.5126E-00	8.9603E-01	4.0885E-00	2.5307E-00	1.6155E-00	7.6284E-01	4.6452E+02
1.2000E+01	1.9550E+01	4.3839E-00	8.9081E-01	4.5363E-00	2.6781E-00	1.6938E-00	7.1724E-01	5.7030E+02
1.3000E+01	2.0570E+01	4.2512E-00	8.8503E-01	5.0181E-00	2.8234E-00	1.7773E-00	6.7043E-01	6.8610E+02
1.4000E+01	2.1610E+01	4.1210E-00	8.7894E-01	5.5300E-00	2.9644E-00	1.8654E-00	6.2371E-01	8.1005E+02
1.5000E+01	2.2670E+01	3.9927E-00	8.7249E-01	6.0724E-00	3.1008E-00	1.9583E-00	5.7778E-01	9.4132E+02
1.6000E+01	2.3750E+01	3.8661E-00	8.6564E-01	6.6459E-00	3.2323E-00	2.0560E-00	5.3321E-01	1.0790E+03
1.7000E+01	2.4850E+01	3.7408E-00	8.5834E-01	7.2507E-00	3.3586E-00	2.1588E-00	4.9047E-01	1.2224E+03
1.8000E+01	2.5970E+01	3.6169E-00	8.5058E-01	7.8971E-00	3.4796E-00	2.2666E-00	4.4987E-01	1.3707E+03
1.9000E+01	2.7130E+01	3.4992E-00	8.4264E-01	8.5492E-00	3.5943E-00	2.3785E-00	4.1196E-01	1.5217E+03
2.0000E+01	2.8260E+01	3.3779E-00	8.3389E-01	9.2487E-00	3.7047E-00	2.4964E-00	3.7621E-01	1.6775E+03
2.1000E+01	2.9420E+01	3.2668E-00	8.2520E-01	9.9673E-00	3.8080E-00	2.6174E-00	3.4356E-01	1.8333E+03
2.2000E+01	3.0610E+01	3.1527E-00	8.1567E-01	1.0722E+01	3.9070E-00	2.7445E-00	3.1310E-01	1.9926E+03
2.3000E+01	3.1820E+01	3.0402E-00	8.0557E-01	1.1509E+01	4.0010E-00	2.8765E-00	2.8510E-01	2.1534E+03
2.4000E+01	3.3040E+01	2.9332E-00	7.9527E-01	1.2315E+01	4.0893E-00	3.0123E-00	2.5965E-01	2.3138E+03
2.5000E+01	3.4280E+01	2.8280E-00	7.8442E-01	1.3157E+01	4.1730E-00	3.1529E-00	2.3640E-01	2.4748E+03
2.6000E+01	3.5540E+01	2.7249E-00	7.7303E-01	1.4024E+01	4.2521E-00	3.2981E-00	2.1524E-01	2.6357E+03
2.7000E+01	3.6820E+01	2.6240E-00	7.6113E-01	1.4918E+01	4.3268E-00	3.4478E-00	1.9601E-01	2.7963E+03
2.8000E+01	3.8120E+01	2.5257E-00	7.4873E-01	1.5838E+01	4.3973E-00	3.6018E-00	1.7859E-01	2.9559E+03
2.9000E+01	3.9440E+01	2.4301E-00	7.3587E-01	1.6783E+01	4.4637E-00	3.7598E-00	1.6284E-01	3.1144E+03
3.0000E+01	4.0790E+01	2.3351E-00	7.2245E-01	1.7758E+01	4.5268E-00	3.9229E-00	1.4851E-01	3.2725E+03
3.1000E+01	4.2170E+01	2.2413E-00	7.0793E-01	1.8762E+01	4.5865E-00	4.0907E-00	1.3551E-01	3.4296E+03
3.2000E+01	4.3580E+01	2.1493E-00	6.9298E-01	1.9792E+01	4.6430E-00	4.2629E-00	1.2374E-01	3.5856E+03
3.3000E+01	4.5030E+01	2.0577E-00	6.7719E-01	2.0855E+01	4.6967E-00	4.4404E-00	1.1304E-01	3.7408E+03
3.4000E+01	4.6520E+01	1.9673E-00	6.6036E-01	2.1947E+01	4.7476E-00	4.6227E-00	1.0333E-01	3.8950E+03
3.5000E+01	4.8070E+01	1.8759E-00	6.4272E-01	2.3079E+01	4.7964E-00	4.8118E-00	9.4436E-02	4.0494E+03
3.6000E+01	4.9670E+01	1.7862E-00	6.2413E-01	2.4241E+01	4.8426E-00	5.0058E-00	8.6375E-02	4.2025E+03
3.7000E+01	5.1350E+01	1.6931E-00	6.0541E-01	2.5450E+01	4.8871E-00	5.2075E-00	7.8970E-02	4.3563E+03
3.8000E+01	5.3140E+01	1.6013E-00	5.8624E-01	2.6700E+01	4.9303E-00	5.4195E-00	7.2104E-02	4.5124E+03
3.9000E+01	5.5060E+01	1.5052E-00	5.6641E-01	2.8057E+01	4.9723E-00	5.6426E-00	6.5742E-02	4.6709E+03
4.0000E+01	5.7190E+01	1.4028E-00	5.4514E-01	2.9501E+01	5.0141E-00	5.8837E-00	5.9712E-02	4.8360E+03
4.1000E+01	5.9680E+01	1.2887E-00	5.2235E-01	3.1127E+01	5.0573E-00	6.1553E-00	5.3802E-02	5.0149E+03
4.2000E+01	6.2310E+01	1.1651E-00	4.9825E-01	3.2824E+01	5.1031E-00	6.5077E-00	4.7281E-02	5.2366E+03
4.2439E+01	6.6914E+01	9.8664E-01	4.0368E-01	3.5375E+01	5.1540E-00	6.8636E-00	4.1760E-02	5.4496E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 6.1$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2}$ sec ² °R
.0000E-99	9.4350E-00	6.1000E-00	9.3891E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	1.0070E+01	5.9555E-00	9.3618E-01	1.1605E-00	1.1121E-00	1.0435E-00	9.9966E-01	5.7699E-01
2.0000E-00	1.0750E+01	5.8084E-00	9.3323E-01	1.3436E-00	1.2339E-00	1.0888E-00	9.9737E-01	4.5044E-00
3.0000E-00	1.1460E+01	5.6743E-00	9.3036E-01	1.5470E-00	1.3624E-00	1.1355E-00	9.9159E-01	1.4479E+01
4.0000E-00	1.2220E+01	5.5287E-00	9.2705E-01	1.7782E-00	1.5002E-00	1.1852E-00	9.8087E-01	3.3136E+01
5.0000E-00	1.3010E+01	5.3912E-00	9.2370E-01	2.0334E-00	1.6432E-00	1.2374E-00	9.6460E-01	6.1838E+01
6.0000E-00	1.3830E+01	5.2588E-00	9.2026E-01	2.3139E-00	1.7901E-00	1.2925E-00	9.4249E-01	1.0163E+02
7.0000E-00	1.4690E+01	5.1198E-00	9.1641E-01	2.6250E-00	1.9420E-00	1.3516E-00	9.1426E-01	1.5381E+02
8.0000E-00	1.5580E+01	4.9823E-00	9.1233E-01	2.9649E-00	2.0958E-00	1.4146E-00	8.8056E-01	2.1826E+02
9.0000E-00	1.6500E+01	4.8444E-00	9.0794E-01	3.3351E-00	2.2507E-00	1.4818E-00	8.4206E-01	2.9498E+02
1.0000E+01	1.7450E+01	4.7052E-00	9.0319E-01	3.7370E-00	2.4054E-00	1.5535E-00	7.9961E-01	3.8373E+02
1.1000E+01	1.8420E+01	4.5712E-00	8.9828E-01	4.1677E-00	2.5577E-00	1.6294E-00	7.5465E-01	4.8304E+02
1.2000E+01	1.9420E+01	4.4338E-00	8.9288E-01	4.6324E-00	2.7082E-00	1.7105E-00	7.0769E-01	5.9328E+02
1.3000E+01	2.0440E+01	4.2998E-00	8.8720E-01	5.1277E-00	2.8547E-00	1.7962E-00	6.6015E-01	7.1261E+02
1.4000E+01	2.1480E+01	4.1681E-00	8.8120E-01	5.6542E-00	2.9967E-00	1.8867E-00	6.1287E-01	8.4015E+02
1.5000E+01	2.2540E+01	4.0384E-00	8.7484E-01	6.2122E-00	3.1340E-00	1.9822E-00	5.6654E-01	9.7502E+02
1.6000E+01	2.3630E+01	3.9043E-00	8.6776E-01	6.8080E-00	3.2673E-00	2.0836E-00	5.2134E-01	1.1176E+03
1.7000E+01	2.4730E+01	3.7777E-00	8.6054E-01	7.4308E-00	3.3940E-00	2.1893E-00	4.7854E-01	1.2647E+03
1.8000E+01	2.5850E+01	3.6523E-00	8.5285E-01	8.0863E-00	3.5153E-00	2.3003E-00	4.3802E-01	1.4165E+03
1.9000E+01	2.6980E+01	3.5331E-00	8.4499E-01	8.7685E-00	3.6301E-00	2.4155E-00	4.0030E-01	1.5710E+03
2.0000E+01	2.8140E+01	3.4102E-00	8.3626E-01	9.4895E-00	3.7404E-00	2.5370E-00	3.6484E-01	1.7302E+03
2.1000E+01	2.9310E+01	3.2934E-00	8.2732E-01	1.0236E+01	3.8443E-00	2.6627E-00	3.3227E-01	1.8906E+03
2.2000E+01	3.0500E+01	3.1779E-00	8.1783E-01	1.1016E+01	3.9431E-00	2.7937E-00	3.0225E-01	2.0531E+03
2.3000E+01	3.1700E+01	3.0679E-00	8.0813E-01	1.1820E+01	4.0359E-00	2.9287E-00	2.7494E-01	2.2156E+03
2.4000E+01	3.2920E+01	2.9594E-00	7.9786E-01	1.2655E+01	4.1238E-00	3.0688E-00	2.4996E-01	2.3791E+03
2.5000E+01	3.4160E+01	2.8527E-00	7.8707E-01	1.3520E+01	4.2070E-00	3.2138E-00	2.2720E-01	2.5429E+03
2.6000E+01	3.5420E+01	2.7480E-00	7.7566E-01	1.4415E+01	4.2855E-00	3.3636E-00	2.0653E-01	2.7066E+03
2.7000E+01	3.6700E+01	2.6457E-00	7.6376E-01	1.5338E+01	4.3597E-00	3.5181E-00	1.8779E-01	2.8698E+03
2.8000E+01	3.8000E+01	2.5460E-00	7.5136E-01	1.6288E+01	4.4296E-00	3.6770E-00	1.7085E-01	3.0320E+03
2.9000E+01	3.9330E+01	2.4465E-00	7.3814E-01	1.7271E+01	4.4959E-00	3.8414E-00	1.5544E-01	3.1942E+03
3.0000E+01	4.0680E+01	2.3503E-00	7.2450E-01	1.8278E+01	4.5583E-00	4.0098E-00	1.4157E-01	3.3546E+03
3.1000E+01	4.2060E+01	2.2554E-00	7.1015E-01	1.9315E+01	4.6174E-00	4.1831E-00	1.2901E-01	3.5140E+03
3.2000E+01	4.3470E+01	2.1623E-00	6.9515E-01	2.0380E+01	4.6732E-00	4.3610E-00	1.1766E-01	3.6721E+03
3.3000E+01	4.4910E+01	2.0714E-00	6.7959E-01	2.1471E+01	4.7259E-00	4.5432E-00	1.0741E-01	3.8284E+03
3.4000E+01	4.6400E+01	1.9799E-00	6.6293E-01	2.2599E+01	4.7762E-00	4.7316E-00	9.8071E-02	3.9846E+03
3.5000E+01	4.7940E+01	1.8888E-00	6.4531E-01	2.3762E+01	4.8240E-00	4.9259E-00	8.9575E-02	4.1401E+03
3.6000E+01	4.9540E+01	1.7978E-00	6.2660E-01	2.4964E+01	4.8696E-00	5.1265E-00	8.1834E-02	4.2952E+03
3.7000E+01	5.1210E+01	1.7068E-00	6.0675E-01	2.6207E+01	4.9133E-00	5.3340E-00	7.4772E-02	4.4501E+03
3.8000E+01	5.2980E+01	1.6137E-00	5.8521E-01	2.7507E+01	4.9554E-00	5.5509E-00	6.8259E-02	4.6064E+03
3.9000E+01	5.4870E+01	1.5170E-00	5.6142E-01	2.8884E+01	4.9966E-00	5.7807E-00	6.2190E-02	4.7662E+03
4.0000E+01	5.6990E+01	1.4154E-00	5.3486E-01	3.0360E+01	5.0374E-00	6.0270E-00	5.6486E-02	4.9313E+03
4.1000E+01	5.9440E+01	1.3020E-00	5.0318E-01	3.2022E+01	5.0794E-00	6.3043E-00	5.0901E-02	5.1100E+03
4.2000E+01	6.2700E+01	1.1594E-00	4.6032E-01	3.4113E+01	5.1274E-00	6.6530E-00	4.4911E-02	5.3248E+03
4.2538E+01	6.6939E+01	9.8707E-01	4.0383E-01	3.6584E+01	5.1730E-00	7.0651E-00	3.9027E-02	5.5658E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 6.2$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{\text{ft}^2}$ $\text{sec}^2 \text{ } ^\circ\text{R}$
.0000E-99	9.2820E-00	6.2000E-00	9.4068E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	9.9200E-00	6.0467E-00	9.3792E-01	1.1642E-00	1.1146E-00	1.0445E-00	9.9964E-01	6.1524E-01
2.0000E-00	1.0590E+01	5.9080E-00	9.3525E-01	1.3480E-00	1.2368E-00	1.0899E-00	9.9727E-01	4.6534E-00
3.0000E-00	1.1310E+01	5.7595E-00	9.3220E-01	1.5582E-00	1.3692E-00	1.1379E-00	9.9117E-01	1.5207E+01
4.0000E-00	1.2060E+01	5.6222E-00	9.2920E-01	1.7910E-00	1.5076E-00	1.1879E-00	9.8016E-01	3.4383E+01
5.0000E-00	1.2860E+01	5.4719E-00	9.2569E-01	2.0549E-00	1.6548E-00	1.2417E-00	9.6305E-01	6.4603E+01
6.0000E-00	1.3680E+01	5.3378E-00	9.2234E-01	2.3416E-00	1.8042E-00	1.2979E-00	9.4011E-01	1.0507E+02
7.0000E-00	1.4540E+01	5.1971E-00	9.1858E-01	2.6599E-00	1.9584E-00	1.3582E-00	9.1090E-01	1.6012E+02
8.0000E-00	1.5440E+01	5.0489E-00	9.1434E-01	3.0119E-00	2.1162E-00	1.4232E-00	8.7574E-01	2.2768E+02
9.0000E-00	1.6360E+01	4.9097E-00	9.1006E-01	3.3914E-00	2.2731E-00	1.4919E-00	8.3613E-01	3.0711E+02
1.0000E+01	1.7310E+01	4.7639E-00	9.0541E-01	3.8036E-00	2.4299E-00	1.5653E-00	7.9260E-01	3.9884E+02
1.1000E+01	1.8290E+01	4.6256E-00	9.0032E-01	4.2501E-00	2.5834E-00	1.6438E-00	7.4618E-01	5.0241E+02
1.2000E+01	1.9290E+01	4.4868E-00	8.9501E-01	4.7275E-00	2.7373E-00	1.7270E-00	6.9836E-01	6.1606E+02
1.3000E+01	2.0310E+01	4.3513E-00	8.8943E-01	5.2363E-00	2.8851E-00	1.8149E-00	6.5012E-01	7.3889E+02
1.4000E+01	2.1360E+01	4.2114E-00	8.8322E-01	5.7827E-00	3.0295E-00	1.9087E-00	6.0185E-01	8.7128E+02
1.5000E+01	2.2420E+01	4.0804E-00	8.7695E-01	6.3567E-00	3.1675E-00	2.0068E-00	5.5518E-01	1.0097E+03
1.6000E+01	2.3510E+01	3.9447E-00	8.6995E-01	6.9697E-00	3.3014E-00	2.1111E-00	5.0981E-01	1.1560E+03
1.7000E+01	2.4610E+01	3.8166E-00	8.6282E-01	7.6107E-00	3.4285E-00	2.2198E-00	4.6698E-01	1.3066E+03
1.8000E+01	2.5730E+01	3.6896E-00	8.5520E-01	8.2845E-00	3.5499E-00	2.3339E-00	4.2656E-01	1.4620E+03
1.9000E+01	2.6870E+01	3.5639E-00	8.4707E-01	8.9944E-00	3.6657E-00	2.4536E-00	3.8873E-01	1.6213E+03
2.0000E+01	2.8030E+01	3.4396E-00	8.3840E-01	9.7372E-00	3.7759E-00	2.5787E-00	3.5360E-01	1.7839E+03
2.1000E+01	2.9200E+01	3.3213E-00	8.2952E-01	1.0507E+01	3.8797E-00	2.7082E-00	3.2142E-01	1.9476E+03
2.2000E+01	3.0390E+01	3.2044E-00	8.2008E-01	1.1310E+01	3.9780E-00	2.8431E-00	2.9185E-01	2.1132E+03
2.3000E+01	3.1590E+01	3.0931E-00	8.1041E-01	1.2139E+01	4.0705E-00	2.9823E-00	2.6501E-01	2.2788E+03
2.4000E+01	3.2820E+01	2.9796E-00	7.9982E-01	1.3007E+01	4.1586E-00	3.1278E-00	2.4034E-01	2.4465E+03
2.5000E+01	3.4060E+01	2.8717E-00	7.8902E-01	1.3900E+01	4.2412E-00	3.2774E-00	2.1810E-01	2.6131E+03
2.6000E+01	3.5320E+01	2.7660E-00	7.7767E-01	1.4823E+01	4.3191E-00	3.4319E-00	1.9794E-01	2.7795E+03
2.7000E+01	3.6600E+01	2.6626E-00	7.6577E-01	1.5775E+01	4.3927E-00	3.5913E-00	1.7971E-01	2.9452E+03
2.8000E+01	3.7900E+01	2.5617E-00	7.5337E-01	1.6756E+01	4.4619E-00	3.7553E-00	1.6326E-01	3.1099E+03
2.9000E+01	3.9220E+01	2.4637E-00	7.4049E-01	1.7763E+01	4.5271E-00	3.9237E-00	1.4845E-01	3.2732E+03
3.0000E+01	4.0570E+01	2.3663E-00	7.2683E-01	1.8803E+01	4.5888E-00	4.0975E-00	1.3502E-01	3.4359E+03
3.1000E+01	4.1950E+01	2.2702E-00	7.1245E-01	1.9873E+01	4.6472E-00	4.2764E-00	1.2288E-01	3.5976E+03
3.2000E+01	4.3350E+01	2.1779E-00	6.9773E-01	2.0963E+01	4.7020E-00	4.4588E-00	1.1200E-01	3.7567E+03
3.3000E+01	4.4800E+01	2.0840E-00	6.8179E-01	2.2100E+01	4.7544E-00	4.6483E-00	1.0206E-01	3.9162E+03
3.4000E+01	4.6280E+01	1.9930E-00	6.6537E-01	2.3258E+01	4.8037E-00	4.8416E-00	9.3130E-02	4.0733E+03
3.5000E+01	4.7820E+01	1.9007E-00	6.4767E-01	2.4460E+01	4.8509E-00	5.0423E-00	8.4965E-02	4.2308E+03
3.6000E+01	4.9410E+01	1.8099E-00	6.2915E-01	2.5694E+01	4.8957E-00	5.2484E-00	7.7578E-02	4.3868E+03
3.7000E+01	5.1080E+01	1.7176E-00	6.0917E-01	2.6980E+01	4.9387E-00	5.4627E-00	7.0803E-02	4.5437E+03
3.8000E+01	5.2840E+01	1.6244E-00	5.8776E-01	2.8316E+01	4.9800E-00	5.6860E-00	6.4597E-02	4.7011E+03
3.9000E+01	5.4730E+01	1.5283E-00	5.6428E-01	2.9727E+01	5.0203E-00	5.9213E-00	5.8842E-02	4.8612E+03
4.0000E+01	5.6810E+01	1.4268E-00	5.3792E-01	3.1241E+01	5.0601E-00	6.1739E-00	5.3427E-02	5.0268E+03
4.1000E+01	5.9210E+01	1.3150E-00	5.0692E-01	3.2928E+01	5.1009E-00	6.4554E-00	4.8176E-02	5.2044E+03
4.2000E+01	6.2340E+01	1.1768E-00	4.6573E-01	3.5015E+01	5.1466E-00	6.8035E-00	4.2627E-02	5.4144E+03
4.2633E+01	6.6964E+01	9.6747E-01	4.0372E-01	3.7813E+01	5.2011E-00	7.2701E-00	3.6496E-02	5.6809E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 6.3$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S, \text{ft}^2}{\text{sec}^2 - \text{ft}^2}$
.0000E-99	9.1330E-00	6.3000E-00	9.4240E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	9.7700E-00	6.1439E-00	9.3969E-01	1.1667E-00	1.1163E-00	1.0451E-00	9.9962E-01	6.4097E-01
2.0000E-00	1.0450E+01	5.9895E-00	9.3684E-01	1.3566E-00	1.2424E-00	1.0919E-00	9.9711E-01	4.9584E-00
3.0000E-00	1.1160E+01	5.8501E-00	9.3409E-01	1.5679E-00	1.3752E-00	1.1401E-00	9.9080E-01	1.5856E+01
4.0000E-00	1.1920E+01	5.6994E-00	9.3091E-01	1.8087E-00	1.5178E-00	1.1916E-00	9.7915E-01	3.6140E+01
5.0000E-00	1.2710E+01	5.5577E-00	9.2772E-01	2.0748E-00	1.6655E-00	1.2457E-00	9.6158E-01	6.7211E+01
6.0000E-00	1.3540E+01	5.4117E-00	9.2421E-01	2.3715E-00	1.8191E-00	1.3036E-00	9.3752E-01	1.1071E+02
7.0000E-00	1.4400E+01	5.2696E-00	9.2055E-01	2.6971E-00	1.9756E-00	1.3651E-00	9.0731E-01	1.6691E+02
8.0000E-00	1.5300E+01	5.1196E-00	9.1640E-01	3.0575E-00	2.1358E-00	1.4315E-00	8.7105E-01	2.3689E+02
9.0000E-00	1.6220E+01	4.9789E-00	9.1222E-01	3.4462E-00	2.2948E-00	1.5017E-00	8.3034E-01	3.1902E+02
1.0000E+01	1.7180E+01	4.8280E-00	9.0740E-01	3.8732E-00	2.4550E-00	1.5776E-00	7.8529E-01	4.1475E+02
1.1000E+01	1.8160E+01	4.6832E-00	9.0241E-01	4.3313E-00	2.6122E-00	1.6580E-00	7.3787E-01	5.2158E+02
1.2000E+01	1.9160E+01	4.5429E-00	8.9720E-01	4.8213E-00	2.7656E-00	1.7432E-00	6.8924E-01	6.3862E+02
1.3000E+01	2.0190E+01	4.3985E-00	8.9142E-01	5.3490E-00	2.9160E-00	1.8343E-00	6.3985E-01	7.6620E+02
1.4000E+01	2.1240E+01	4.2572E-00	8.8531E-01	5.9105E-00	3.0614E-00	1.9306E-00	5.9110E-01	9.0220E+02
1.5000E+01	2.2300E+01	4.1247E-00	8.7912E-01	6.5006E-00	3.2001E-00	2.0313E-00	5.4412E-01	1.0443E+03
1.6000E+01	2.3300E+01	3.9874E-00	8.7221E-01	7.1309E-00	3.3345E-00	2.1385E-00	4.9860E-01	1.1942E+03
1.7000E+01	2.4500E+01	3.8518E-00	8.6483E-01	7.7964E-00	3.4631E-00	2.2512E-00	4.5540E-01	1.3497E+03
1.8000E+01	2.5620E+01	3.7235E-00	8.5729E-01	8.4910E-00	3.5847E-00	2.3686E-00	4.1513E-01	1.5086E+03
1.9000E+01	2.6760E+01	3.5963E-00	8.4923E-01	9.2207E-00	3.7005E-00	2.4917E-00	3.7757E-01	1.6713E+03
2.0000E+01	2.7920E+01	3.4704E-00	8.4062E-01	9.9856E-00	3.8105E-00	2.6205E-00	3.4277E-01	1.8372E+03
2.1000E+01	2.9090E+01	3.3507E-00	8.3179E-01	1.0778E+01	3.9140E-00	2.7538E-00	3.1100E-01	2.0041E+03
2.2000E+01	3.0280E+01	3.2323E-00	8.2239E-01	1.1605E+01	4.0120E-00	2.8928E-00	2.8188E-01	2.1729E+03
2.3000E+01	3.1470E+01	3.1156E-00	8.1242E-01	1.2467E+01	4.1047E-00	3.0373E-00	2.5530E-01	2.3428E+03
2.4000E+01	3.2710E+01	3.0045E-00	8.0221E-01	1.3355E+01	4.1917E-00	3.1861E-00	2.3133E-01	2.5120E+03
2.5000E+01	3.3950E+01	2.8952E-00	7.9144E-01	1.4275E+01	4.2737E-00	3.3402E-00	2.0959E-01	2.6814E+03
2.6000E+01	3.5210E+01	2.7880E-00	7.8010E-01	1.5226E+01	4.3511E-00	3.4995E-00	1.8992E-01	2.8504E+03
2.7000E+01	3.6490E+01	2.6832E-00	7.6821E-01	1.6209E+01	4.4240E-00	3.6638E-00	1.7218E-01	3.0188E+03
2.8000E+01	3.7790E+01	2.5810E-00	7.5581E-01	1.7220E+01	4.4926E-00	3.8329E-00	1.5619E-01	3.1859E+03
2.9000E+01	3.9120E+01	2.4791E-00	7.4257E-01	1.8267E+01	4.5577E-00	4.0079E-00	1.4172E-01	3.3528E+03
3.0000E+01	4.0460E+01	2.3830E-00	7.2923E-01	1.9332E+01	4.6183E-00	4.1859E-00	1.2882E-01	3.5165E+03
3.1000E+01	4.1840E+01	2.2856E-00	7.1482E-01	2.0437E+01	4.6761E-00	4.3705E-00	1.1709E-01	3.6804E+03
3.2000E+01	4.3250E+01	2.1901E-00	6.9974E-01	2.1572E+01	4.7306E-00	4.5601E-00	1.0652E-01	3.8427E+03
3.3000E+01	4.4690E+01	2.0970E-00	6.8407E-01	2.2735E+01	4.7819E-00	4.7543E-00	9.7023E-02	4.0030E+03
3.4000E+01	4.6170E+01	2.0040E-00	6.6758E-01	2.3931E+01	4.8306E-00	4.9540E-00	8.8432E-02	4.1621E+03
3.5000E+01	4.7700E+01	1.9131E-00	6.5010E-01	2.5164E+01	4.8769E-00	5.1599E-00	8.0637E-02	4.3205E+03
3.6000E+01	4.9290E+01	1.8211E-00	6.3149E-01	2.6440E+01	4.9210E-00	5.3728E-00	7.3546E-02	4.4784E+03
3.7000E+01	5.0950E+01	1.7287E-00	6.1167E-01	2.7760E+01	4.9632E-00	5.5930E-00	6.7087E-02	4.6362E+03
3.8000E+01	5.2700E+01	1.6355E-00	5.9038E-01	2.9134E+01	5.0038E-00	5.8223E-00	6.1171E-02	4.7946E+03
3.9000E+01	5.4580E+01	1.5390E-00	5.6696E-01	3.0584E+01	5.0433E-00	6.0644E-00	5.5686E-02	4.9558E+03
4.0000E+01	5.6640E+01	1.4377E-00	5.4084E-01	3.2136E+01	5.0822E-00	6.3222E-00	5.0547E-02	5.1219E+03
4.1000E+01	5.9000E+01	1.3270E-00	5.1035E-01	3.3855E+01	5.1218E-00	6.6100E-00	4.5595E-02	5.2989E+03
4.2000E+01	6.2030E+01	1.1919E-00	4.7041E-01	3.5952E+01	5.1657E-00	6.9598E-00	4.0423E-02	5.5055E+03
4.2724E+01	6.6987E+01	9.8790E-01	4.0412E-01	3.9061E+01	5.2322E-00	7.4783E-00	3.4153E-02	5.7947E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 6.4$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{\text{sec}^2 \cdot ^\circ \text{R}}$ $\frac{\text{ft}^2}{\text{sec}^2 \cdot ^\circ \text{R}}$
.0000E-99	8.9890E-00	6.4000E-00	9.4404E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	9.6300E-00	6.2341E-00	9.4128E-01	1.1706E-00	1.1189E-00	1.0461E-00	9.9960E-01	6.8317E-01
2.0000E-00	1.0300E+01	6.0889E-00	9.3870E-01	1.3610E-00	1.2452E-00	1.0930E-00	9.9702E-01	5.1177E-00
3.0000E-00	1.1020E+01	5.9345E-00	9.3577E-01	1.5794E-00	1.3822E-00	1.1426E-00	9.9035E-01	1.6634E+01
4.0000E-00	1.1780E+01	5.7814E-00	9.3267E-01	1.8250E-00	1.5271E-00	1.1950E-00	9.7821E-01	3.7794E+01
5.0000E-00	1.2570E+01	5.6379E-00	9.2958E-01	2.0966E-00	1.6772E-00	1.2500E-00	9.5996E-01	7.0121E+01
6.0000E-00	1.3400E+01	5.4902E-00	9.2613E-01	2.3998E-00	1.8332E-00	1.3090E-00	9.3502E-01	1.1527E+02
7.0000E-00	1.4270E+01	5.3364E-00	9.2230E-01	2.7367E-00	1.9939E-00	1.3725E-00	9.0343E-01	1.7425E+02
8.0000E-00	1.5170E+01	5.1851E-00	9.1825E-01	3.1056E-00	2.1562E-00	1.4403E-00	8.6606E-01	2.4674E+02
9.0000E-00	1.6100E+01	5.0340E-00	9.1389E-01	3.5083E-00	2.3190E-00	1.5128E-00	8.2378E-01	3.3263E+02
1.0000E+01	1.7050E+01	4.8906E-00	9.0944E-01	3.9415E-00	2.4794E-00	1.5897E-00	7.7814E-01	4.3044E+02
1.1000E+01	1.8030E+01	4.7442E-00	9.0456E-01	4.4112E-00	2.6382E-00	1.6720E-00	7.2979E-01	5.4052E+02
1.2000E+01	1.9040E+01	4.5944E-00	8.9916E-01	4.9190E-00	2.7945E-00	1.7602E-00	6.7985E-01	6.6217E+02
1.3000E+01	2.0070E+01	4.4485E-00	8.9347E-01	5.4609E-00	2.9461E-00	1.8535E-00	6.2983E-01	7.9330E+02
1.4000E+01	2.1120E+01	4.3056E-00	8.8745E-01	6.0376E-00	3.0924E-00	1.9523E-00	5.8062E-01	9.3290E+02
1.5000E+01	2.2190E+01	4.1649E-00	8.8105E-01	6.6497E-00	3.2331E-00	2.0567E-00	5.3294E-01	1.0799E+03
1.6000E+01	2.3280E+01	4.0261E-00	8.7421E-01	7.2977E-00	3.3679E-00	2.1668E-00	4.8732E-01	1.2334E+03
1.7000E+01	2.4390E+01	3.8890E-00	8.6691E-01	7.9821E-00	3.4968E-00	2.2826E-00	4.4417E-01	1.3925E+03
1.8000E+01	2.5510E+01	3.7591E-00	8.5944E-01	8.6966E-00	3.6184E-00	2.4033E-00	4.0408E-01	1.5549E+03
1.9000E+01	2.6660E+01	3.6252E-00	8.5111E-01	9.4541E-00	3.7352E-00	2.5310E-00	3.6648E-01	1.7225E+03
2.0000E+01	2.7810E+01	3.5029E-00	8.4270E-01	1.0234E+01	3.8441E-00	2.6624E-00	3.3235E-01	1.8902E+03
2.1000E+01	2.8990E+01	3.3770E-00	8.3379E-01	1.1058E+01	3.9481E-00	2.8008E-00	3.0074E-01	2.0617E+03
2.2000E+01	3.0180E+01	3.2573E-00	8.2444E-01	1.1910E+01	4.0458E-00	2.9438E-00	2.7209E-01	2.2335E+03
2.3000E+01	3.1390E+01	3.1392E-00	8.1450E-01	1.2797E+01	4.1380E-00	3.0926E-00	2.4601E-01	2.4064E+03
2.4000E+01	3.2610E+01	3.0269E-00	8.0433E-01	1.3712E+01	4.2244E-00	3.2459E-00	2.2255E-01	2.5784E+03
2.5000E+01	3.3850E+01	2.9163E-00	7.9357E-01	1.4660E+01	4.3059E-00	3.4046E-00	2.0131E-01	2.7505E+03
2.6000E+01	3.5120E+01	2.8045E-00	7.8190E-01	1.5648E+01	4.3832E-00	3.5701E-00	1.8201E-01	2.9235E+03
2.7000E+01	3.6400E+01	2.6987E-00	7.7002E-01	1.6661E+01	4.4555E-00	3.7374E-00	1.6476E-01	3.0943E+03
2.8000E+01	3.7700E+01	2.5955E-00	7.5762E-01	1.7703E+01	4.5234E-00	3.9138E-00	1.4926E-01	3.2638E+03
2.9000E+01	3.9020E+01	2.4952E-00	7.4472E-01	1.8775E+01	4.5873E-00	4.0928E-00	1.3535E-01	3.4317E+03
3.0000E+01	4.0370E+01	2.3956E-00	7.3103E-01	1.9881E+01	4.6477E-00	4.2777E-00	1.2279E-01	3.5988E+03
3.1000E+01	4.1740E+01	2.2995E-00	7.1692E-01	2.1013E+01	4.7043E-00	4.4668E-00	1.1155E-01	3.7635E+03
3.2000E+01	4.3140E+01	2.2049E-00	7.0213E-01	2.2176E+01	4.7578E-00	4.6610E-00	1.0143E-01	3.9267E+03
3.3000E+01	4.4580E+01	2.1106E-00	6.8641E-01	2.3376E+01	4.8085E-00	4.8614E-00	9.2280E-02	4.0890E+03
3.4000E+01	4.6060E+01	2.0173E-00	6.6987E-01	2.4610E+01	4.8566E-00	5.0674E-00	8.4015E-02	4.2501E+03
3.5000E+01	4.7590E+01	1.9244E-00	6.5221E-01	2.5883E+01	4.9022E-00	5.2799E-00	7.6527E-02	4.4103E+03
3.6000E+01	4.9170E+01	1.8327E-00	6.3390E-01	2.7192E+01	4.9455E-00	5.4983E-00	6.9764E-02	4.5690E+03
3.7000E+01	5.0820E+01	1.7405E-00	6.1424E-01	2.8547E+01	4.9869E-00	5.7244E-00	6.3604E-02	4.7276E+03
3.8000E+01	5.2570E+01	1.6459E-00	5.9280E-01	2.9967E+01	5.0268E-00	5.9613E-00	5.7934E-02	4.8879E+03
3.9000E+01	5.4440E+01	1.5491E-00	5.6947E-01	3.1458E+01	5.0656E-00	6.2101E-00	5.2708E-02	5.0501E+03
4.0000E+01	5.6480E+01	1.4482E-00	5.4360E-01	3.3047E+01	5.1036E-00	6.4752E-00	4.7835E-02	5.2166E+03
4.1000E+01	5.8810E+01	1.3379E-00	5.1345E-01	3.4803E+01	5.1422E-00	6.7682E-00	4.3149E-02	5.3935E+03
4.2000E+01	6.1740E+01	1.2065E-00	4.7486E-01	3.6907E+01	5.1842E-00	7.1177E-00	3.8338E-02	5.5964E+03
4.2810E+01	6.7010E+01	9.6824E-01	4.0423E-01	4.0330E+01	5.2445E-00	7.6899E-00	3.1981E-02	5.9074E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 6.5$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{sec^2 \cdot ^\circ R}$
.0000E-99	8.8500E-00	6.5000E-00	9.4560E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	9.4900E-00	6.3301E-00	9.4290E-01	1.1732E-00	1.1207E-00	1.0468E-00	9.9958E-01	7.1336E-01
2.0000E-00	1.0160E+01	6.1815E-00	9.4036E-01	1.3670E-00	1.2491E-00	1.0944E-00	9.9689E-01	5.3399E-00
3.0000E-00	1.0880E+01	6.0241E-00	9.3749E-01	1.5894E-00	1.3883E-00	1.1448E-00	9.8994E-01	1.7335E+01
4.0000E-00	1.1640E+01	5.8684E-00	9.3446E-01	1.8398E-00	1.5356E-00	1.1981E-00	9.7733E-01	3.9334E+01
5.0000E-00	1.2440E+01	5.7118E-00	9.3118E-01	2.1206E-00	1.6900E-00	1.2548E-00	9.5814E-01	7.3374E+01
6.0000E-00	1.3270E+01	5.5626E-00	9.2784E-01	2.4304E-00	1.8483E-00	1.3149E-00	9.3229E-01	1.2029E+02
7.0000E-00	1.4140E+01	5.4073E-00	9.2410E-01	2.7749E-00	2.0113E-00	1.3796E-00	8.9967E-01	1.8142E+02
8.0000E-00	1.5040E+01	5.2544E-00	9.2014E-01	3.1524E-00	2.1759E-00	1.4488E-00	8.6120E-01	2.5641E+02
9.0000E-00	1.5970E+01	5.1018E-00	9.1589E-01	3.5646E-00	2.3406E-00	1.5229E-00	8.1782E-01	3.4508E+02
1.0000E+01	1.6930E+01	4.9479E-00	9.1126E-01	4.0132E-00	2.5046E-00	1.6023E-00	7.7066E-01	4.4702E+02
1.1000E+01	1.7910E+01	4.8002E-00	9.0647E-01	4.4948E-00	2.6650E-00	1.6866E-00	7.2138E-01	5.6040E+02
1.2000E+01	1.8920E+01	4.6489E-00	9.0117E-01	5.0157E-00	2.8227E-00	1.7769E-00	6.7066E-01	6.8551E+02
1.3000E+01	1.9960E+01	4.4937E-00	8.9528E-01	5.5772E-00	2.9768E-00	1.8735E-00	6.1956E-01	8.2151E+02
1.4000E+01	2.1010E+01	4.3494E-00	8.8935E-01	6.1695E-00	3.1239E-00	1.9749E-00	5.6995E-01	9.6472E+02
1.5000E+01	2.2080E+01	4.2073E-00	8.8303E-01	6.7983E-00	3.2652E-00	2.0820E-00	5.2204E-01	1.1153E+03
1.6000E+01	2.3170E+01	4.0669E-00	8.7628E-01	7.4642E-00	3.4005E-00	2.1950E-00	4.7637E-01	1.2725E+03
1.7000E+01	2.4280E+01	3.9282E-00	8.6906E-01	8.1677E-00	3.5295E-00	2.3140E-00	4.3329E-01	1.4351E+03
1.8000E+01	2.5410E+01	3.7910E-00	8.6133E-01	8.9089E-00	3.6524E-00	2.4391E-00	3.9306E-01	1.6023E+03
1.9000E+01	2.6560E+01	3.6556E-00	8.5306E-01	9.6882E-00	3.7690E-00	2.5704E-00	3.5578E-01	1.7733E+03
2.0000E+01	2.7710E+01	3.5320E-00	8.4491E-01	1.0491E+01	3.8776E-00	2.7055E-00	3.2205E-01	1.9443E+03
2.1000E+01	2.8890E+01	3.4046E-00	8.3585E-01	1.1338E+01	3.9813E-00	2.8479E-00	2.9088E-01	2.1189E+03
2.2000E+01	3.0080E+01	3.2835E-00	8.2654E-01	1.2215E+01	4.0786E-00	2.9951E-00	2.6270E-01	2.2937E+03
2.3000E+01	3.1290E+01	3.1640E-00	8.1664E-01	1.3129E+01	4.1703E-00	3.1482E-00	2.3713E-01	2.4695E+03
2.4000E+01	3.2520E+01	3.0464E-00	8.0615E-01	1.4079E+01	4.2568E-00	3.3073E-00	2.1398E-01	2.6457E+03
2.5000E+01	3.3760E+01	2.9347E-00	7.9542E-01	1.5055E+01	4.3377E-00	3.4708E-00	1.9327E-01	2.8204E+03
2.6000E+01	3.5020E+01	2.8251E-00	7.8411E-01	1.6066E+01	4.4138E-00	3.6399E-00	1.7461E-01	2.9946E+03
2.7000E+01	3.6300E+01	2.7180E-00	7.7225E-01	1.7109E+01	4.4854E-00	3.8143E-00	1.5785E-01	3.1678E+03
2.8000E+01	3.7600E+01	2.6135E-00	7.5985E-01	1.8183E+01	4.5527E-00	3.9939E-00	1.4281E-01	3.3397E+03
2.9000E+01	3.8920E+01	2.5120E-00	7.4694E-01	1.9287E+01	4.6159E-00	4.1785E-00	1.2933E-01	3.5098E+03
3.0000E+01	4.0270E+01	2.4111E-00	7.3322E-01	2.0428E+01	4.6756E-00	4.3690E-00	1.1718E-01	3.6791E+03
3.1000E+01	4.1640E+01	2.3139E-00	7.1909E-01	2.1595E+01	4.7316E-00	4.5639E-00	1.0633E-01	3.8459E+03
3.2000E+01	4.3050E+01	2.2161E-00	7.0394E-01	2.2802E+01	4.7848E-00	4.7656E-00	9.6507E-02	4.0122E+03
3.3000E+01	4.4480E+01	2.1228E-00	6.8850E-01	2.4031E+01	4.8345E-00	4.9708E-00	8.7757E-02	4.1753E+03
3.4000E+01	4.5960E+01	2.0285E-00	6.7190E-01	2.5304E+01	4.8819E-00	5.1833E-00	7.9812E-02	4.3381E+03
3.5000E+01	4.7480E+01	1.9361E-00	6.5458E-01	2.6610E+01	4.9267E-00	5.4011E-00	7.2666E-02	4.4991E+03
3.6000E+01	4.9060E+01	1.8432E-00	6.3608E-01	2.7960E+01	4.9693E-00	5.6265E-00	6.6176E-02	4.6596E+03
3.7000E+01	5.0710E+01	1.7500E-00	6.1632E-01	2.9359E+01	5.0101E-00	5.8599E-00	6.0273E-02	4.8200E+03
3.8000E+01	5.2450E+01	1.6555E-00	5.9503E-01	3.0816E+01	5.0493E-00	6.1030E-00	5.4873E-02	4.9810E+03
3.9000E+01	5.4300E+01	1.5595E-00	5.7205E-01	3.2340E+01	5.0871E-00	6.3572E-00	4.9922E-02	5.1433E+03
4.0000E+01	5.6320E+01	1.4589E-00	5.4644E-01	3.3966E+01	5.1242E-00	6.6285E-00	4.5298E-02	5.3101E+03
4.1000E+01	5.8620E+01	1.3492E-00	5.1664E-01	3.5760E+01	5.1618E-00	6.9277E-00	4.0863E-02	5.4869E+03
4.2000E+01	6.1480E+01	1.2198E-00	4.7889E-01	3.7887E+01	5.2025E-00	7.2826E-00	3.6349E-02	5.6878E+03
4.2893E+01	6.7032E+01	9.8860E-01	4.0436E-01	4.1619E+01	5.2650E-00	7.9049E-00	2.9967E-02	6.0190E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 6.6$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{R}$
.0000E-99	8.7150E-00	6.6000E-00	9.4711E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	9.3500E-00	6.4322E-00	9.4455E-01	1.1747E-00	1.1217E-00	1.0472E-00	9.9957E-01	7.3017E-01
2.0000E-00	1.0030E+01	6.2665E-00	9.4183E-01	1.3748E-00	1.2541E-00	1.0962E-00	9.9672E-01	5.6353E-00
3.0000E-00	1.0750E+01	6.1064E-00	9.3902E-01	1.6014E-00	1.3956E-00	1.1474E-00	9.8945E-01	1.8186E+01
4.0000E-00	1.1510E+01	5.9486E-00	9.3605E-01	1.8567E-00	1.5452E-00	1.2016E-00	9.7632E-01	4.1117E+01
5.0000E-00	1.2310E+01	5.7900E-00	9.3285E-01	2.1433E-00	1.7020E-00	1.2593E-00	9.5639E-01	7.6498E+01
6.0000E-00	1.3140E+01	5.6393E-00	9.2959E-01	2.4596E-00	1.8627E-00	1.3204E-00	9.2966E-01	1.2515E+02
7.0000E-00	1.4010E+01	5.4824E-00	9.2594E-01	2.8118E-00	2.0280E-00	1.3864E-00	8.9601E-01	1.8840E+02
8.0000E-00	1.4920E+01	5.3178E-00	9.2182E-01	3.2022E-00	2.1965E-00	1.4578E-00	8.5601E-01	2.6679E+02
9.0000E-00	1.5850E+01	5.1639E-00	9.1766E-01	3.6242E-00	2.3633E-00	1.5335E-00	8.1153E-01	3.5835E+02
1.0000E+01	1.6810E+01	5.0086E-00	9.1313E-01	4.0837E-00	2.5290E-00	1.6147E-00	7.6333E-01	4.6341E+02
1.1000E+01	1.7800E+01	4.8508E-00	9.0815E-01	4.5824E-00	2.6926E-00	1.7018E-00	7.1265E-01	5.8131E+02
1.2000E+01	1.8810E+01	4.6981E-00	9.0294E-01	5.1166E-00	2.8515E-00	1.7943E-00	6.6119E-01	7.0992E+02
1.3000E+01	1.9850E+01	4.5414E-00	8.9715E-01	5.6929E-00	3.0067E-00	1.8933E-00	6.0953E-01	8.4952E+02
1.4000E+01	2.0900E+01	4.3957E-00	8.9130E-01	6.3008E-00	3.1546E-00	1.9973E-00	5.5955E-01	9.9632E+02
1.5000E+01	2.1980E+01	4.2450E-00	8.8476E-01	6.9526E-00	3.2978E-00	2.1082E-00	5.1101E-01	1.1520E+03
1.6000E+01	2.3070E+01	4.1033E-00	8.7808E-01	7.6368E-00	3.4334E-00	2.2242E-00	4.6533E-01	1.3127E+03
1.7000E+01	2.4180E+01	3.9631E-00	8.7093E-01	8.3597E-00	3.5626E-00	2.3465E-00	4.2239E-01	1.4788E+03
1.8000E+01	2.5310E+01	3.8245E-00	8.6327E-01	9.1217E-00	3.6854E-00	2.4750E-00	3.8240E-01	1.6495E+03
1.9000E+01	2.6460E+01	3.6875E-00	8.5507E-01	9.9229E-00	3.8019E-00	2.6099E-00	3.4546E-01	1.8238E+03
2.0000E+01	2.7620E+01	3.5574E-00	8.4664E-01	1.0756E+01	3.9112E-00	2.7500E-00	3.1185E-01	1.9995E+03
2.1000E+01	2.8800E+01	3.4288E-00	8.3762E-01	1.1628E+01	4.0145E-00	2.8964E-00	2.8116E-01	2.1772E+03
2.2000E+01	2.9990E+01	3.3065E-00	8.2836E-01	1.2530E+01	4.1112E-00	3.0479E-00	2.5349E-01	2.3550E+03
2.3000E+01	3.1200E+01	3.1857E-00	8.1850E-01	1.3471E+01	4.2024E-00	3.2055E-00	2.2843E-01	2.5336E+03
2.4000E+01	3.2430E+01	3.0669E-00	8.0804E-01	1.4448E+01	4.2883E-00	3.3692E-00	2.0581E-01	2.7126E+03
2.5000E+01	3.3670E+01	2.9541E-00	7.9733E-01	1.5453E+01	4.3685E-00	3.5374E-00	1.8561E-01	2.8897E+03
2.6000E+01	3.4930E+01	2.8433E-00	7.8604E-01	1.6494E+01	4.4440E-00	3.7115E-00	1.6745E-01	3.0665E+03
2.7000E+01	3.6210E+01	2.7350E-00	7.7419E-01	1.7568E+01	4.5149E-00	3.8911E-00	1.5116E-01	3.2421E+03
2.8000E+01	3.7510E+01	2.6294E-00	7.6179E-01	1.8675E+01	4.5815E-00	4.0761E-00	1.3657E-01	3.4163E+03
2.9000E+01	3.8830E+01	2.5268E-00	7.4887E-01	1.9812E+01	4.6440E-00	4.2662E-00	1.2353E-01	3.5885E+03
3.0000E+01	4.0180E+01	2.4248E-00	7.3514E-01	2.0988E+01	4.7031E-00	4.4626E-00	1.1179E-01	3.7597E+03
3.1000E+01	4.1550E+01	2.3266E-00	7.2099E-01	2.2190E+01	4.7584E-00	4.6634E-00	1.0132E-01	3.9286E+03
3.2000E+01	4.2950E+01	2.2299E-00	7.0614E-01	2.3426E+01	4.8106E-00	4.8697E-00	9.1923E-02	4.0937E+03
3.3000E+01	4.4390E+01	2.1335E-00	6.9033E-01	2.4702E+01	4.8600E-00	5.0827E-00	8.3442E-02	4.2618E+03
3.4000E+01	4.5860E+01	2.0401E-00	6.7399E-01	2.6006E+01	4.9064E-00	5.3003E-00	7.4858E-02	4.4253E+03
3.5000E+01	4.7380E+01	1.9466E-00	6.5660E-01	2.7351E+01	4.9505E-00	5.5250E-00	6.6996E-02	4.5880E+03
3.6000E+01	4.8960E+01	1.8527E-00	6.3802E-01	2.8744E+01	4.9926E-00	5.7573E-00	6.0772E-02	4.7503E+03
3.7000E+01	5.0600E+01	1.7598E-00	6.1846E-01	3.0178E+01	5.0325E-00	5.9967E-00	5.5149E-02	4.9113E+03
3.8000E+01	5.2330E+01	1.6653E-00	5.9731E-01	3.1674E+01	5.0709E-00	6.2461E-00	5.0006E-02	5.0731E+03
3.9000E+01	5.4170E+01	1.5692E-00	5.7444E-01	3.3238E+01	5.1080E-00	6.5071E-00	4.7290E-02	5.2362E+03
4.0000E+01	5.6180E+01	1.4682E-00	5.4887E-01	3.4910E+01	5.1444E-00	6.7859E-00	4.2886E-02	5.4040E+03
4.1000E+01	5.8450E+01	1.3593E-00	5.1947E-01	3.6739E+01	5.1810E-00	7.0911E-00	3.8693E-02	5.5305E+03
4.2000E+01	6.1240E+01	1.2322E-00	4.8264E-01	3.8888E+01	5.2202E-00	7.4495E-00	3.4464E-02	5.7791E+03
4.2972E+01	6.7053E+01	9.8893E-01	4.0447E-01	4.2928E+01	5.2846E-00	8.1232E-00	2.8099E-02	6.1295E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 6.7$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{R \ln 10}$
.0000E-99	8.5840E-00	6.7000E-00	9.4856E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	9.2200E-00	6.5259E-00	9.4600E-01	1.1778E-00	1.1238E-00	1.0480E-00	9.9955E-01	7.6670E-01
2.0000E-00	9.9000E-00	6.3566E-00	9.4333E-01	1.3814E-00	1.2583E-00	1.0977E-00	9.9657E-01	5.8910E-00
3.0000E-00	1.0620E+01	6.1937E-00	9.4058E-01	1.6121E-00	1.4020E-00	1.1498E-00	9.8900E-01	1.8965E+01
4.0000E-00	1.1380E+01	6.0335E-00	9.3767E-01	1.8723E-00	1.5540E-00	1.2048E-00	9.7537E-01	4.2792E+01
5.0000E-00	1.2180E+01	5.8729E-00	9.3455E-01	2.1646E-00	1.7132E-00	1.2634E-00	9.5473E-01	7.9480E+01
6.0000E-00	1.3020E+01	5.7092E-00	9.3113E-01	2.4915E-00	1.8782E-00	1.3265E-00	9.2676E-01	1.3051E+02
7.0000E-00	1.3890E+01	5.5509E-00	9.2757E-01	2.8514E-00	2.0458E-00	1.3937E-00	8.9205E-01	1.9601E+02
8.0000E-00	1.4800E+01	5.3848E-00	9.2354E-01	3.2507E-00	2.2165E-00	1.4665E-00	8.5093E-01	2.7699E+02
9.0000E-00	1.5730E+01	5.2296E-00	9.1947E-01	3.6825E-00	2.3852E-00	1.5438E-00	8.0537E-01	3.7142E+02
1.0000E+01	1.6700E+01	5.0633E-00	9.1476E-01	4.1579E-00	2.5544E-00	1.6277E-00	7.5565E-01	4.8076E+02
1.1000E+01	1.7690E+01	4.9042E-00	9.0988E-01	4.6690E-00	2.7194E-00	1.7168E-00	7.0409E-01	6.0205E+02
1.2000E+01	1.8700E+01	4.7501E-00	9.0476E-01	5.2167E-00	2.8796E-00	1.8115E-00	6.5192E-01	7.3415E+02
1.3000E+01	1.9740E+01	4.5917E-00	8.9906E-01	5.8077E-00	3.0358E-00	1.9130E-00	5.9973E-01	8.7733E+02
1.4000E+01	2.0800E+01	4.4368E-00	8.9300E-01	6.4374E-00	3.1859E-00	2.0205E-00	5.4895E-01	1.0291E+03
1.5000E+01	2.1880E+01	4.2847E-00	8.8653E-01	7.1066E-00	3.3295E-00	2.1343E-00	5.0027E-01	1.1884E+03
1.6000E+01	2.2970E+01	4.1416E-00	8.7994E-01	7.8092E-00	3.4654E-00	2.2534E-00	4.5461E-01	1.3527E+03
1.7000E+01	2.4090E+01	3.9937E-00	8.7254E-01	8.5586E-00	3.5959E-00	2.3800E-00	4.1145E-01	1.5238E+03
1.8000E+01	2.5220E+01	3.8538E-00	8.6494E-01	9.3418E-00	3.7186E-00	2.5121E-00	3.7176E-01	1.6979E+03
1.9000E+01	2.6370E+01	3.7154E-00	8.5680E-01	1.0165E+01	3.8348E-00	2.6507E-00	3.3521E-01	1.8755E+03
2.0000E+01	2.7530E+01	3.5841E-00	8.4842E-01	1.1022E+01	3.9438E-00	2.7947E-00	3.0203E-01	2.0543E+03
2.1000E+01	2.8710E+01	3.4542E-00	8.3946E-01	1.1918E+01	4.0467E-00	2.9452E-00	2.7182E-01	2.2352E+03
2.2000E+01	2.9900E+01	3.3305E-00	8.3024E-01	1.2847E+01	4.1429E-00	3.1009E-00	2.4466E-01	2.4159E+03
2.3000E+01	3.1110E+01	3.2085E-00	8.2042E-01	1.3814E+01	4.2336E-00	3.2630E-00	2.2011E-01	2.5973E+03
2.4000E+01	3.2340E+01	3.0884E-00	8.0998E-01	1.4820E+01	4.3189E-00	3.4314E-00	1.9800E-01	2.7789E+03
2.5000E+01	3.3580E+01	2.9742E-00	7.9730E-01	1.5854E+01	4.3985E-00	3.6046E-00	1.7830E-01	2.9588E+03
2.6000E+01	3.4850E+01	2.8588E-00	7.8768E-01	1.6934E+01	4.4739E-00	3.7851E-00	1.6050E-01	3.1393E+03
2.7000E+01	3.6130E+01	2.7495E-00	7.7583E-01	1.8040E+01	4.5441E-00	3.9700E-00	1.4469E-01	3.3172E+03
2.8000E+01	3.7430E+01	2.6430E-00	7.6343E-01	1.9180E+01	4.6100E-00	4.1605E-00	1.3056E-01	3.4935E+03
2.9000E+01	3.8750E+01	2.5395E-00	7.5052E-01	2.0351E+01	4.6718E-00	4.3562E-00	1.1795E-01	3.6679E+03
3.0000E+01	4.0090E+01	2.4391E-00	7.3712E-01	2.1553E+01	4.7297E-00	4.5569E-00	1.0669E-01	3.8400E+03
3.1000E+01	4.1460E+01	2.3398E-00	7.2295E-01	2.2791E+01	4.7843E-00	4.7637E-00	9.6593E-02	4.0107E+03
3.2000E+01	4.2860E+01	2.2421E-00	7.0806E-01	2.4064E+01	4.8358E-00	4.9763E-00	8.7537E-02	4.1796E+03
3.3000E+01	4.4300E+01	2.1447E-00	6.9221E-01	2.5379E+01	4.8846E-00	5.1957E-00	7.9378E-02	4.3475E+03
3.4000E+01	4.5770E+01	2.0503E-00	6.7582E-01	2.6722E+01	4.9304E-00	5.4200E-00	7.2091E-02	4.5127E+03
3.5000E+01	4.7290E+01	1.9558E-00	6.5837E-01	2.8110E+01	4.9739E-00	5.6515E-00	6.5506E-02	4.6771E+03
3.6000E+01	4.8860E+01	1.8626E-00	6.4002E-01	2.9536E+01	5.0151E-00	5.8895E-00	5.9576E-02	4.8399E+03
3.7000E+01	5.0490E+01	1.7700E-00	6.2065E-01	3.1006E+01	5.0542E-00	6.1348E-00	5.4219E-02	5.0016E+03
3.8000E+01	5.2220E+01	1.6744E-00	5.9939E-01	3.2549E+01	5.0920E-00	6.3921E-00	4.9292E-02	5.1651E+03
3.9000E+01	5.4050E+01	1.5782E-00	5.7663E-01	3.4154E+01	5.1283E-00	6.6599E-00	4.4803E-02	5.3290E+03
4.0000E+01	5.6040E+01	1.4778E-00	5.5137E-01	3.5862E+01	5.1639E-00	6.9448E-00	4.0628E-02	5.4968E+03
4.1000E+01	5.8290E+01	1.3690E-00	5.2215E-01	3.7736E+01	5.1997E-00	7.2572E-00	3.6647E-02	5.6737E+03
4.2000E+01	6.1020E+01	1.2438E-00	4.8611E-01	3.9911E+01	5.2376E-00	7.6200E-00	3.2677E-02	5.8705E+03
4.3000E+01	6.5890E+01	1.0365E-00	4.2058E-01	4.3466E+01	5.2924E-00	8.2128E-00	2.7379E-02	6.1741E+03
4.3047E+01	6.7073E+01	9.8924E-01	4.0457E-01	4.4257E+01	5.3035E-00	8.3448E-00	2.6365E-02	6.2388E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 6.8$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{-^{\circ}R}$
.0000E-99	8.4570E-00	6.8000E-00	9.4994E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	9.0900E-00	6.6254E-00	9.4749E-01	1.1798E-00	1.1252E-00	1.0485E-00	9.9953E-01	7.9089E-01
2.0000E-00	9.7700E-00	6.4521E-00	9.4486E-01	1.3867E-00	1.2618E-00	1.0990E-00	9.9644E-01	6.1052E-00
3.0000E-00	1.0490E+01	6.2861E-00	9.4216E-01	1.6215E-00	1.4077E-00	1.1518E-00	9.8860E-01	1.9664E+01
4.0000E-00	1.1260E+01	6.1106E-00	9.3910E-01	1.8901E-00	1.5640E-00	1.2084E-00	9.7425E-01	4.4749E+01
5.0000E-00	1.2060E+01	5.9484E-00	9.3604E-01	2.1883E-00	1.7256E-00	1.2681E-00	9.5286E-01	8.2858E+01
6.0000E-00	1.2900E+01	5.7831E-00	9.3270E-01	2.5220E-00	1.8930E-00	1.3323E-00	9.2394E-01	1.3573E+02
7.0000E-00	1.3770E+01	5.6234E-00	9.2923E-01	2.8897E-00	2.0628E-00	1.4008E-00	8.8819E-01	2.0344E+02
8.0000E-00	1.4680E+01	5.4556E-00	9.2529E-01	3.2978E-00	2.2357E-00	1.4751E-00	8.4598E-01	2.8701E+02
9.0000E-00	1.5620E+01	5.2888E-00	9.2106E-01	3.7444E-00	2.4081E-00	1.5548E-00	7.9884E-01	3.8538E+02
1.0000E+01	1.6590E+01	5.1211E-00	9.1644E-01	4.2312E-00	2.5790E-00	1.6405E-00	7.4812E-01	4.9795E+02
1.1000E+01	1.7580E+01	4.9605E-00	9.1165E-01	4.7547E-00	2.7456E-00	1.7317E-00	6.9570E-01	6.2260E+02
1.2000E+01	1.8600E+01	4.7963E-00	9.0634E-01	5.3216E-00	2.9085E-00	1.8296E-00	6.4234E-01	7.5954E+02
1.3000E+01	1.9640E+01	4.6365E-00	9.0072E-01	5.9276E-00	3.0656E-00	1.9335E-00	5.8968E-01	9.0634E+02
1.4000E+01	2.0700E+01	4.4802E-00	8.9475E-01	6.5736E-00	3.2164E-00	2.0437E-00	5.3861E-01	1.0617E+03
1.5000E+01	2.1780E+01	4.3265E-00	8.8836E-01	7.2603E-00	3.3605E-00	2.1604E-00	4.8982E-01	1.2247E+03
1.6000E+01	2.2880E+01	4.1751E-00	8.8153E-01	7.9883E-00	3.4979E-00	2.2837E-00	4.4380E-01	1.3940E+03
1.7000E+01	2.4000E+01	4.0257E-00	8.7420E-01	8.7580E-00	3.6284E-00	2.4137E-00	4.0086E-01	1.5686E+03
1.8000E+01	2.5130E+01	3.8845E-00	8.6666E-01	9.5625E-00	3.7510E-00	2.5493E-00	3.6148E-01	1.7460E+03
1.9000E+01	2.6280E+01	3.7448E-00	8.5858E-01	1.0408E+01	3.8669E-00	2.6916E-00	3.2531E-01	1.9269E+03
2.0000E+01	2.7440E+01	3.6120E-00	8.5026E-01	1.1289E+01	3.9756E-00	2.8396E-00	2.9258E-01	2.1089E+03
2.1000E+01	2.8620E+01	3.4807E-00	8.4134E-01	1.2210E+01	4.0780E-00	2.9942E-00	2.6286E-01	2.2927E+03
2.2000E+01	2.9820E+01	3.3511E-00	8.3182E-01	1.3173E+01	4.1745E-00	3.1556E-00	2.3598E-01	2.4778E+03
2.3000E+01	3.1030E+01	3.2280E-00	8.2203E-01	1.4168E+01	4.2646E-00	3.3223E-00	2.1197E-01	2.6620E+03
2.4000E+01	3.2260E+01	3.1067E-00	8.1163E-01	1.5202E+01	4.3492E-00	3.4954E-00	1.9039E-01	2.8462E+03
2.5000E+01	3.3500E+01	2.9915E-00	8.0097E-01	1.6267E+01	4.4281E-00	3.6735E-00	1.7119E-01	3.0286E+03
2.6000E+01	3.4760E+01	2.8785E-00	7.8972E-01	1.7369E+01	4.5023E-00	3.8578E-00	1.5401E-01	3.2101E+03
2.7000E+01	3.6040E+01	2.7679E-00	7.7788E-01	1.8507E+01	4.5718E-00	4.0481E-00	1.3866E-01	3.3902E+03
2.8000E+01	3.7340E+01	2.6602E-00	7.6549E-01	1.9680E+01	4.6370E-00	4.2440E-00	1.2496E-01	3.5688E+03
2.9000E+01	3.8670E+01	2.5527E-00	7.5222E-01	2.0895E+01	4.6986E-00	4.4470E-00	1.1266E-01	3.7465E+03
3.0000E+01	4.0010E+01	2.4514E-00	7.3881E-01	2.2132E+01	4.7558E-00	4.6536E-00	1.0180E-01	3.9206E+03
3.1000E+01	4.1380E+01	2.3511E-00	7.2462E-01	2.3407E+01	4.8098E-00	4.8665E-00	9.2060E-02	4.0931E+03
3.2000E+01	4.2780E+01	2.2526E-00	7.0970E-01	2.4718E+01	4.8606E-00	5.0854E-00	8.3342E-02	4.2639E+03
3.3000E+01	4.4210E+01	2.1563E-00	6.9415E-01	2.6063E+01	4.9083E-00	5.3098E-00	7.5549E-02	4.4323E+03
3.4000E+01	4.5680E+01	2.0608E-00	6.7771E-01	2.7446E+01	4.9535E-00	5.5408E-00	6.8545E-02	4.5993E+03
3.5000E+01	4.7190E+01	1.9671E-00	6.6051E-01	2.8866E+01	4.9961E-00	5.7777E-00	6.2264E-02	4.7642E+03
3.6000E+01	4.8760E+01	1.8727E-00	6.4208E-01	3.0336E+01	5.0367E-00	6.0230E-00	5.6573E-02	4.9287E+03
3.7000E+01	5.0390E+01	1.7791E-00	6.2261E-01	3.1851E+01	5.0753E-00	6.2757E-00	5.1439E-02	5.0919E+03
3.8000E+01	5.2110E+01	1.6837E-00	6.0152E-01	3.3432E+01	5.1124E-00	6.5395E-00	4.6748E-02	5.2560E+03
3.9000E+01	5.3930E+01	1.5874E-00	5.7888E-01	3.5079E+01	5.1479E-00	6.8141E-00	4.2472E-02	5.4206E+03
4.0000E+01	5.5910E+01	1.4867E-00	5.5369E-01	3.6832E+01	5.1828E-00	7.1066E-00	3.8496E-02	5.5893E+03
4.1000E+01	5.8140E+01	1.3781E-00	5.2468E-01	3.8749E+01	5.2178E-00	7.4263E-00	3.4718E-02	5.7665E+03
4.2000E+01	6.0820E+01	1.2544E-00	4.8927E-01	4.0956E+01	5.2546E-00	7.7943E-00	3.0980E-02	5.9620E+03
4.3000E+01	6.5170E+01	1.0673E-00	4.3075E-01	4.4267E+01	5.3037E-00	8.3464E-00	2.6352E-02	6.2396E+03
4.3119E+01	6.7092E+01	9.8954E-01	4.0468E-01	4.5606E+01	5.3217E-00	8.5697E-00	2.4753E-02	6.3470E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 6.9$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S,}{\text{ft}^2}$ $\text{sec}^2 \cdot ^\circ \text{R}$
.0000E-99	8.3330E-00	6.9000E-00	9.5129E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	8.9700E-00	6.7154E-00	9.4878E-01	1.1836E-00	1.1278E-00	1.0494E-00	9.9951E-01	8.3806E-01
2.0000E-00	9.6500E-00	6.5387E-00	9.4620E-01	1.3941E-00	1.2665E-00	1.1007E-00	9.9627E-01	6.4056E-00
3.0000E-00	1.0370E+01	6.3701E-00	9.4355E-01	1.6330E-00	1.4146E-00	1.1543E-00	9.8810E-01	2.0540E+01
4.0000E-00	1.1140E+01	6.1922E-00	9.4055E-01	1.9067E-00	1.5734E-00	1.2118E-00	9.7320E-01	4.6606E+01
5.0000E-00	1.1940E+01	6.0282E-00	9.3757E-01	2.2107E-00	1.7373E-00	1.2725E-00	9.5105E-01	8.6106E+01
6.0000E-00	1.2780E+01	5.8611E-00	9.3431E-01	2.5513E-00	1.9070E-00	1.3378E-00	9.2122E-01	1.4079E+02
7.0000E-00	1.3660E+01	5.6885E-00	9.3068E-01	2.9311E-00	2.0811E-00	1.4084E-00	8.8400E-01	2.1157E+02
8.0000E-00	1.4570E+01	5.5195E-00	9.2683E-01	3.3484E-00	2.2560E-00	1.4841E-00	8.4066E-01	2.9783E+02
9.0000E-00	1.5510E+01	5.3512E-00	9.2268E-01	3.8051E-00	2.4304E-00	1.5656E-00	7.9245E-01	3.9918E+02
1.0000E+01	1.6480E+01	5.1820E-00	9.1816E-01	4.3033E-00	2.6030E-00	1.6531E-00	7.4075E-01	5.1495E+02
1.1000E+01	1.7480E+01	5.0105E-00	9.1319E-01	4.8448E-00	2.7726E-00	1.7473E-00	6.8697E-01	6.4428E+02
1.2000E+01	1.8500E+01	4.8449E-00	9.0796E-01	5.4257E-00	2.9367E-00	1.8475E-00	6.3296E-01	7.8478E+02
1.3000E+01	1.9540E+01	4.6837E-00	9.0243E-01	6.0469E-00	3.0947E-00	1.9539E-00	5.7985E-01	9.3516E+02
1.4000E+01	2.0610E+01	4.5179E-00	8.9623E-01	6.7157E-00	3.2475E-00	2.0679E-00	5.2806E-01	1.0957E+03
1.5000E+01	2.1690E+01	4.3630E-00	8.8993E-01	7.4204E-00	3.3920E-00	2.1875E-00	4.7922E-01	1.2622E+03
1.6000E+01	2.2790E+01	4.2102E-00	8.8316E-01	8.1675E-00	3.5295E-00	2.3140E-00	4.3330E-01	1.4350E+03
1.7000E+01	2.3910E+01	4.0594E-00	8.7590E-01	8.9576E-00	3.6600E-00	2.4474E-00	3.9059E-01	1.6131E+03
1.8000E+01	2.5040E+01	3.9167E-00	8.6844E-01	9.7837E-00	3.7825E-00	2.5865E-00	3.5154E-01	1.7939E+03
1.9000E+01	2.6190E+01	3.7755E-00	8.6041E-01	1.0652E+01	3.8982E-00	2.7327E-00	3.1577E-01	1.9780E+03
2.0000E+01	2.7360E+01	3.6359E-00	8.5181E-01	1.1565E+01	4.0074E-00	2.8859E-00	2.8323E-01	2.1647E+03
2.1000E+01	2.8540E+01	3.5034E-00	8.4294E-01	1.2512E+01	4.1093E-00	3.0448E-00	2.5401E-01	2.3515E+03
2.2000E+01	2.9740E+01	3.3726E-00	8.3345E-01	1.3501E+01	4.2053E-00	3.2106E-00	2.2766E-01	2.5394E+03
2.3000E+01	3.0950E+01	3.2483E-00	8.2370E-01	1.4524E+01	4.2947E-00	3.3819E-00	2.0417E-01	2.7263E+03
2.4000E+01	3.2180E+01	3.1259E-00	8.1333E-01	1.5588E+01	4.3787E-00	3.5599E-00	1.8311E-01	2.9131E+03
2.5000E+01	3.3420E+01	3.0096E-00	8.0270E-01	1.6682E+01	4.4569E-00	3.7430E-00	1.6442E-01	3.0979E+03
2.6000E+01	3.4690E+01	2.8920E-00	7.9110E-01	1.7825E+01	4.5309E-00	3.9340E-00	1.4759E-01	3.2831E+03
2.7000E+01	3.5970E+01	2.7805E-00	7.7928E-01	1.8996E+01	4.5997E-00	4.1297E-00	1.3271E-01	3.4655E+03
2.8000E+01	3.7270E+01	2.6719E-00	7.6689E-01	2.0202E+01	4.6642E-00	4.3313E-00	1.1945E-01	3.6461E+03
2.9000E+01	3.8590E+01	2.5664E-00	7.5397E-01	2.1443E+01	4.7246E-00	4.5386E-00	1.0766E-01	3.8245E+03
3.0000E+01	3.9930E+01	2.4641E-00	7.4055E-01	2.2716E+01	4.7811E-00	4.7512E-00	9.7168E-02	4.0005E+03
3.1000E+01	4.1300E+01	2.3629E-00	7.2634E-01	2.4028E+01	4.8344E-00	4.9703E-00	8.7777E-02	4.1749E+03
3.2000E+01	4.2700E+01	2.2634E-00	7.1140E-01	2.5378E+01	4.8845E-00	5.1956E-00	7.9383E-02	4.3474E+03
3.3000E+01	4.4130E+01	2.1662E-00	6.9581E-01	2.6762E+01	4.9317E-00	5.4266E-00	7.1890E-02	4.5175E+03
3.4000E+01	4.5600E+01	2.0699E-00	6.7933E-01	2.8187E+01	4.9762E-00	5.6644E-00	6.5164E-02	4.6861E+03
3.5000E+01	4.7110E+01	1.9754E-00	6.6208E-01	2.9649E+01	5.0182E-00	5.9083E-00	5.9139E-02	4.8525E+03
3.6000E+01	4.8670E+01	1.8817E-00	6.4388E-01	3.1154E+01	5.0579E-00	6.1593E-00	5.3719E-02	5.0175E+03
3.7000E+01	5.0300E+01	1.7872E-00	6.2434E-01	3.2714E+01	5.0959E-00	6.4197E-00	4.8801E-02	5.1823E+03
3.8000E+01	5.2010E+01	1.6920E-00	6.0342E-01	3.4334E+01	5.1322E-00	6.6898E-00	4.4336E-02	5.3469E+03
3.9000E+01	5.3820E+01	1.5959E-00	5.8093E-01	3.6021E+01	5.1671E-00	6.9714E-00	4.0266E-02	5.5121E+03
4.0000E+01	5.5790E+01	1.4950E-00	5.5581E-01	3.7820E+01	5.2012E-00	7.2714E-00	3.6481E-02	5.6816E+03
4.1000E+01	5.7990E+01	1.3875E-00	5.2727E-01	3.9771E+01	5.2353E-00	7.5968E-00	3.2913E-02	5.8582E+03
4.2000E+01	6.0630E+01	1.2647E-00	4.9232E-01	4.2017E+01	5.2711E-00	7.9713E-00	2.9381E-02	6.0529E+03
4.3000E+01	6.4680E+01	1.0888E-00	4.3780E-01	4.5219E+01	5.3166E-00	8.5051E-00	2.5202E-02	6.3163E+03
4.3188E+01	6.7111E+01	9.8981E-01	4.0477E-01	4.6975E+01	5.3393E-00	8.7980E-00	2.3255E-02	6.4542E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 7.0$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{sec^2 - O_R}$
.0000E-99	8.2130E-00	7.0000E-00	9.5258E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	8.8500E-00	6.8108E-00	9.5010E-01	1.1864E-00	1.1297E-00	1.0502E-00	9.9949E-01	8.7356E-01
2.0000E-00	9.5300E-00	6.6303E-00	9.4756E-01	1.4003E-00	1.2704E-00	1.1022E-00	9.9612E-01	6.6663E-00
3.0000E-00	1.0250E+01	6.4588E-00	9.4497E-01	1.6434E-00	1.4209E-00	1.1566E-00	9.8763E-01	2.1343E+01
4.0000E-00	1.1020E+01	6.2783E-00	9.4203E-01	1.9221E-00	1.5820E-00	1.2150E-00	9.7221E-01	4.8355E+01
5.0000E-00	1.1830E+01	6.0995E-00	9.3889E-01	2.2359E-00	1.7503E-00	1.2774E-00	9.4901E-01	8.9805E+01
6.0000E-00	1.2670E+01	5.9312E-00	9.3571E-01	2.5835E-00	1.9224E-00	1.3438E-00	9.1820E-01	1.4643E+02
7.0000E-00	1.3550E+01	5.7573E-00	9.3216E-01	2.9714E-00	2.0987E-00	1.4158E-00	8.7989E-01	2.1955E+02
8.0000E-00	1.4470E+01	5.5757E-00	9.2814E-01	3.4026E-00	2.2776E-00	1.4939E-00	8.3494E-01	3.0954E+02
9.0000E-00	1.5410E+01	5.4065E-00	9.2408E-01	3.8698E-00	2.4538E-00	1.5770E-00	7.8565E-01	4.1396E+02
1.0000E+01	1.6380E+01	5.2361E-00	9.1965E-01	4.3796E-00	2.6280E-00	1.6665E-00	7.3299E-01	5.3302E+02
1.1000E+01	1.7380E+01	5.0632E-00	9.1476E-01	4.9341E-00	2.7990E-00	1.7628E-00	6.7841E-01	6.6581E+02
1.2000E+01	1.8400E+01	4.8961E-00	9.0962E-01	5.5291E-00	2.9642E-00	1.8652E-00	6.2379E-01	8.0983E+02
1.3000E+01	1.9450E+01	4.7248E-00	9.0388E-01	6.1719E-00	3.1245E-00	1.9753E-00	5.6976E-01	9.6529E+02
1.4000E+01	2.0510E+01	4.5656E-00	8.9807E-01	6.8511E-00	3.2765E-00	2.0909E-00	5.1824E-01	1.1279E+03
1.5000E+01	2.1600E+01	4.4013E-00	8.9154E-01	7.5803E-00	3.4227E-00	2.2146E-00	4.6891E-01	1.2995E+03
1.6000E+01	2.2700E+01	4.2470E-00	8.8485E-01	8.3468E-00	3.5604E-00	2.3443E-00	4.2311E-01	1.4759E+03
1.7000E+01	2.3820E+01	4.0946E-00	8.7766E-01	9.1576E-00	3.6909E-00	2.4811E-00	3.8064E-01	1.6574E+03
1.8000E+01	2.4960E+01	3.9442E-00	8.6992E-01	1.0013E+01	3.8142E-00	2.6251E-00	3.4160E-01	1.8431E+03
1.9000E+01	2.6110E+01	3.8018E-00	8.6196E-01	1.0905E+01	3.9296E-00	2.7751E-00	3.0628E-01	2.0304E+03
2.0000E+01	2.7280E+01	3.6609E-00	8.5340E-01	1.1842E+01	4.0384E-00	2.9325E-00	2.7423E-01	2.2201E+03
2.1000E+01	2.8460E+01	3.5272E-00	8.4458E-01	1.2815E+01	4.1398E-00	3.0956E-00	2.4552E-01	2.4098E+03
2.2000E+01	2.9660E+01	3.3951E-00	8.3514E-01	1.3832E+01	4.2351E-00	3.2660E-00	2.1969E-01	2.6005E+03
2.3000E+01	3.0870E+01	3.2695E-00	8.2542E-01	1.4883E+01	4.3240E-00	3.4420E-00	1.9672E-01	2.7901E+03
2.4000E+01	3.2100E+01	3.1459E-00	8.1508E-01	1.5976E+01	4.4073E-00	3.6249E-00	1.7617E-01	2.9794E+03
2.5000E+01	3.3350E+01	3.0246E-00	8.0411E-01	1.7110E+01	4.4855E-00	3.8146E-00	1.5782E-01	3.1681E+03
2.6000E+01	3.4610E+01	2.9095E-00	7.9289E-01	1.8275E+01	4.5582E-00	4.0094E-00	1.4161E-01	3.3542E+03
2.7000E+01	3.5890E+01	2.7970E-00	7.8108E-01	1.9479E+01	4.6263E-00	4.2105E-00	1.2717E-01	3.5387E+03
2.8000E+01	3.7190E+01	2.6873E-00	7.6869E-01	2.0720E+01	4.6901E-00	4.4178E-00	1.1432E-01	3.7214E+03
2.9000E+01	3.8510E+01	2.5807E-00	7.5576E-01	2.1996E+01	4.7498E-00	4.6310E-00	1.0291E-01	3.9018E+03
3.0000E+01	3.9850E+01	2.4774E-00	7.4234E-01	2.3305E+01	4.8057E-00	4.8496E-00	9.2786E-02	4.0797E+03
3.1000E+01	4.1220E+01	2.3752E+00	7.2811E-01	2.4656E+01	4.8583E-00	5.0750E-00	8.3730E-02	4.2559E+03
3.2000E+01	4.2620E+01	2.2747E-00	7.1314E-01	2.6044E+01	4.9077E-00	5.3068E-00	7.5647E-02	4.4301E+03
3.3000E+01	4.4050E+01	2.1766E-00	6.9751E-01	2.7469E+01	4.9542E-00	5.5445E-00	6.8441E-02	4.6019E+03
3.4000E+01	4.5510E+01	2.0812E-00	6.8131E-01	2.8925E+01	4.9978E-00	5.7875E-00	6.2021E-02	4.7709E+03
3.5000E+01	4.7020E+01	1.9857E-00	6.6400E-01	3.0430E+01	5.0392E-00	6.0386E-00	5.6235E-02	4.9389E+03
3.6000E+01	4.8580E+01	1.8910E-00	6.4574E-01	3.1979E+01	5.0784E-00	6.2970E-00	5.1036E-02	5.1054E+03
3.7000E+01	5.0210E+01	1.7955E-00	6.2611E-01	3.3586E+01	5.1158E-00	6.5651E-00	4.6324E-02	5.2717E+03
3.8000E+01	5.1910E+01	1.7007E-00	6.0538E-01	3.5244E+01	5.1514E-00	6.8417E-00	4.2073E-02	5.4368E+03
3.9000E+01	5.3720E+01	1.6035E-00	5.8276E-01	3.6983E+01	5.1857E-00	7.1317E-00	3.8178E-02	5.6035E+03
4.0000E+01	5.5680E+01	1.5026E-00	5.5775E-01	3.8827E+01	5.2192E-00	7.4393E-00	3.4575E-02	5.7736E+03
4.1000E+01	5.7860E+01	1.3956E-00	5.2947E-01	4.0821E+01	5.2524E-00	7.7718E-00	3.1193E-02	5.9503E+03
4.2000E+01	6.0450E+01	1.2746E-00	4.9523E-01	4.3095E+01	5.2871E-00	8.1510E-00	2.7873E-02	6.1434E+03
4.3000E+01	6.4280E+01	1.1069E-00	4.4364E-01	4.6233E+01	5.3299E-00	8.6743E-00	2.4050E-02	6.3965E+03
4.4254E+01	6.7129E+01	9.9007E-01	4.0486E-01	4.8364E+01	5.3562E-00	9.0296E-00	2.1861E-02	6.5603E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 7.1$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S}{ft^2}$ $\sec^2 - R$
.0000E-99	8.0970E-00	7.1000E-00	9.5380E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	8.7300E-00	6.9116E-00	9.5144E-01	1.1881E-00	1.1308E-00	1.0506E-00	9.9947E-01	8.9603E-01
2.0000E-00	9.4100E-00	6.7271E-00	9.4895E-01	1.4054E-00	1.2737E-00	1.1033E-00	9.9599E-01	6.8856E-00
3.0000E-00	1.0140E+01	6.5380E-00	9.4619E-01	1.6562E-00	1.4285E-00	1.1593E-00	9.8705E-01	2.2351E+01
4.0000E-00	1.0910E+01	6.3554E-00	9.4331E-01	1.9400E-00	1.5919E-00	1.2186E-00	9.7103E-01	5.0431E+01
5.0000E-00	1.1710E+01	6.1881E-00	9.4048E-01	2.2559E-00	1.7606E-00	1.2813E-00	9.4736E-01	9.2777E+01
6.0000E-00	1.2560E+01	6.0052E-00	9.3714E-01	2.6145E-00	1.9370E-00	1.3497E-00	9.1526E-01	1.5193E+02
7.0000E-00	1.3440E+01	5.8297E-00	9.3367E-01	3.0104E-00	2.1156E-00	1.4229E-00	8.7589E-01	2.2738E+02
8.0000E-00	1.4360E+01	5.6463E-00	9.2974E-01	3.4508E-00	2.2966E-00	1.5025E-00	8.2985E-01	3.2004E+02
9.0000E-00	1.5310E+01	5.4647E-00	9.2551E-01	3.9335E-00	2.4765E-00	1.5882E-00	7.7897E-01	4.2860E+02
1.0000E+01	1.6280E+01	5.2930E-00	9.2117E-01	4.4551E-00	2.6523E-00	1.6796E-00	7.2537E-01	5.5093E+02
1.1000E+01	1.7290E+01	5.1088E-00	9.1609E-01	5.0283E-00	2.8263E-00	1.7790E-00	6.6947E-01	6.8856E+02
1.2000E+01	1.8310E+01	4.9407E-00	9.1103E-01	5.6377E-00	2.9925E-00	1.8839E-00	6.1429E-01	8.3617E+02
1.3000E+01	1.9360E+01	4.7680E-00	9.0538E-01	6.2963E-00	3.1536E-00	1.9965E-00	5.5990E-01	9.9526E+02
1.4000E+01	2.0430E+01	4.5993E-00	8.9934E-01	6.9992E-00	3.3075E-00	2.1161E-00	5.0773E-01	1.1630E+03
1.5000E+01	2.1510E+01	4.4415E-00	8.9319E-01	7.7401E-00	3.4527E-00	2.2417E-00	4.5887E-01	1.3367E+03
1.6000E+01	2.2620E+01	4.2784E-00	8.8625E-01	8.5334E-00	3.5917E-00	2.3758E-00	4.1282E-01	1.5181E+03
1.7000E+01	2.3740E+01	4.1248E-00	8.7913E-01	9.3653E-00	3.7221E-00	2.5161E-00	3.7065E-01	1.7031E+03
1.8000E+01	2.4880E+01	3.9730E-00	8.7146E-01	1.0243E+01	3.8452E-00	2.6638E-00	3.3200E-01	1.8920E+03
1.9000E+01	2.6030E+01	3.8292E-00	8.6355E-01	1.1159E+01	3.9603E-00	2.8178E-00	2.9712E-01	2.0825E+03
2.0000E+01	2.7200E+01	3.6870E-00	8.5504E-01	1.2121E+01	4.0685E-00	2.9792E-00	2.6556E-01	2.2752E+03
2.1000E+01	2.8380E+01	3.5519E-00	8.4627E-01	1.3120E+01	4.1695E-00	3.1467E-00	2.3736E-01	2.4678E+03
2.2000E+01	2.9580E+01	3.4185E-00	8.3687E-01	1.4164E+01	4.2642E-00	3.3216E-00	2.1205E-01	2.6613E+03
2.3000E+01	3.0800E+01	3.2872E-00	8.2683E-01	1.5253E+01	4.3531E-00	3.5038E-00	1.8942E-01	2.8550E+03
2.4000E+01	3.2030E+01	3.1626E-00	8.1652E-01	1.6376E+01	4.4358E-00	3.6918E-00	1.6938E-01	3.0468E+03
2.5000E+01	3.3270E+01	3.0441E-00	8.0593E-01	1.7532E+01	4.5126E-00	3.8851E-00	1.5167E-01	3.2363E+03
2.6000E+01	3.4540E+01	2.9242E-00	7.9437E-01	1.8739E+01	4.5852E-00	4.0868E-00	1.3579E-01	3.4261E+03
2.7000E+01	3.5820E+01	2.8107E-00	7.8257E-01	1.9976E+01	4.6526E-00	4.2936E-00	1.2179E-01	3.6128E+03
2.8000E+01	3.7120E+01	2.7001E-00	7.7019E-01	2.1252E+01	4.7157E-00	4.5067E-00	1.0937E-01	3.7975E+03
2.9000E+01	3.8440E+01	2.5926E-00	7.5726E-01	2.2564E+01	4.7746E-00	4.7258E-00	9.8345E-02	3.9798E+03
3.0000E+01	3.9780E+01	2.4885E-00	7.4382E-01	2.3910E+01	4.8298E-00	4.9506E-00	8.8570E-02	4.1595E+03
3.1000E+01	4.1150E+01	2.3854E-00	7.2958E-01	2.5299E+01	4.8817E-00	5.1824E-00	7.9845E-02	4.3374E+03
3.2000E+01	4.2550E+01	2.2841E-00	7.1459E-01	2.6727E+01	4.9305E-00	5.4207E-00	7.2068E-02	4.5133E+03
3.3000E+01	4.3970E+01	2.1873E-00	6.9927E-01	2.8182E+01	4.9760E-00	5.6635E-00	6.5188E-02	4.6854E+03
3.4000E+01	4.5440E+01	2.0892E-00	6.8270E-01	2.9690E+01	5.0193E-00	5.9152E-00	5.8981E-02	4.8572E+03
3.5000E+01	4.6940E+01	1.9946E-00	6.6566E-01	3.1229E+01	5.0598E-00	6.1719E-00	5.3468E-02	5.0255E+03
3.6000E+01	4.8500E+01	1.8991E-00	6.4734E-01	3.2822E+01	5.0984E-00	6.4378E-00	4.8484E-02	5.1935E+03
3.7000E+01	5.0120E+01	1.8041E-00	6.2793E-01	3.4466E+01	5.1350E-00	6.7120E-00	4.3996E-02	5.3601E+03
3.8000E+01	5.1820E+01	1.7083E-00	6.0710E-01	3.6173E+01	5.1701E-00	6.9967E-00	3.9926E-02	5.5267E+03
3.9000E+01	5.3620E+01	1.6113E-00	5.8464E-01	3.7954E+01	5.2037E-00	7.2937E-00	3.6219E-02	5.6939E+03
4.0000E+01	5.5560E+01	1.5113E-00	5.5998E-01	3.9834E+01	5.2363E-00	7.6073E-00	3.2806E-02	5.8638E+03
4.1000E+01	5.7730E+01	1.4038E-00	5.3171E-01	4.1880E+01	5.2690E-00	7.9484E-00	2.9582E-02	6.0413E+03
4.2000E+01	6.0280E+01	1.2841E-00	4.9801E-01	4.4190E+01	5.3026E-00	8.3336E-00	2.6449E-02	6.2334E+03
4.3000E+01	6.3950E+01	1.1220E-00	4.4850E-01	4.7302E+01	5.3433E-00	8.8526E-00	2.2915E-02	6.4794E+03
4.3318E+01	6.7146E+01	9.9035E-01	4.0496E-01	4.9773E+01	5.3724E-00	9.2646E-00	2.0563E-02	6.6653E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 7.2$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{\frac{ft^2}{sec^2} - O_R}$
.0000E-99	7.9840E-00	7.2000E-00	9.5499E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	8.6200E-00	7.0014E-00	9.5259E-01	1.1919E-00	1.1334E-00	1.0516E-00	9.9944E-01	9.4645E-01
2.0000E-00	9.3000E-00	6.8135E-00	9.5014E-01	1.4128E-00	1.2784E-00	1.1051E-00	9.9580E-01	7.2061E-00
3.0000E-00	1.0030E+01	6.6215E-00	9.4743E-01	1.6678E-00	1.4355E-00	1.1618E-00	9.8651E-01	2.3293E+01
4.0000E-00	1.0800E+01	6.4367E-00	9.4462E-01	1.9568E-00	1.6012E-00	1.2220E-00	9.6991E-01	5.2412E+01
5.0000E-00	1.1610E+01	6.2543E-00	9.4162E-01	2.2828E-00	1.7743E-00	1.2865E-00	9.4512E-01	9.6850E+01
6.0000E-00	1.2460E+01	6.0702E-00	9.3836E-01	2.6487E-00	1.9531E-00	1.3561E-00	9.1198E-01	1.5809E+02
7.0000E-00	1.3340E+01	5.8937E-00	9.3497E-01	3.0530E-00	2.1338E-00	1.4307E-00	8.7151E-01	2.3598E+02
8.0000E-00	1.4260E+01	5.7090E-00	9.3112E-01	3.5029E-00	2.3169E-00	1.5118E-00	8.2435E-01	3.3145E+02
9.0000E-00	1.5210E+01	5.5260E-00	9.2698E-01	3.9962E-00	2.4986E-00	1.5993E-00	7.7242E-01	4.4309E+02
1.0000E+01	1.6190E+01	5.3424E-00	9.2245E-01	4.5352E-00	2.6778E-00	1.6936E-00	7.1735E-01	5.7002E+02
1.1000E+01	1.7190E+01	5.1668E-00	9.1774E-01	5.1159E-00	2.8513E-00	1.7942E-00	6.6126E-01	7.0974E+02
1.2000E+01	1.8220E+01	4.9875E-00	9.1249E-01	5.7458E-00	3.0202E-00	1.9024E-00	6.0499E-01	8.6235E+02
1.3000E+01	1.9270E+01	4.8133E-00	9.0691E-01	6.4204E-00	3.1820E-00	2.0176E-00	5.5026E-01	1.0250E+03
1.4000E+01	2.0340E+01	4.6429E-00	9.0095E-01	7.1404E-00	3.3364E-00	2.1401E-00	4.9795E-01	1.1964E+03
1.5000E+01	2.1430E+01	4.4757E-00	8.9457E-01	7.9068E-00	3.4832E-00	2.2699E-00	4.4868E-01	1.3752E+03
1.6000E+01	2.2540E+01	4.3113E-00	8.8770E-01	8.7203E-00	3.6223E-00	2.4073E-00	4.0283E-01	1.5602E+03
1.7000E+01	2.3660E+01	4.1563E-00	8.8064E-01	9.5735E-00	3.7526E-00	2.5511E-00	3.6097E-01	1.7484E+03
1.8000E+01	2.4800E+01	4.0031E-00	8.7303E-01	1.0474E+01	3.8754E-00	2.7026E-00	3.2272E-01	1.9407E+03
1.9000E+01	2.5960E+01	3.8520E-00	8.6484E-01	1.1422E+01	3.9911E-00	2.8619E-00	2.8802E-01	2.1359E+03
2.0000E+01	2.7130E+01	3.7087E-00	8.5638E-01	1.2409E+01	4.0988E-00	3.0276E-00	2.5697E-01	2.3316E+03
2.1000E+01	2.8310E+01	3.5725E-00	8.4765E-01	1.3435E+01	4.1991E-00	3.1995E-00	2.2931E-01	2.5270E+03
2.2000E+01	2.9510E+01	3.4380E-00	8.3829E-01	1.4507E+01	4.2933E-00	3.3791E-00	2.0454E-01	2.7232E+03
2.3000E+01	3.0730E+01	3.3056E-00	8.2829E-01	1.5625E+01	4.3815E-00	3.5662E-00	1.8243E-01	2.9195E+03
2.4000E+01	3.1960E+01	3.1799E-00	8.1800E-01	1.6779E+01	4.4635E-00	3.7591E-00	1.6290E-01	3.1137E+03
2.5000E+01	3.3200E+01	3.0604E-00	8.0744E-01	1.7966E+01	4.5396E-00	3.9577E-00	1.4568E-01	3.3055E+03
2.6000E+01	3.4470E+01	2.9395E-00	7.9590E-01	1.9206E+01	4.6114E-00	4.1649E-00	1.3025E-01	3.4976E+03
2.7000E+01	3.5750E+01	2.8250E-00	7.8410E-01	2.0478E+01	4.6781E-00	4.3773E-00	1.1669E-01	3.6863E+03
2.8000E+01	3.7050E+01	2.7134E-00	7.7173E-01	2.1788E+01	4.7405E-00	4.5963E-00	1.0466E-01	3.8729E+03
2.9000E+01	3.8370E+01	2.6050E-00	7.5880E-01	2.3137E+01	4.7987E-00	4.8214E-00	9.4012E-02	4.0571E+03
3.0000E+01	3.9710E+01	2.5000E-00	7.4535E-01	2.4521E+01	4.8532E-00	5.0525E-00	8.4579E-02	4.2386E+03
3.1000E+01	4.1080E+01	2.3960E-00	7.3109E-01	2.5948E+01	4.9044E-00	5.2907E-00	7.6172E-02	4.4182E+03
3.2000E+01	4.2470E+01	2.2962E-00	7.1642E-01	2.7406E+01	4.9522E-00	5.5340E+00	6.8738E-02	4.5945E+03
3.3000E+01	4.3900E+01	2.1963E-00	7.0073E-01	2.8912E+01	4.9974E-00	5.7854E-00	6.2075E-02	4.7694E+03
3.4000E+01	4.5360E+01	2.0992E-00	6.8445E-01	3.0453E+01	5.0398E-00	6.0425E-00	5.6153E-02	4.9414E+03
3.5000E+01	4.6870E+01	2.0020E-00	6.6705E-01	3.2045E+01	5.0800E-00	6.3081E-00	5.0828E-02	5.1124E+03
3.6000E+01	4.8420E+01	1.9074E-00	6.4897E-01	3.3674E+01	5.1178E-00	6.5799E-00	4.6082E-02	5.2806E+03
3.7000E+01	5.0040E+01	1.8115E-00	6.2950E-01	3.5366E+01	5.1538E-00	6.8620E-00	4.1783E-02	5.4487E+03
3.8000E+01	5.1730E+01	1.7162E-00	6.0887E-01	3.7112E+01	5.1881E-00	7.1532E-00	3.7910E-02	5.6156E+03
3.9000E+01	5.3520E+01	1.6194E-00	5.8656E-01	3.8934E+01	5.2210E-00	7.4572E-00	3.4381E-02	5.7833E+03
4.0000E+01	5.5460E+01	1.5183E-00	5.6175E-01	4.0871E+01	5.2532E-00	7.7801E-00	3.1114E-02	5.9546E+03
4.1000E+01	5.7610E+01	1.4114E-00	5.3378E-01	4.2958E+01	5.2851E-00	8.1282E-00	2.8058E-02	6.1320E+03
4.2000E+01	6.0130E+01	1.2925E-00	5.0043E-01	4.5312E+01	5.3179E-00	8.5206E-00	2.5093E-02	6.3237E+03
4.3000E+01	6.3660E+01	1.1356E-00	4.5283E-01	4.8406E+01	5.3566E-00	9.0367E-00	2.1820E-02	6.5635E+03
4.3379E+01	6.7163E+01	9.9059E-01	4.0504E-01	5.1203E+01	5.3881E-00	9.5029E-00	1.9355E-02	6.7692E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 7.3$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{\text{ft}^2 \text{ sec}^2 - ^\circ R}$
.0000E-99	7.8730E-00	7.3000E-00	9.5615E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	8.5100E-00	7.0963E-00	9.5377E-01	1.1948E-00	1.1353E-00	1.0523E-00	9.9942E-01	9.8590E-01
2.0000E-00	9.1900E-00	6.9047E-00	9.5135E-01	1.4191E-00	1.2824E-00	1.1065E-00	9.9564E-01	7.4883E-00
3.0000E-00	9.9200E-00	6.7096E-00	9.4870E-01	1.6784E-00	1.4417E-00	1.1641E-00	9.8601E-01	2.4165E+01
4.0000E-00	1.0690E+01	6.5224E-00	9.4595E-01	1.9725E-00	1.6099E-00	1.2252E-00	9.6885E-01	5.4288E+01
5.0000E-00	1.1500E+01	6.3380E-00	9.4303E-01	2.3045E-00	1.7854E-00	1.2907E-00	9.4329E-01	1.0017E+02
6.0000E-00	1.2350E+01	6.1520E-00	9.3984E-01	2.6774E-00	1.9665E-00	1.3614E-00	9.0922E-01	1.6330E+02
7.0000E-00	1.3240E+01	5.9611E-00	9.3629E-01	3.0945E-00	2.1515E-00	1.4382E-00	8.6722E-01	2.4446E+02
8.0000E-00	1.4160E+01	5.7750E-00	9.3253E-01	3.5539E-00	2.3365E-00	1.5209E-00	8.1896E-01	3.4271E+02
9.0000E-00	1.5120E+01	5.5791E-00	9.2822E-01	4.0633E-00	2.5220E-00	1.6111E-00	7.6544E-01	4.5867E+02
1.0000E+01	1.6100E+01	5.3943E-00	9.2377E-01	4.6145E-00	2.7026E-00	1.7074E-00	7.0947E-01	5.8899E+02
1.1000E+01	1.7100E+01	5.2175E-00	9.1914E-01	5.2086E-00	2.8774E-00	1.8101E-00	6.5266E-01	7.3219E+02
1.2000E+01	1.8130E+01	5.0366E-00	9.1397E-01	5.8533E-00	3.0472E-00	1.9208E-00	5.9588E-01	8.8837E+02
1.3000E+01	1.9190E+01	4.8518E-00	9.0818E-01	6.5506E-00	3.2113E-00	2.0398E-00	5.4034E-01	1.0562E+03
1.4000E+01	2.0260E+01	4.6802E-00	9.0230E-01	7.2883E-00	3.3661E-00	2.1652E-00	4.8795E-01	1.2312E+03
1.5000E+01	2.1350E+01	4.5116E-00	8.9599E-01	8.0737E-00	3.5131E-00	2.2981E-00	4.3876E-01	1.4136E+03
1.6000E+01	2.2460E+01	4.3457E-00	8.8919E-01	8.9075E-00	3.6521E-00	2.4389E-00	3.9313E-01	1.6020E+03
1.7000E+01	2.3580E+01	4.1893E-00	8.8220E-01	9.7822E-00	3.7823E-00	2.5863E-00	3.5160E-01	1.7936E+03
1.8000E+01	2.4730E+01	4.0281E-00	8.7432E-01	1.0714E+01	3.9059E-00	2.7430E-00	3.1344E-01	1.9907E+03
1.9000E+01	2.5880E+01	3.8818E-00	8.6651E-01	1.1678E+01	4.0201E-00	2.9049E-00	2.7951E-01	2.1873E+03
2.0000E+01	2.7050E+01	3.7370E-00	8.5811E-01	1.2691E+01	4.1274E-00	3.0748E-00	2.4895E-01	2.3860E+03
2.1000E+01	2.8240E+01	3.5940E-00	8.4908E-01	1.3752E+01	4.2280E-00	3.2527E-00	2.2158E-01	2.5859E+03
2.2000E+01	2.9440E+01	3.4584E-00	8.3976E-01	1.4853E+01	4.3215E-00	3.4369E-00	1.9733E-01	2.7847E+03
2.3000E+01	3.0660E+01	3.3248E-00	8.2979E-01	1.6000E+01	4.4091E-00	3.6289E-00	1.7575E-01	2.9835E+03
2.4000E+01	3.1890E+01	3.1979E-00	8.1953E-01	1.7184E+01	4.4903E-00	3.8270E-00	1.5672E-01	3.1802E+03
2.5000E+01	3.3140E+01	3.0734E-00	8.0863E-01	1.8414E+01	4.5664E-00	4.0325E-00	1.3983E-01	3.3758E+03
2.6000E+01	3.4400E+01	2.9554E-00	7.9746E-01	1.9677E+01	4.6369E-00	4.2436E-00	1.2498E-01	3.5684E+03
2.7000E+01	3.5680E+01	2.8399E-00	7.8568E-01	2.0983E+01	4.7029E-00	4.4618E-00	1.1183E-01	3.7592E+03
2.8000E+01	3.6980E+01	2.7272E-00	7.7331E-01	2.2329E+01	4.7645E-00	4.6866E-00	1.0019E-01	3.9478E+03
2.9000E+01	3.8300E+01	2.6178E-00	7.6038E-01	2.3715E+01	4.8221E-00	4.9179E-00	8.9904E-02	4.1338E+03
3.0000E+01	3.9640E+01	2.5119E-00	7.4692E-01	2.5136E+01	4.8759E-00	5.1553E-00	8.0802E-02	4.3170E+03
3.1000E+01	4.1010E+01	2.4070E-00	7.3265E-01	2.6603E+01	4.9265E-00	5.4001E-00	7.2699E-02	4.4983E+03
3.2000E+01	4.2410E+01	2.3040E-00	7.1761E-01	2.8112E+01	4.9739E-00	5.6519E-00	6.5495E-02	4.6774E+03
3.3000E+01	4.3830E+01	2.2056E-00	7.0224E-01	2.9650E+01	5.0182E-00	5.9084E-00	5.9138E-02	4.8526E+03
3.4000E+01	4.5290E+01	2.1077E-00	6.8592E-01	3.1233E+01	5.0599E-00	6.1727E-00	5.3451E-02	5.0261E+03
3.5000E+01	4.6790E+01	2.0115E-00	6.6879E-01	3.2860E+01	5.0993E-00	6.4440E-00	4.8374E-02	5.1973E+03
3.6000E+01	4.8340E+01	1.9159E-00	6.5065E-01	3.4535E+01	5.1365E-00	6.7234E-00	4.3822E-02	5.3669E+03
3.7000E+01	4.9960E+01	1.8192E-00	6.3110E-01	3.6274E+01	5.1720E-00	7.0135E-00	3.9703E-02	5.5363E+03
3.8000E+01	5.1650E+01	1.7231E-00	6.1039E-01	3.8070E+01	5.2058E-00	7.3130E-00	3.5994E-02	5.7046E+03
3.9000E+01	5.3430E+01	1.6266E-00	5.8826E-01	3.9935E+01	5.2380E-00	7.6240E-00	3.2636E-02	5.8726E+03
4.0000E+01	5.5360E+01	1.5255E-00	5.6357E-01	4.1917E+01	5.2695E-00	7.9546E-00	2.9527E-02	6.0444E+03
4.1000E+01	5.7490E+01	1.4193E-00	5.3589E-01	4.4046E+01	5.3006E-00	8.3097E-00	2.6629E-02	6.2217E+03
4.2000E+01	5.9980E+01	1.3010E-00	5.0291E-01	4.6443E+01	5.3326E-00	8.7093E-00	2.3822E-02	6.4129E+03
4.3000E+01	6.3400E+01	1.1480E-00	4.5674E-01	4.9540E+01	5.3698E-00	9.2257E-00	2.0771E-02	6.6480E+03
4.3437E+01	6.7179E+01	9.9081E-01	4.0511E-01	5.2652E+01	5.4032E-00	9.7445E-00	1.8228E-02	6.8721E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 7.4$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{R}$
.0000E-99	7.7660E-00	7.4000E-00	9.5726E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	8.4000E-00	7.1965E-00	9.5496E-01	1.1966E-00	1.1366E-00	1.0528E-00	9.9941E-01	1.0121E-00
2.0000E-00	9.0800E-00	7.0009E-00	9.5259E-01	1.4244E-00	1.2858E-00	1.1077E-00	9.9550E-01	7.7297E-00
3.0000E-00	9.8100E-00	6.8025E-00	9.4999E-01	1.6879E-00	1.4474E-00	1.1661E-00	9.8556E-01	2.4959E+01
4.0000E-00	1.0580E+01	6.6127E-00	9.4730E-01	1.9870E-00	1.6179E-00	1.2281E-00	9.6786E-01	5.6051E+01
5.0000E-00	1.1400E+01	6.4118E-00	9.4422E-01	2.3292E-00	1.7979E-00	1.2955E-00	9.4117E-01	1.0402E+02
6.0000E-00	1.2250E+01	6.2244E-00	9.4111E-01	2.7094E-00	1.9813E-00	1.3674E-00	9.0610E-01	1.6918E+02
7.0000E-00	1.3140E+01	6.0320E-00	9.3764E-01	3.1349E-00	2.1685E-00	1.4456E-00	8.6302E-01	2.5278E+02
8.0000E-00	1.4070E+01	5.8321E-00	9.3372E-01	3.6091E-00	2.3576E-00	1.5308E-00	8.1313E-01	3.5497E+02
9.0000E-00	1.5020E+01	5.6464E-00	9.2975E-01	4.1240E-00	2.5429E-00	1.6218E-00	7.5915E-01	4.7283E+02
1.0000E+01	1.6010E+01	5.4488E-00	9.2513E-01	4.6931E-00	2.7268E-00	1.7210E-00	7.0173E-01	6.0781E+02
1.1000E+01	1.7020E+01	5.2603E-00	9.2030E-01	5.3069E-00	2.9045E-00	1.8271E-00	6.4367E-01	7.5599E+02
1.2000E+01	1.8050E+01	5.0784E-00	9.1521E-01	5.9667E-00	3.0752E-00	1.9402E-00	5.8644E-01	9.1579E+02
1.3000E+01	1.9100E+01	4.9013E-00	9.0979E-01	6.6737E-00	3.2383E-00	2.0608E-00	5.3115E-01	1.0857E+03
1.4000E+01	2.0180E+01	4.7192E-00	9.0369E-01	7.4361E-00	3.3950E-00	2.1902E-00	4.7819E-01	1.2659E+03
1.5000E+01	2.1270E+01	4.5492E-00	8.9744E-01	8.2406E-00	3.5422E-00	2.3263E-00	4.2911E-01	1.4517E+03
1.6000E+01	2.2380E+01	4.3817E-00	8.9072E-01	9.0949E-00	3.6813E-00	2.4705E-00	3.8372E-01	1.6436E+03
1.7000E+01	2.3510E+01	4.2166E-00	8.8346E-01	9.9995E-00	3.8124E-00	2.6228E-00	3.4218E-01	1.8402E+03
1.8000E+01	2.4650E+01	4.0607E-00	8.7597E-01	1.0946E+01	3.9346E-00	2.7820E-00	3.0478E-01	2.0388E+03
1.9000E+01	2.5810E+01	3.9067E-00	8.6789E-01	1.1943E+01	4.0494E-00	2.9494E-00	2.7103E-01	2.2402E+03
2.0000E+01	2.6980E+01	3.7606E-00	8.5953E-01	1.2982E+01	4.1562E-00	3.1237E-00	2.4100E-01	2.4417E+03
2.1000E+01	2.8170E+01	3.6164E-00	8.5054E-01	1.4071E+01	4.2562E-00	3.3061E-00	2.1415E-01	2.6444E+03
2.2000E+01	2.9370E+01	3.4795E-00	8.4126E-01	1.5200E+01	4.3491E-00	3.4951E-00	1.9043E-01	2.8458E+03
2.3000E+01	3.0590E+01	3.3447E-00	8.3133E-01	1.6378E+01	4.4359E-00	3.6921E-00	1.6935E-01	3.0471E+03
2.4000E+01	3.1820E+01	3.2167E-00	8.2110E-01	1.7593E+01	4.5165E-00	3.8953E-00	1.5081E-01	3.2461E+03
2.5000E+01	3.3070E+01	3.0910E-00	8.1022E-01	1.8855E+01	4.5918E-00	4.1062E-00	1.3438E-01	3.4440E+03
2.6000E+01	3.4340E+01	2.9681E-00	7.9871E-01	2.0162E+01	4.6622E-00	4.3247E-00	1.1986E-01	3.6402E+03
2.7000E+01	3.5620E+01	2.8518E-00	7.8694E-01	2.1503E+01	4.7274E-00	4.5486E-00	1.0713E-01	3.8330E+03
2.8000E+01	3.6920E+01	2.7384E-00	7.7457E-01	2.2886E+01	4.7883E-00	4.7795E-00	9.5877E-02	4.0234E+03
2.9000E+01	3.8240E+01	2.6282E-00	7.6164E-01	2.4308E+01	4.8452E-00	5.0170E-00	8.5938E-02	4.2112E+03
3.0000E+01	3.9580E+01	2.5215E-00	7.4818E-01	2.5769E+01	4.8983E-00	5.2608E-00	7.7162E-02	4.3961E+03
3.1000E+01	4.0950E+01	2.4159E-00	7.3390E-01	2.7275E+01	4.9481E-00	5.5123E-00	6.9361E-02	4.5790E+03
3.2000E+01	4.2340E+01	2.3145E-00	7.1919E-01	2.8815E+01	4.9946E-00	5.7691E-00	6.2478E-02	4.7583E+03
3.3000E+01	4.3760E+01	2.2152E-00	7.0378E-01	3.0394E+01	5.0383E-00	6.0326E-00	5.6365E-02	4.9350E+03
3.4000E+01	4.5220E+01	2.1165E-00	6.8743E-01	3.2022E+01	5.0794E-00	6.3042E-00	5.0903E-02	5.1099E+03
3.5000E+01	4.6720E+01	2.0194E-00	6.7025E-01	3.3693E+01	5.1182E-00	6.5830E-00	4.6032E-02	5.2825E+03
3.6000E+01	4.8270E+01	1.9231E-00	6.5206E-01	3.5415E+01	5.1548E-00	6.8701E-00	4.1668E-02	5.4534E+03
3.7000E+01	4.9880E+01	1.8267E-00	6.3396E-01	3.7198E+01	5.1895E-00	7.1615E-00	3.7477E-02	5.6211E+03
3.8000E+01	5.1560E+01	1.7314E-00	6.1523E-01	3.9027E+01	5.2226E-00	7.4576E-00	3.3421E-02	5.7917E+03
3.9000E+01	5.3350E+01	1.6328E-00	5.9597E-01	4.0956E+01	5.2546E-00	7.7542E-00	3.0081E-02	5.9620E+03
4.0000E+01	5.5260E+01	1.5329E-00	5.7543E-01	4.2974E+01	5.2853E-00	8.0630E-00	2.7037E-02	6.1333E+03
4.1000E+01	5.7300E+01	1.4264E-00	5.5378E-01	4.5155E+01	5.3158E-00	8.3845E-00	2.4276E-02	6.3112E+03
4.2000E+01	5.9480E+01	1.3091E-00	5.3052E-01	4.7593E+01	5.3469E-00	8.7111E-00	2.1777E-02	6.4951E+03
4.3000E+01	6.1810E+01	1.1817E-00	5.0696E-01	5.0296E+01	5.3826E-00	9.0484E-00	1.9777E-02	6.6827E+03
4.3494E+01	6.4294E+01	1.0488E-01	4.8320E-01	5.3121E+01	5.4178E-00	9.3959E-00	1.7777E-02	6.8740E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 7.5$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{sec^2 \cdot ^\circ R}$
.0000E-99	7.6620E-00	7.5000E-00	9.5831E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	8.3000E-00	7.2839E-00	9.5596E-01	1.2008E-00	1.1394E-00	1.0538E-00	9.9937E-01	1.0728E-00
2.0000E-00	8.9800E-00	7.0850E-00	9.5363E-01	1.4322E-00	1.2907E-00	1.1095E-00	9.9529E-01	8.0913E-00
3.0000E-00	9.7100E-00	6.8840E-00	9.5108E-01	1.7001E-00	1.4546E-00	1.1687E-00	9.8496E-01	2.5998E+01
4.0000E-00	1.0480E+01	6.6924E-00	9.4845E-01	2.0045E-00	1.6274E-00	1.2316E-00	9.6665E-01	5.8201E+01
5.0000E-00	1.1300E+01	6.4895E-00	9.4544E-01	2.3530E-00	1.8098E-00	1.3000E-00	9.3913E-01	1.0776E+02
6.0000E-00	1.2160E+01	6.2867E-00	9.4217E-01	2.7451E-00	1.9977E-00	1.3740E-00	9.0261E-01	1.7581E+02
7.0000E-00	1.3050E+01	6.0933E-00	9.3878E-01	3.1793E-00	2.1870E-00	1.4536E-00	8.5840E-01	2.6199E+02
8.0000E-00	1.3980E+01	5.8921E-00	9.3493E-01	3.6633E-00	2.3780E-00	1.5404E-00	8.0739E-01	3.6711E+02
9.0000E-00	1.4940E+01	5.6934E-00	9.3078E-01	4.1950E-00	2.5669E-00	1.6342E-00	7.5183E-01	4.8946E+02
1.0000E+01	1.5920E+01	5.5060E-00	9.2651E-01	4.7708E-00	2.7504E-00	1.7345E-00	6.9414E-01	6.2647E+02
1.1000E+01	1.6930E+01	5.3158E-00	9.2177E-01	5.3983E-00	2.9293E-00	1.8428E-00	6.3542E-01	7.7813E+02
1.2000E+01	1.7970E+01	5.1221E-00	9.1647E-01	6.0797E-00	3.1026E-00	1.9595E-00	5.7718E-01	9.4308E+02
1.3000E+01	1.9030E+01	4.9344E-00	9.1084E-01	6.8104E-00	3.2678E-00	2.0840E-00	5.2117E-01	1.1182E+03
1.4000E+01	2.0100E+01	4.7600E-00	9.0510E-01	7.5838E-00	3.4234E-00	2.2152E-00	4.6869E-01	1.3004E+03
1.5000E+01	2.1200E+01	4.5802E-00	8.9862E-01	8.4152E-00	3.5720E-00	2.3558E-00	4.1930E-01	1.4914E+03
1.6000E+01	2.2310E+01	4.4115E-00	8.9196E-01	9.2905E-00	3.7110E-00	2.5035E-00	3.7421E-01	1.6867E+03
1.7000E+01	2.3440E+01	4.2452E-00	8.8476E-01	1.0217E+01	3.8418E-00	2.6595E-00	3.3305E-01	1.8866E+03
1.8000E+01	2.4580E+01	4.0880E-00	8.7733E-01	1.1188E+01	3.9637E-00	2.8226E-00	2.9611E-01	2.0883E+03
1.9000E+01	2.5740E+01	3.9326E-00	8.6930E-01	1.2210E+01	4.0780E-00	2.9942E-00	2.6286E-01	2.2927E+03
2.0000E+01	2.6920E+01	3.7794E-00	8.6065E-01	1.3285E+01	4.1851E-00	3.1743E-00	2.3311E-01	2.4988E+03
2.1000E+01	2.8110E+01	3.6343E-00	8.5170E-01	1.4401E+01	4.2844E-00	3.3614E-00	2.0681E-01	2.7042E+03
2.2000E+01	2.9310E+01	3.4964E-00	8.4245E-01	1.5560E+01	4.3766E-00	3.5552E-00	1.8363E-01	2.9082E+03
2.3000E+01	3.0530E+01	3.3606E-00	8.3255E-01	1.6768E+01	4.4627E-00	3.7573E-00	1.6308E-01	3.1119E+03
2.4000E+01	3.1760E+01	3.2317E-00	8.2234E-01	1.8015E+01	4.5425E-00	3.9658E-00	1.4503E-01	3.3132E+03
2.5000E+01	3.3010E+01	3.1051E-00	8.1149E-01	1.9310E+01	4.6171E-00	4.1822E-00	1.2907E-01	3.5132E+03
2.6000E+01	3.4270E+01	2.9851E-00	8.0035E-01	2.0641E+01	4.6862E-00	4.4046E-00	1.1509E-01	3.7100E+03
2.7000E+01	3.5560E+01	2.8641E-00	7.8823E-01	2.2028E+01	4.7512E-00	4.6362E-00	1.0265E-01	3.9062E+03
2.8000E+01	3.6860E+01	2.7499E-00	7.7587E-01	2.3447E+01	4.8114E-00	4.8732E-00	9.1774E-02	4.0985E+03
2.9000E+01	3.8180E+01	2.6389E-00	7.6294E-01	2.4908E+01	4.8676E-00	5.1171E-00	8.2178E-02	4.2880E+03
3.0000E+01	3.9520E+01	2.5314E-00	7.4948E-01	2.6407E+01	4.9200E-00	5.3673E-00	7.3716E-02	4.4745E+03
3.1000E+01	4.0880E+01	2.4276E-00	7.3553E-01	2.7943E+01	4.9688E-00	5.6236E-00	6.6253E-02	4.6576E+03
3.2000E+01	4.2280E+01	2.3230E-00	7.2045E-01	2.9535E+01	5.0150E-00	5.8893E-00	5.9582E-02	4.8397E+03
3.3000E+01	4.3700E+01	2.2229E-00	7.0502E-01	3.1157E+01	5.0580E-00	6.1599E-00	5.3708E-02	5.0179E+03
3.4000E+01	4.5160E+01	2.1236E-00	6.8864E-01	3.2829E+01	5.0986E-00	6.4388E-00	4.8465E-02	5.1941E+03
3.5000E+01	4.6650E+01	2.0277E-00	6.7175E-01	3.4534E+01	5.1365E-00	6.7233E-00	4.3823E-02	5.3669E+03
3.6000E+01	4.8200E+01	1.9306E-00	6.5351E-01	3.6303E+01	5.1726E-00	7.0183E-00	3.9639E-02	5.5391E+03
3.7000E+01	4.9810E+01	1.8338E-00	6.3413E-01	3.8129E+01	5.2068E-00	7.3228E-00	3.5881E-02	5.7100E+03
3.8000E+01	5.1490E+01	1.7373E-00	6.1355E-01	4.0016E+01	5.2393E-00	7.6375E-00	3.2501E-02	5.8798E+03
3.9000E+01	5.3260E+01	1.6403E-00	5.9149E-01	4.1976E+01	5.2704E-00	7.9644E-00	2.9442E-02	6.0494E+03
4.0000E+01	5.5170E+01	1.5395E-00	5.6708E-01	4.4051E+01	5.3007E-00	8.3104E-00	2.6624E-02	6.2220E+03
4.1000E+01	5.7270E+01	1.4338E-00	5.3978E-01	4.6273E+01	5.3304E-00	8.6810E-00	2.4006E-02	6.3996E+03
4.2000E+01	5.9710E+01	1.3166E-00	5.0739E-01	4.8763E+01	5.3608E-00	9.0962E-00	2.1482E-02	6.5903E+03
4.3000E+01	6.2950E+01	1.1700E-00	4.6361E-01	5.1886E+01	5.3953E-00	9.6168E-00	1.8812E-02	6.8180E+03
4.3548E+01	6.7209E+01	9.9129E-01	4.0528E-01	5.5611E+01	5.4319E-00	1.0237E+01	1.6197E-02	7.0749E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 7.6$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{\text{sec}^2 \cdot ^\circ \text{R}}$
.0000E-99	7.5610E-00	7.6000E-00	9.5933E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	8.2000E-00	7.3761E-00	9.5699E-01	1.2041E-00	1.1417E-00	1.0547E-00	9.9934E-01	1.1212E-00
2.0000E-00	8.8800E-00	7.1737E-00	9.5469E-01	1.4390E-00	1.2951E-00	1.1111E-00	9.9510E-01	8.4175E-00
3.0000E-00	9.6100E-00	6.9699E-00	9.5219E-01	1.7113E-00	1.4612E-00	1.1711E-00	9.8440E-01	2.6970E+01
4.0000E-00	1.0390E+01	6.7603E-00	9.4941E-01	2.0251E-00	1.6386E-00	1.2358E-00	9.6519E-01	6.0782E+01
5.0000E-00	1.1200E+01	6.5711E-00	9.4669E-01	2.3756E-00	1.8212E-00	1.3044E-00	9.3715E-01	1.1137E+02
6.0000E-00	1.2060E+01	6.3663E-00	9.4349E-01	2.7750E-00	2.0114E-00	1.3796E-00	8.9966E-01	1.8143E+02
7.0000E-00	1.2960E+01	6.1577E-00	9.3994E-01	3.2227E-00	2.2050E-00	1.4615E-00	8.5386E-01	2.7108E+02
8.0000E-00	1.3890E+01	5.9551E-00	9.3618E-01	3.7167E-00	2.3979E-00	1.5499E-00	8.0176E-01	3.7912E+02
9.0000E-00	1.4850E+01	5.7549E-00	9.3211E-01	4.2595E-00	2.5885E-00	1.6455E-00	7.4521E-01	5.0463E+02
1.0000E+01	1.5840E+01	5.5545E-00	9.2765E-01	4.8538E-00	2.7753E-00	1.7489E-00	6.8610E-01	6.4645E+02
1.1000E+01	1.6850E+01	5.3631E-00	9.2299E-01	5.4953E-00	2.9552E-00	1.8594E-00	6.2677E-01	8.0165E+02
1.2000E+01	1.7890E+01	5.1680E-00	9.1777E-01	6.1923E-00	3.1293E-00	1.9788E-00	5.6813E-01	9.7022E+02
1.3000E+01	1.8950E+01	4.9786E-00	9.1221E-01	6.9398E-00	3.2951E-00	2.1060E-00	5.1192E-01	1.1490E+03
1.4000E+01	2.0030E+01	4.7937E-00	9.0625E-01	7.7387E-00	3.4524E-00	2.2415E-00	4.5895E-01	1.3364E+03
1.5000E+01	2.1130E+01	4.6126E-00	8.9984E-01	8.5902E-00	3.6011E-00	2.3854E-00	4.0975E-01	1.5309E+03
1.6000E+01	2.2240E+01	4.4427E-00	8.9324E-01	9.4866E-00	3.7399E-00	2.5365E-00	3.6497E-01	1.7295E+03
1.7000E+01	2.3370E+01	4.2750E-00	8.8610E-01	1.0436E+01	3.8705E-00	2.6963E-00	3.2422E-01	1.9327E+03
1.8000E+01	2.4520E+01	4.1096E-00	8.7839E-01	1.1439E+01	3.9930E-00	2.8648E-00	2.8744E-01	2.1394E+03
1.9000E+01	2.5680E+01	3.9533E-00	8.7041E-01	1.2487E+01	4.1068E-00	3.0407E-00	2.5472E-01	2.3467E+03
2.0000E+01	2.6850E+01	3.8049E-00	8.6214E-01	1.3579E+01	4.2124E-00	3.2237E-00	2.2575E-01	2.5539E+03
2.1000E+01	2.8040E+01	3.6584E-00	8.5324E-01	1.4724E+01	4.3111E-00	3.4154E-00	1.9997E-01	2.7619E+03
2.2000E+01	2.9250E+01	3.5140E-00	8.4368E-01	1.5922E+01	4.4034E-00	3.6158E-00	1.7712E-01	2.9702E+03
2.3000E+01	3.0470E+01	3.3772E-00	8.3380E-01	1.7161E+01	4.4888E-00	3.8230E-00	1.5707E-01	3.1763E+03
2.4000E+01	3.1700E+01	3.2474E-00	8.2363E-01	1.8440E+01	4.5679E-00	4.0368E-00	1.3951E-01	3.3798E+03
2.5000E+01	3.2950E+01	3.1198E-00	8.1279E-01	1.9768E+01	4.6417E-00	4.2588E-00	1.2400E-01	3.5820E+03
2.6000E+01	3.4220E+01	2.9950E-00	8.0131E-01	2.1145E+01	4.7106E-00	4.4888E-00	1.1034E-01	3.7823E+03
2.7000E+01	3.5500E+01	2.8770E-00	7.8956E-01	2.2557E+01	4.7743E-00	4.7246E-00	9.8401E-02	3.9788E+03
2.8000E+01	3.6800E+01	2.7618E-00	7.7721E-01	2.4013E+01	4.8338E-00	4.9678E-00	8.7879E-02	4.1729E+03
2.9000E+01	3.8120E+01	2.6500E-00	7.6427E-01	2.5512E+01	4.8893E-00	5.2180E-00	7.8612E-02	4.3641E+03
3.0000E+01	3.9460E+01	2.5417E-00	7.5081E-01	2.7051E+01	4.9410E-00	5.4748E-00	7.0451E-02	4.5522E+03
3.1000E+01	4.0820E+01	2.4371E-00	7.3685E-01	2.8628E+01	4.9892E-00	5.7379E-00	6.3263E-02	4.7369E+03
3.2000E+01	4.2220E+01	2.3317E-00	7.2175E-01	3.0262E+01	5.0348E-00	6.0106E-00	5.6844E-02	4.9205E+03
3.3000E+01	4.3640E+01	2.2310E-00	7.0630E-01	3.1927E+01	5.0771E-00	6.2884E-00	5.1199E-02	5.1000E+03
3.4000E+01	4.5090E+01	2.1329E-00	6.9022E-01	3.3632E+01	5.1168E-00	6.5728E-00	4.6197E-02	5.2763E+03
3.5000E+01	4.6590E+01	2.0343E-00	6.7296E-01	3.5395E+01	5.1545E-00	6.8669E-00	4.1713E-02	5.4516E+03
3.6000E+01	4.8130E+01	1.9382E-00	6.5499E-01	3.7200E+01	5.1898E-00	7.1680E-00	3.7727E-02	5.6239E+03
3.7000E+01	4.9740E+01	1.8407E-00	6.3555E-01	3.9076E+01	5.2235E-00	7.4807E-00	3.4127E-02	5.7960E+03
3.8000E+01	5.1410E+01	1.7448E-00	6.1518E-01	4.1002E+01	5.2553E-00	7.8021E-00	3.0908E-02	5.9660E+03
3.9000E+01	5.3180E+01	1.6469E-00	5.9303E-01	4.3017E+01	5.2859E-00	8.1380E-00	2.7978E-02	6.1369E+03
4.0000E+01	5.5080E+01	1.5462E-00	5.6876E-01	4.5138E+01	5.3155E-00	8.4918E-00	2.5296E-02	6.3099E+03
4.1000E+01	5.7170E+01	1.4404E-00	5.4155E-01	4.7413E+01	5.3447E-00	8.8710E-00	2.2802E-02	6.4879E+03
4.2000E+01	5.9590E+01	1.3236E-00	5.0938E-01	4.9954E+01	5.3744E-00	9.2946E-00	2.0405E-02	6.6785E+03
4.3000E+01	6.2750E+01	1.1799E-00	4.6670E-01	5.3092E+01	5.4077E-00	9.8179E-00	1.7904E-02	6.9029E+03
4.3600E+01	6.7223E+01	9.9152E-01	4.0535E-01	5.7120E+01	5.4455E-00	1.0489E+01	1.5281E-02	7.1748E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 7.7$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{ft^2}{sec^2 \cdot ^\circ R}$
.0000E-99	7.4620E-00	7.7000E-00	9.6032E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	8.1000E-00	7.4732E-00	9.5803E-01	1.2066E-00	1.1433E-00	1.0553E-00	9.9932E-01	1.1579E-00
2.0000E-00	8.7800E-00	7.2670E-00	9.5577E-01	1.4449E-00	1.2988E-00	1.1125E-00	9.9494E-01	8.7044E-00
3.0000E-00	9.5100E-00	7.0601E-00	9.5332E-01	1.7215E-00	1.4672E-00	1.1733E-00	9.8388E-01	2.7871E+01
4.0000E-00	1.0290E+01	6.8479E-00	9.5060E-01	2.0405E-00	1.6470E-00	1.2388E-00	9.6409E-01	6.2747E+01
5.0000E-00	1.1110E+01	6.6415E-00	9.4772E-01	2.4017E-00	1.8341E-00	1.3094E-00	9.3485E-01	1.1558E+02
6.0000E-00	1.1970E+01	6.4354E-00	9.4460E-01	2.8087E-00	2.0266E-00	1.3858E-00	8.9632E-01	1.8782E+02
7.0000E-00	1.2870E+01	6.2253E-00	9.4113E-01	3.2651E-00	2.2224E-00	1.4691E-00	8.4942E-01	2.8005E+02
8.0000E-00	1.3800E+01	6.0212E-00	9.3744E-01	3.7690E-00	2.4172E-00	1.5592E-00	7.9624E-01	3.9098E+02
9.0000E-00	1.4770E+01	5.8070E-00	9.3320E-01	4.3290E-00	2.6115E-00	1.6576E-00	7.3812E-01	5.2104E+02
1.0000E+01	1.5760E+01	5.6053E-00	9.2882E-01	4.9362E-00	2.7996E-00	1.7631E-00	6.7821E-01	6.6631E+02
1.1000E+01	1.6770E+01	5.4127E-00	9.2423E-01	5.5918E-00	2.9806E-00	1.8760E-00	6.1829E-01	8.2504E+02
1.2000E+01	1.7810E+01	5.2159E-00	9.1910E-01	6.3044E-00	3.1555E-00	1.9979E-00	5.5927E-01	9.9720E+02
1.3000E+01	1.8880E+01	5.0151E-00	9.1332E-01	7.0762E-00	3.3233E-00	2.1292E-00	5.0237E-01	1.1813E+03
1.4000E+01	1.9960E+01	4.8290E-00	9.0743E-01	7.8938E-00	3.4809E-00	2.2677E-00	4.4946E-01	1.3722E+03
1.5000E+01	2.1060E+01	4.6465E-00	9.0108E-01	8.7654E-00	3.6295E-00	2.4149E-00	4.0047E-01	1.5703E+03
1.6000E+01	2.2170E+01	4.4752E-00	8.9455E-01	9.6832E-00	3.7683E-00	2.5696E-00	3.5601E-01	1.7722E+03
1.7000E+01	2.3300E+01	4.3060E-00	8.8747E-01	1.0655E+01	3.8986E-00	2.7332E-00	3.1567E-01	1.9786E+03
1.8000E+01	2.4450E+01	4.1391E-00	8.7982E-01	1.1683E+01	4.0207E-00	2.9057E-00	2.7935E-01	2.1883E+03
1.9000E+01	2.5610E+01	3.9812E-00	8.7189E-01	1.2757E+01	4.1340E-00	3.0858E-00	2.4713E-01	2.3986E+03
2.0000E+01	2.6790E+01	3.8254E-00	8.6333E-01	1.3885E+01	4.2399E-00	3.2749E-00	2.1844E-01	2.6103E+03
2.1000E+01	2.7980E+01	3.6778E-00	8.5446E-01	1.5059E+01	4.3380E-00	3.4714E-00	1.9320E-01	2.8210E+03
2.2000E+01	2.9190E+01	3.5323E-00	8.4493E-01	1.6286E+01	4.4295E-00	3.6767E-00	1.7087E-01	3.0318E+03
2.3000E+01	3.0410E+01	3.3945E-00	8.3509E-01	1.7556E+01	4.5142E-00	3.8892E-00	1.5133E-01	3.2402E+03
2.4000E+01	3.1640E+01	3.2636E-00	8.2494E-01	1.8868E+01	4.5925E-00	4.1084E-00	1.3423E-01	3.4460E+03
2.5000E+01	3.2890E+01	3.1350E-00	8.1413E-01	2.0230E+01	4.6656E-00	4.3360E-00	1.1917E-01	3.6502E+03
2.6000E+01	3.4160E+01	3.0092E-00	8.0266E-01	2.1642E+01	4.7338E-00	4.5718E-00	1.0592E-01	3.8525E+03
2.7000E+01	3.5440E+01	2.8902E-00	7.9092E-01	2.3090E+01	4.7968E-00	4.8137E-00	9.4353E-02	4.0509E+03
2.8000E+01	3.6740E+01	2.7742E-00	7.7858E-01	2.4584E+01	4.8556E-00	5.0631E-00	8.4178E-02	4.2467E+03
2.9000E+01	3.8060E+01	2.6615E-00	7.6564E-01	2.6122E+01	4.9104E-00	5.3198E-00	7.5228E-02	4.4396E+03
3.0000E+01	3.9400E+01	2.5523E-00	7.5217E-01	2.7701E+01	4.9614E-00	5.5833E-00	6.7356E-02	4.6293E+03
3.1000E+01	4.0770E+01	2.4444E-00	7.3785E-01	2.9331E+01	5.0093E-00	5.8552E-00	6.0384E-02	4.8168E+03
3.2000E+01	4.2160E+01	2.3407E-00	7.2309E-01	3.0996E+01	5.0539E-00	6.1330E-00	5.4255E-02	5.0005E+03
3.3000E+01	4.3580E+01	2.2392E-00	7.0761E-01	3.2705E+01	5.0957E-00	6.4182E-00	4.8828E-02	5.1813E+03
3.4000E+01	4.5030E+01	2.1405E-00	6.9150E-01	3.4455E+01	5.1348E-00	6.7101E-00	4.4025E-02	5.3590E+03
3.5000E+01	4.6530E+01	2.0412E-00	6.7420E-01	3.6265E+01	5.1719E-00	7.0120E-00	3.9723E-02	5.5355E+03
3.6000E+01	4.8070E+01	1.9444E-00	6.5619E-01	3.8118E+01	5.2066E-00	7.3210E-00	3.5902E-02	5.7090E+03
3.7000E+01	4.9670E+01	1.8477E-00	6.3699E-01	4.0032E+01	5.2396E-00	7.6402E-00	3.2474E-02	5.8812E+03
3.8000E+01	5.1340E+01	1.7511E-00	6.1656E-01	4.2011E+01	5.2710E-00	7.9702E-00	2.9391E-02	6.0524E+03
3.9000E+01	5.3110E+01	1.6524E-00	5.9432E-01	4.4080E+01	5.3011E-00	8.3152E-00	2.6587E-02	6.2244E+03
4.0000E+01	5.5000E+01	1.5521E-00	5.7021E-01	4.6248E+01	5.3301E-00	8.6767E-00	2.4034E-02	6.3976E+03
4.1000E+01	5.7080E+01	1.4463E-00	5.4311E-01	4.8574E+01	5.3586E-00	9.0647E-00	2.1660E-02	6.5761E+03
4.2000E+01	5.9470E+01	1.3307E-00	5.1141E-01	5.1155E+01	5.3876E-00	9.4949E-00	1.9394E-02	6.7658E+03
4.3000E+01	6.2570E+01	1.1890E-00	4.6949E-01	5.4326E+01	5.4198E-00	1.0023E+01	1.7038E-02	6.9880E+03
4.3651E+01	6.7237E+01	9.9175E-01	4.0543E-01	5.8649E+01	5.4586E-00	1.0744E+01	1.4425E-02	7.2737E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 7.8$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S}{ft^2}$ $\frac{sec^2}{sec^2 \cdot ^\circ R}$
.0000E-99	7.3660E-00	7.8000E-00	9.6127E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	8.0000E-00	7.5754E-00	9.5909E-01	1.2081E-00	1.1443E-00	1.0557E-00	9.9931E-01	1.1817E-00
2.0000E-00	8.6900E-00	7.3466E-00	9.5666E-01	1.4536E-00	1.3043E-00	1.1144E-00	9.9469E-01	9.1344E-00
3.0000E-00	9.4200E-00	7.1375E-00	9.5426E-01	1.7347E-00	1.4749E-00	1.1761E-00	9.8320E-01	2.9057E+01
4.0000E-00	1.0200E+01	6.9234E-00	9.5160E-01	2.0591E-00	1.6571E-00	1.2426E-00	9.6273E-01	6.5161E+01
5.0000E-00	1.1020E+01	6.7155E-00	9.4878E-01	2.4268E-00	1.8466E-00	1.3142E-00	9.3261E-01	1.1970E+02
6.0000E-00	1.1880E+01	6.5079E-00	9.4573E-01	2.8414E-00	2.0413E-00	1.3919E-00	8.9305E-01	1.9408E+02
7.0000E-00	1.2780E+01	6.2961E-00	9.4233E-01	3.3066E-00	2.2392E-00	1.4766E-00	8.4506E-01	2.8887E+02
8.0000E-00	1.3720E+01	6.0771E-00	9.3848E-01	3.8261E-00	2.4380E-00	1.5693E-00	7.9023E-01	4.0397E+02
9.0000E-00	1.4680E+01	5.8742E-00	9.3457E-01	4.3918E-00	2.6319E-00	1.6686E-00	7.3176E-01	5.3590E+02
1.0000E+01	1.5680E+01	5.6586E-00	9.3002E-01	5.0179E-00	2.8233E-00	1.7772E-00	6.7045E-01	6.8604E+02
1.1000E+01	1.6700E+01	5.4533E-00	9.2523E-01	5.6945E-00	3.0071E-00	1.8936E-00	6.0938E-01	8.4993E+02
1.2000E+01	1.7740E+01	5.2554E-00	9.2017E-01	6.4232E-00	3.1826E-00	2.0181E-00	5.5005E-01	1.0257E+03
1.3000E+01	1.8800E+01	5.0631E-00	9.1476E-01	7.2049E-00	3.3494E-00	2.1510E-00	4.9356E-01	1.2116E+03
1.4000E+01	1.9890E+01	4.8658E-00	9.0864E-01	8.0490E-00	3.5087E-00	2.2940E-00	4.4021E-01	1.4079E+03
1.5000E+01	2.0990E+01	4.6818E-00	9.0236E-01	8.9408E-00	3.6574E-00	2.4445E-00	3.9144E-01	1.6094E+03
1.6000E+01	2.2110E+01	4.5010E-00	8.9557E-01	9.8888E-00	3.7971E-00	2.6042E-00	3.4694E-01	1.8165E+03
1.7000E+01	2.3240E+01	4.3307E-00	8.8855E-01	1.0884E+01	3.9271E-00	2.7716E-00	3.0705E-01	2.0261E+03
1.8000E+01	2.4390E+01	4.1627E-00	8.8094E-01	1.1937E+01	4.0487E-00	2.9483E-00	2.7125E-01	2.2388E+03
1.9000E+01	2.5550E+01	4.0037E-00	8.7306E-01	1.3036E+01	4.1614E-00	3.1327E-00	2.3956E-01	2.4520E+03
2.0000E+01	2.6730E+01	3.8467E-00	8.6454E-01	1.4193E+01	4.2667E-00	3.3264E-00	2.1141E-01	2.6665E+03
2.1000E+01	2.7920E+01	3.6979E-00	8.5572E-01	1.5395E+01	4.3641E-00	3.5277E-00	1.8670E-01	2.8798E+03
2.2000E+01	2.9130E+01	3.5513E-00	8.4623E-01	1.6653E+01	4.4549E-00	3.7381E-00	1.6489E-01	3.0929E+03
2.3000E+01	3.0350E+01	3.4123E-00	8.3642E-01	1.7955E+01	4.5389E-00	3.9558E-00	1.4583E-01	3.3037E+03
2.4000E+01	3.1590E+01	3.2759E-00	8.2593E-01	1.9310E+01	4.6171E-00	4.1823E-00	1.2907E-01	3.5133E+03
2.5000E+01	3.2840E+01	3.1466E-00	8.1514E-01	2.0707E+01	4.6895E-00	4.4157E-00	1.1445E-01	3.7195E+03
2.6000E+01	3.4100E+01	3.0239E-00	8.0405E-01	2.2143E+01	4.7563E-00	4.6555E-00	1.0170E-01	3.9221E+03
2.7000E+01	3.5380E+01	2.9039E-00	7.9232E-01	2.3628E+01	4.8187E-00	4.9035E-00	9.0503E-02	4.1224E+03
2.8000E+01	3.6690E+01	2.7836E-00	7.7962E-01	2.5172E+01	4.8772E-00	5.1612E-00	8.0591E-02	4.3215E+03
2.9000E+01	3.8000E+01	2.6733E-00	7.6705E-01	2.6737E+01	4.9308E-00	5.4224E-00	7.2017E-02	4.5145E+03
3.0000E+01	3.9350E+01	2.5605E-00	7.5321E-01	2.8369E+01	4.9816E-00	5.6947E-00	6.4370E-02	4.7071E+03
3.1000E+01	4.0710E+01	2.4545E-00	7.3923E-01	3.0028E+01	5.0285E-00	5.9716E-00	5.7704E-02	4.8947E+03
3.2000E+01	4.2100E+01	2.3500E-00	7.2446E-01	3.1736E+01	5.0725E-00	6.2566E-00	5.1805E-02	5.0798E+03
3.3000E+01	4.3520E+01	2.2478E-00	7.0895E-01	3.3490E+01	5.1137E-00	6.5492E-00	4.6587E-02	5.2619E+03
3.4000E+01	4.4970E+01	2.1483E-00	6.9281E-01	3.5286E+01	5.1522E-00	6.8486E-00	4.1974E-02	5.4409E+03
3.5000E+01	4.6470E+01	2.0483E-00	6.7548E-01	3.7143E+01	5.1887E-00	7.1585E-00	3.7845E-02	5.6186E+03
3.6000E+01	4.8010E+01	1.9508E-00	6.5742E-01	3.9045E+01	5.2230E-00	7.4756E-00	3.4182E-02	5.7933E+03
3.7000E+01	4.9610E+01	1.8535E-00	6.3817E-01	4.1009E+01	5.2554E-00	7.8032E-00	3.0897E-02	5.9666E+03
3.8000E+01	5.1270E+01	1.7575E-00	6.1796E-01	4.3029E+01	5.2861E-00	8.1399E-00	2.7962E-02	6.1379E+03
3.9000E+01	5.3030E+01	1.6593E-00	5.9592E-01	4.5141E+01	5.3156E-00	8.4922E-00	2.5293E-02	6.3101E+03
4.0000E+01	5.4920E+01	1.5581E-00	5.7170E-01	4.7368E+01	5.3441E-00	8.8635E-00	2.2848E-02	6.4845E+03
4.1000E+01	5.6990E+01	1.4523E-00	5.4471E-01	4.9747E+01	5.3721E-00	9.2601E-00	2.0587E-02	6.6633E+03
4.2000E+01	5.9360E+01	1.3372E-00	5.1326E-01	5.2377E+01	5.4004E-00	9.6987E-00	1.8435E-02	6.8528E+03
4.3000E+01	6.2400E+01	1.1976E-00	4.7216E-01	5.5578E+01	5.4316E-00	1.0232E+01	1.6217E-02	7.0727E+03
4.3699E+01	6.7250E+01	9.9196E-01	4.0550E-01	6.0198E+01	5.4712E-00	1.1002E+01	1.3625E-02	7.3716E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 7.9$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2}$ $\frac{sec^2}{R}$
.0000E-99	7.2720E-00	7.9000E-00	9.6220E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	7.9100E-00	7.6627E-00	9.5996E-01	1.2122E-00	1.1471E-00	1.0567E-00	9.9927E-01	1.2475E-00
2.0000E-00	8.5900E-00	7.4492E-00	9.5778E-01	1.4577E-00	1.3068E-00	1.1154E-00	9.9457E-01	9.3399E-00
3.0000E-00	9.3300E-00	7.2188E-00	9.5522E-01	1.7470E-00	1.4821E-00	1.1787E-00	9.8256E-01	3.0184E+01
4.0000E-00	1.0110E+01	7.0026E-00	9.5261E-01	2.0769E-00	1.6666E-00	1.2461E-00	9.6143E-01	6.7489E+01
5.0000E-00	1.0930E+01	6.7930E-00	9.4986E-01	2.4510E-00	1.8585E-00	1.3188E-00	9.3044E-01	1.2370E+02
6.0000E-00	1.1800E+01	6.5687E-00	9.4665E-01	2.8782E-00	2.0577E-00	1.3987E-00	8.8936E-01	2.0120E+02
7.0000E-00	1.2700E+01	6.3560E-00	9.4332E-01	3.3525E-00	2.2576E-00	1.4849E-00	8.4023E-01	2.9871E+02
8.0000E-00	1.3640E+01	6.1356E-00	9.3955E-01	3.8824E-00	2.4583E-00	1.5792E-00	7.8432E-01	4.1686E+02
9.0000E-00	1.4610E+01	5.9186E-00	9.3546E-01	4.4659E-00	2.6558E-00	1.6815E-00	7.2429E-01	5.5351E+02
1.0000E+01	1.5600E+01	5.7143E-00	9.3124E-01	5.0989E-00	2.8465E-00	1.7912E-00	6.6284E-01	7.0563E+02
1.1000E+01	1.6620E+01	5.5072E-00	9.2654E-01	5.7900E-00	3.0313E-00	1.9100E-00	6.0123E-01	8.7303E+02
1.2000E+01	1.7670E+01	5.2968E-00	9.2127E-01	6.5417E-00	3.2093E-00	2.0383E-00	5.4102E-01	1.0541E+03
1.3000E+01	1.8740E+01	5.0931E-00	9.1564E-01	7.3487E-00	3.3780E-00	2.1754E-00	4.8393E-01	1.2454E+03
1.4000E+01	1.9820E+01	4.9042E-00	9.0988E-01	8.2042E-00	3.5359E-00	2.3202E-00	4.3119E-01	1.4434E+03
1.5000E+01	2.0920E+01	4.7186E-00	9.0366E-01	9.1164E-00	3.6846E-00	2.4741E-00	3.8266E-01	1.6483E+03
1.6000E+01	2.2040E+01	4.5361E-00	8.9694E-01	1.0086E+01	3.8242E-00	2.6374E-00	3.3851E-01	1.8587E+03
1.7000E+01	2.3180E+01	4.3565E-00	8.8965E-01	1.1114E+01	3.9549E-00	2.8102E-00	2.9871E-01	2.0733E+03
1.8000E+01	2.4330E+01	4.1873E-00	8.8210E-01	1.2192E+01	4.0760E-00	2.9911E-00	2.6342E-01	2.2891E+03
1.9000E+01	2.5500E+01	4.0205E-00	8.7393E-01	1.3328E+01	4.1891E-00	3.1815E-00	2.3201E-01	2.5069E+03
2.0000E+01	2.6670E+01	3.8689E-00	8.6579E-01	1.4502E+01	4.2928E-00	3.3782E-00	2.0465E-01	2.7223E+03
2.1000E+01	2.7870E+01	3.7131E-00	8.5666E-01	1.5744E+01	4.3904E-00	3.5861E-00	1.8027E-01	2.9399E+03
2.2000E+01	2.9080E+01	3.5657E-00	8.4719E-01	1.7033E+01	4.4804E-00	3.8016E-00	1.5899E-01	3.1555E+03
2.3000E+01	3.0300E+01	3.4259E-00	8.3741E-01	1.8367E+01	4.5636E-00	4.0247E-00	1.4043E-01	3.3685E+03
2.4000E+01	3.1530E+01	3.2932E-00	8.2731E-01	1.9745E+01	4.6405E-00	4.2549E-00	1.2425E-01	3.5785E+03
2.5000E+01	3.2780E+01	3.1628E-00	8.1654E-01	2.1176E+01	4.7121E-00	4.4940E-00	1.1005E-01	3.7867E+03
2.6000E+01	3.4050E+01	3.0352E-00	8.0510E-01	2.2660E+01	4.7787E-00	4.7418E-00	9.7600E-02	3.9929E+03
2.7000E+01	3.5330E+01	2.9144E-00	7.9339E-01	2.4182E+01	4.8403E-00	4.9960E-00	8.6761E-02	4.1949E+03
2.8000E+01	3.6630E+01	2.7967E-00	7.8105E-01	2.5753E+01	4.8977E-00	5.2581E-00	7.7251E-02	4.3941E+03
2.9000E+01	3.7950E+01	2.6824E-00	7.6812E-01	2.7370E+01	4.9511E-00	5.5280E-00	6.8909E-02	4.5902E+03
3.0000E+01	3.9290E+01	2.5717E-00	7.5464E-01	2.9030E+01	5.0008E-00	5.8051E-00	6.1590E-02	4.7829E+03
3.1000E+01	4.0660E+01	2.4623E-00	7.4029E-01	3.0745E+01	5.0474E-00	6.0911E-00	5.5122E-02	4.9733E+03
3.2000E+01	4.2050E+01	2.3572E-00	7.2550E-01	3.2497E+01	5.0908E-00	6.3834E-00	4.9448E-02	5.1596E+03
3.3000E+01	4.3470E+01	2.2544E-00	7.0998E-01	3.4295E+01	5.1314E-00	6.6835E-00	4.4435E-02	5.3431E+03
3.4000E+01	4.4920E+01	2.1543E-00	6.9382E-01	3.6137E+01	5.1693E-00	6.9906E-00	4.0007E-02	5.5232E+03
3.5000E+01	4.6410E+01	2.0556E-00	6.7678E-01	3.8030E+01	5.2050E-00	7.3063E-00	3.6072E-02	5.7009E+03
3.6000E+01	4.7950E+01	1.9574E-00	6.5868E-01	3.9981E+01	5.2388E-00	7.6317E-00	3.2559E-02	5.8767E+03
3.7000E+01	4.9540E+01	1.8609E-00	6.3968E-01	4.1984E+01	5.2705E-00	7.9658E-00	2.9429E-02	6.0501E+03
3.8000E+01	5.1210E+01	1.7628E-00	6.1911E-01	4.4069E+01	5.3009E-00	8.3134E-00	2.6601E-02	6.2235E+03
3.9000E+01	5.2960E+01	1.6652E-00	5.9728E-01	4.6225E+01	5.3298E-00	8.6729E-00	2.4060E-02	6.3958E+03
4.0000E+01	5.4840E+01	1.5642E-00	5.7322E-01	4.8499E+01	5.3577E-00	9.0521E-00	2.1732E-02	6.5704E+03
4.1000E+01	5.6900E+01	1.4585E-00	5.4633E-01	5.0930E+01	5.3852E-00	9.4575E-00	1.9577E-02	6.7496E+03
4.2000E+01	5.9250E+01	1.3439E-00	5.1514E-01	5.3610E+01	5.4128E-00	9.9043E-00	1.7533E-02	6.9388E+03
4.3000E+01	6.2240E+01	1.2059E-00	4.7468E-01	5.6849E+01	5.4431E-00	1.0444E+01	1.5440E-02	7.1570E+03
4.3746E+01	6.7263E+01	9.9216E-01	4.0557E-01	6.1768E+01	5.4835E-00	1.1264E+01	1.2876E-02	7.4686E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 8.0$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2}$ sec ² -°R
.0000E-99	7.1810E-00	8.0000E-00	9.6308E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	7.8200E-00	7.7544E-00	9.6085E-01	1.2156E-00	1.1494E-00	1.0576E-00	9.9924E-01	1.3014E-00
2.0000E-00	8.5000E-00	7.5375E-00	9.5870E-01	1.4646E-00	1.3112E-00	1.1169E-00	9.9436E-01	9.6957E-00
3.0000E-00	9.2400E-00	7.3040E-00	9.5619E-01	1.7584E-00	1.4887E-00	1.1811E-00	9.8195E-01	3.1247E+01
4.0000E-00	1.0020E+01	7.0857E-00	9.5364E-01	2.0937E-00	1.6756E-00	1.2494E-00	9.6018E-01	6.9724E+01
5.0000E-00	1.0850E+01	6.8579E-00	9.5073E-01	2.4790E-00	1.8721E-00	1.3241E-00	9.2790E-01	1.2840E+02
6.0000E-00	1.1710E+01	6.6479E-00	9.4782E-01	2.9090E-00	2.0713E-00	1.4043E-00	8.8624E-01	2.0721E+02
7.0000E-00	1.2620E+01	6.4187E-00	9.4433E-01	3.3975E-00	2.2756E-00	1.4930E-00	8.3548E-01	3.0844E+02
8.0000E-00	1.3560E+01	6.1970E-00	9.4063E-01	3.9380E-00	2.4781E-00	1.5890E-00	7.7851E-01	4.2963E+02
9.0000E-00	1.4530E+01	5.9784E-00	9.3663E-01	4.5331E-00	2.6771E-00	1.6932E-00	7.1755E-01	5.6954E+02
1.0000E+01	1.5530E+01	5.7601E-00	9.3222E-01	5.1859E-00	2.8710E-00	1.8062E-00	6.5476E-01	7.2668E+02
1.1000E+01	1.6550E+01	5.5519E-00	9.2759E-01	5.8918E-00	3.0568E-00	1.9274E-00	5.9266E-01	8.9768E+02
1.2000E+01	1.7600E+01	5.3400E-00	9.2239E-01	6.6599E-00	3.2353E-00	2.0584E-00	5.3218E-01	1.0823E+03
1.3000E+01	1.8670E+01	5.1346E-00	9.1683E-01	7.4848E-00	3.4044E-00	2.1985E-00	4.7503E-01	1.2773E+03
1.4000E+01	1.9760E+01	4.9346E-00	9.1084E-01	8.3676E-00	3.5639E-00	2.3478E-00	4.2195E-01	1.4806E+03
1.5000E+01	2.0860E+01	4.7480E-00	9.0469E-01	9.3008E-00	3.7125E-00	2.5052E-00	3.7371E-01	1.6889E+03
1.6000E+01	2.1980E+01	4.5642E-00	8.9802E-01	1.0293E+01	3.8518E-00	2.6722E-00	3.2996E-01	1.9026E+03
1.7000E+01	2.3120E+01	4.3833E-00	8.9079E-01	1.1345E+01	3.9821E-00	2.8490E-00	2.9064E-01	2.1203E+03
1.8000E+01	2.4270E+01	4.2128E-00	8.8328E-01	1.2448E+01	4.1028E-00	3.0341E-00	2.5586E-01	2.3391E+03
1.9000E+01	2.5440E+01	4.0446E-00	8.7516E-01	1.3611E+01	4.2153E-00	3.2290E-00	2.2498E-01	2.5597E+03
2.0000E+01	2.6620E+01	3.8856E-00	8.6672E-01	1.4824E+01	4.3192E-00	3.4320E-00	1.9793E-01	2.7796E+03
2.1000E+01	2.7810E+01	3.7347E-00	8.5797E-01	1.6085E+01	4.4152E-00	3.6431E-00	1.7428E-01	2.9979E+03
2.2000E+01	2.9020E+01	3.5860E-00	8.4855E-01	1.7405E+01	4.5046E-00	3.8638E-00	1.5349E-01	3.2158E+03
2.3000E+01	3.0240E+01	3.4450E-00	8.3880E-01	1.8771E+01	4.5870E-00	4.0922E-00	1.3540E-01	3.4311E+03
2.4000E+01	3.1480E+01	3.3065E-00	8.2836E-01	2.0194E+01	4.6638E-00	4.3300E-00	1.1954E-01	3.6449E+03
2.5000E+01	3.2730E+01	3.1752E-00	8.1761E-01	2.1661E+01	4.7346E-00	4.5749E-00	1.0575E-01	3.8551E+03
2.6000E+01	3.4000E+01	3.0468E-00	8.0619E-01	2.3181E+01	4.8006E-00	4.8288E-00	9.3688E-02	4.0631E+03
2.7000E+01	3.5280E+01	2.9253E-00	7.9448E-01	2.4741E+01	4.8614E-00	5.0892E-00	8.3200E-02	4.2668E+03
2.8000E+01	3.6580E+01	2.8069E-00	7.8215E-01	2.6351E+01	4.9181E-00	5.3579E-00	7.4011E-02	4.4676E+03
2.9000E+01	3.7900E+01	2.6918E-00	7.6922E-01	2.8008E+01	4.9708E-00	5.6345E-00	6.5959E-02	4.6653E+03
3.0000E+01	3.9240E+01	2.5805E-00	7.5574E-01	2.9710E+01	5.0199E-00	5.9186E-00	5.8904E-02	4.8594E+03
3.1000E+01	4.0610E+01	2.4703E-00	7.4138E-01	3.1468E+01	5.0658E-00	6.2117E-00	5.2676E-02	5.0512E+03
3.2000E+01	4.1990E+01	2.3670E-00	7.2693E-01	3.3251E+01	5.1083E-00	6.5092E-00	4.7255E-02	5.2375E+03
3.3000E+01	4.3410E+01	2.2634E-00	7.1139E-01	3.5075E+01	5.1483E-00	6.8169E-00	4.2432E-02	5.4222E+03
3.4000E+01	4.4860E+01	2.1625E-00	6.9519E-01	3.6984E+01	5.1857E-00	7.1319E-00	3.8176E-02	5.6036E+03
3.5000E+01	4.6360E+01	2.0613E-00	6.7778E-01	3.8938E+01	5.2211E-00	7.4578E-00	3.4374E-02	5.7836E+03
3.6000E+01	4.7890E+01	1.9642E-00	6.5996E-01	4.0926E+01	5.2541E-00	7.7893E-00	3.1027E-02	5.9594E+03
3.7000E+01	4.9480E+01	1.8670E-00	6.4092E-01	4.2981E+01	5.2854E-00	8.1320E-00	2.8027E-02	6.1339E+03
3.8000E+01	5.1150E+01	1.7683E-00	6.2028E-01	4.5119E+01	5.3153E-00	8.4886E-00	2.5318E-02	6.3083E+03
3.9000E+01	5.2900E+01	1.6700E-00	5.9838E-01	4.7331E+01	5.3437E-00	8.8574E-00	2.2886E-02	6.4817E+03
4.0000E+01	5.4770E+01	1.5695E-00	5.7451E-01	4.9653E+01	5.3711E-00	9.2445E-00	2.0670E-02	6.6564E+03
4.1000E+01	5.6820E+01	1.4639E-00	5.4775E-01	5.2137E+01	5.3979E-00	9.6586E-00	1.8618E-02	6.8358E+03
4.2000E+01	5.9150E+01	1.3499E-00	5.1684E-01	5.4866E+01	5.4249E-00	1.0113E+01	1.6677E-02	7.0247E+03
4.3000E+01	6.2100E+01	1.2131E-00	4.7687E-01	5.8151E+01	5.4544E-00	1.0661E+01	1.4696E-02	7.2417E+03
4.3791E+01	6.7275E+01	9.9237E-01	4.0565E-01	6.3357E+01	5.4953E-00	1.1529E+01	1.2175E-02	7.5646E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 8.1$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S}{ft^2}$ sec ² -°R
.0000E-99	7.0920E-00	8.1000E-00	9.6393E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	7.7300E-00	7.8508E-00	9.6175E-01	1.2181E-00	1.1511E-00	1.0582E-00	9.9921E-01	1.3432E-00
2.0000E-00	8.4100E-00	7.6302E-00	9.5964E-01	1.4706E-00	1.3150E-00	1.1183E-00	9.9418E-01	1.0013E+01
3.0000E-00	9.1500E-00	7.3935E-00	9.5718E-01	1.7689E-00	1.4948E-00	1.1833E-00	9.8138E-01	3.2240E+01
4.0000E-00	9.9300E-00	7.1728E-00	9.5468E-01	2.1095E-00	1.6841E-00	1.2526E-00	9.5898E-01	7.1860E+01
5.0000E-00	1.0760E+01	6.9427E-00	9.5185E-01	2.5013E-00	1.8829E-00	1.3283E-00	9.2586E-01	1.3218E+02
6.0000E-00	1.1630E+01	6.7150E-00	9.4878E-01	2.9440E-00	2.0867E-00	1.4108E-00	8.8269E-01	2.1412E+02
7.0000E-00	1.2540E+01	6.4843E-00	9.4536E-01	3.4417E-00	2.2930E-00	1.5009E-00	8.3081E-01	3.1805E+02
8.0000E-00	1.3480E+01	6.2611E-00	9.4174E-01	3.9926E-00	2.4974E-00	1.5987E-00	7.7280E-01	4.4226E+02
9.0000E-00	1.4460E+01	6.0275E-00	9.3756E-01	4.6060E-00	2.7000E-00	1.7059E-00	7.1031E-01	5.8696E+02
1.0000E+01	1.5460E+01	5.8080E-00	9.3322E-01	5.2724E-00	2.8950E-00	1.8211E-00	6.4682E-01	7.4762E+02
1.1000E+01	1.6480E+01	5.5985E-00	9.2866E-01	5.9932E-00	3.0817E-00	1.9447E-00	5.8425E-01	9.2219E+02
1.2000E+01	1.7530E+01	5.3850E-00	9.2354E-01	6.7778E-00	3.2608E-00	2.0785E-00	5.2353E-01	1.1105E+03
1.3000E+01	1.8600E+01	5.1780E-00	9.1805E-01	7.6206E-00	3.4303E-00	2.2215E-00	4.6635E-01	1.3089E+03
1.4000E+01	1.9690E+01	4.9761E-00	9.1213E-01	8.5229E-00	3.5900E-00	2.3740E-00	4.1339E-01	1.5158E+03
1.5000E+01	2.0800E+01	4.7785E-00	9.0574E-01	9.4857E-00	3.7398E-00	2.5363E-00	3.6501E-01	1.7293E+03
1.6000E+01	2.1920E+01	4.5935E-00	8.9912E-01	1.0500E+01	3.8788E-00	2.7071E-00	3.2167E-01	1.9462E+03
1.7000E+01	2.3060E+01	4.4112E-00	8.9195E-01	1.1577E+01	4.0087E-00	2.8879E-00	2.8283E-01	2.1671E+03
1.8000E+01	2.4220E+01	4.2320E-00	8.8416E-01	1.2715E+01	4.1299E-00	3.0789E-00	2.4828E-01	2.3907E+03
1.9000E+01	2.5380E+01	4.0697E-00	8.7642E-01	1.3895E+01	4.2408E-00	3.2766E-00	2.1820E-01	2.6122E+03
2.0000E+01	2.6570E+01	3.9029E-00	8.6768E-01	1.5147E+01	4.3449E-00	3.4862E-00	1.9146E-01	2.8366E+03
2.1000E+01	2.7760E+01	3.7512E-00	8.5897E-01	1.6439E+01	4.4402E-00	3.7023E-00	1.6835E-01	3.0573E+03
2.2000E+01	2.8970E+01	3.6016E-00	8.4957E-01	1.7790E+01	4.5288E-00	3.9282E-00	1.4807E-01	3.2776E+03
2.3000E+01	3.0190E+01	3.4596E-00	8.3985E-01	1.9189E+01	4.6105E-00	4.1621E-00	1.3045E-01	3.4950E+03
2.4000E+01	3.1430E+01	3.3202E-00	8.2944E-01	2.0647E+01	4.6865E-00	4.4056E-00	1.1503E-01	3.7108E+03
2.5000E+01	3.2680E+01	3.1881E-00	8.1870E-01	2.2149E+01	4.7566E-00	4.6565E-00	1.0165E-01	3.9230E+03
2.6000E+01	3.3950E+01	3.0589E-00	8.0730E-01	2.3706E+01	4.8218E-00	4.9165E-00	8.9961E-02	4.1327E+03
2.7000E+01	3.5230E+01	2.9366E-00	7.9560E-01	2.5305E+01	4.8819E-00	5.1833E-00	7.9811E-02	4.3381E+03
2.8000E+01	3.6530E+01	2.8173E-00	7.8328E-01	2.6954E+01	4.9379E-00	5.4586E-00	7.0930E-02	4.5406E+03
2.9000E+01	3.7850E+01	2.7015E-00	7.7035E-01	2.8652E+01	4.9899E-00	5.7420E-00	6.3158E-02	4.7397E+03
3.0000E+01	3.9190E+01	2.5894E-00	7.5686E-01	3.0397E+01	5.0383E-00	6.0331E-00	5.6356E-02	4.9353E+03
3.1000E+01	4.0560E+01	2.4786E-00	7.4250E-01	3.2197E+01	5.0837E-00	6.3335E-00	5.0357E-02	5.1284E+03
3.2000E+01	4.1940E+01	2.3747E-00	7.2803E-01	3.4025E+01	5.1255E-00	6.6384E-00	4.5142E-02	5.3160E+03
3.3000E+01	4.3360E+01	2.2704E-00	7.1247E-01	3.5916E+01	5.1650E-00	6.9537E-00	4.0506E-02	5.5020E+03
3.4000E+01	4.4810E+01	2.1689E-00	6.9625E-01	3.7852E+01	5.2018E-00	7.2766E-00	3.6419E-02	5.6845E+03
3.5000E+01	4.6300E+01	2.0689E-00	6.7914E-01	3.9842E+01	5.2365E-00	7.6085E-00	3.2793E-02	5.8644E+03
3.6000E+01	4.7840E+01	1.9695E-00	6.6096E-01	4.1893E+01	5.2692E-00	7.9506E-00	2.9562E-02	6.0424E+03
3.7000E+01	4.9430E+01	1.8717E-00	6.4187E-01	4.4000E+01	5.3000E-00	8.3020E-00	2.6688E-02	6.2179E+03
3.8000E+01	5.1090E+01	1.7738E-00	6.2148E-01	4.6180E+01	5.3292E-00	8.6655E-00	2.4109E-02	6.3923E+03
3.9000E+01	5.2830E+01	1.6761E-00	5.9979E-01	4.8436E+01	5.3570E-00	9.0416E-00	2.1792E-02	6.5657E+03
4.0000E+01	5.4700E+01	1.5748E-00	5.7582E-01	5.0818E+01	5.3840E-00	9.4388E-00	1.9670E-02	6.7415E+03
4.1000E+01	5.6740E+01	1.4694E-00	5.4919E-01	5.3354E+01	5.4103E-00	9.8616E-00	1.7715E-02	6.9211E+03
4.2000E+01	5.9060E+01	1.3553E-00	5.1835E-01	5.6144E+01	5.4367E-00	1.0326E+01	1.5864E-02	7.1105E+03
4.3000E+01	6.1960E+01	1.2205E-00	4.7911E-01	5.9463E+01	5.4653E-00	1.0880E+01	1.3997E-02	7.3254E+03
4.3834E+01	6.7287E+01	9.9255E-01	4.0570E-01	6.4966E+01	5.5068E-00	1.1797E+01	1.1519E-02	7.6597E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 8.2$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{R}$
.0000E-99	7.0050E-00	8.2000E-00	9.6476E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	7.6400E-00	7.9520E-00	9.6266E-01	1.2198E-00	1.1522E-00	1.0586E-00	9.9920E-01	1.3724E-00
2.0000E-00	8.3300E-00	7.7071E-00	9.6039E-01	1.4798E-00	1.3207E-00	1.1204E-00	9.9389E-01	1.0501E+01
3.0000E-00	9.0700E-00	7.4681E-00	9.5798E-01	1.7827E-00	1.5028E-00	1.1862E-00	9.8062E-01	3.3573E+01
4.0000E-00	9.8500E-00	7.2459E-00	9.5553E-01	2.1290E-00	1.6944E-00	1.2564E-00	9.5750E-01	7.4522E+01
5.0000E-00	1.0680E+01	7.0144E-00	9.5276E-01	2.5275E-00	1.8956E-00	1.3333E-00	9.2343E-01	1.3668E+02
6.0000E-00	1.1550E+01	6.7853E-00	9.4975E-01	2.9782E-00	2.1016E-00	1.4170E-00	8.7920E-01	2.2091E+02
7.0000E-00	1.2460E+01	6.5530E-00	9.4641E-01	3.4851E-00	2.3100E-00	1.5087E-00	8.2623E-01	3.2754E+02
8.0000E-00	1.3410E+01	6.3136E-00	9.4262E-01	4.0526E-00	2.5183E-00	1.6092E-00	7.6656E-01	4.5618E+02
9.0000E-00	1.4380E+01	6.0924E-00	9.3876E-01	4.6718E-00	2.7203E-00	1.7173E-00	7.0382E-01	6.0270E+02
1.0000E+01	1.5390E+01	5.8580E-00	9.3425E-01	5.3584E-00	2.9185E-00	1.8359E-00	6.3901E-01	7.6846E+02
1.1000E+01	1.6420E+01	5.6351E-00	9.2949E-01	6.1017E-00	3.1078E-00	1.9633E-00	5.7541E-01	9.4837E+02
1.2000E+01	1.7470E+01	5.4206E-00	9.2443E-01	6.9032E-00	3.2875E-00	2.0998E-00	5.1451E-01	1.1403E+03
1.3000E+01	1.8540E+01	5.2125E-00	9.1900E-01	7.7645E-00	3.4572E-00	2.2458E-00	4.5736E-01	1.3423E+03
1.4000E+01	1.9630E+01	5.0093E-00	9.1315E-01	8.6867E-00	3.6169E-00	2.4017E-00	4.0460E-01	1.5526E+03
1.5000E+01	2.0740E+01	4.8103E-00	9.0681E-01	9.6710E-00	3.7665E-00	2.5675E-00	3.5655E-01	1.7696E+03
1.6000E+01	2.1870E+01	4.6153E-00	8.9994E-01	1.0718E+01	3.9065E-00	2.7437E-00	3.1327E-01	1.9916E+03
1.7000E+01	2.3010E+01	4.4322E-00	8.9281E-01	1.1819E+01	4.0358E-00	2.9286E-00	2.7495E-01	2.2155E+03
1.8000E+01	2.4160E+01	4.2594E-00	8.8540E-01	1.2974E+01	4.1554E-00	3.1222E-00	2.4123E-01	2.4401E+03
1.9000E+01	2.5330E+01	4.0888E-00	8.7737E-01	1.4192E+01	4.2666E-00	3.3263E-00	2.1143E-01	2.6663E+03
2.0000E+01	2.6510E+01	3.9273E-00	8.6901E-01	1.5462E+01	4.3692E-00	3.5389E-00	1.8545E-01	2.8914E+03
2.1000E+01	2.7710E+01	3.7683E-00	8.5999E-01	1.6795E+01	4.4645E-00	3.7618E-00	1.6265E-01	3.1164E+03
2.2000E+01	2.8920E+01	3.6177E-00	8.5063E-01	1.8178E+01	4.5524E-00	3.9931E-00	1.4287E-01	3.3389E+03
2.3000E+01	3.0140E+01	3.4748E-00	8.4093E-01	1.9611E+01	4.6334E-00	4.2325E-00	1.2571E-01	3.5585E+03
2.4000E+01	3.1380E+01	3.3344E-00	8.3054E-01	2.1103E+01	4.7086E-00	4.4818E-00	1.1072E-01	3.7763E+03
2.5000E+01	3.2630E+01	3.2015E-00	8.1983E-01	2.2641E+01	4.7780E-00	4.7387E-00	9.7744E-02	3.9903E+03
2.6000E+01	3.3900E+01	3.0713E-00	8.0844E-01	2.4236E+01	4.8424E-00	5.0050E-00	8.6408E-02	4.2019E+03
2.7000E+01	3.5180E+01	2.9482E-00	7.9675E-01	2.5873E+01	4.9019E-00	5.2782E-00	7.6585E-02	4.4090E+03
2.8000E+01	3.6490E+01	2.8247E-00	7.8407E-01	2.7575E+01	4.9575E-00	5.5623E-00	6.7939E-02	4.6145E+03
2.9000E+01	3.7810E+01	2.7084E-00	7.7114E-01	2.9315E+01	5.0089E-00	5.8526E-00	6.0445E-02	4.8151E+03
3.0000E+01	3.9150E+01	2.5958E-00	7.5766E-01	3.1102E+01	5.0566E-00	6.1508E-00	5.3893E-02	5.0120E+03
3.1000E+01	4.0510E+01	2.4871E-00	7.4364E-01	3.2934E+01	5.1010E-00	6.4563E-00	4.8160E-02	5.2050E+03
3.2000E+01	4.1900E+01	2.3801E-00	7.2881E-01	3.4820E+01	5.1425E-00	6.7710E-00	4.3106E-02	5.3952E+03
3.3000E+01	4.3310E+01	2.2776E-00	7.1358E-01	3.6744E+01	5.1811E-00	7.0918E-00	3.8683E-02	5.5810E+03
3.4000E+01	4.4760E+01	2.1755E-00	6.9734E-01	3.8728E+01	5.2174E-00	7.4227E-00	3.4757E-02	5.7646E+03
3.5000E+01	4.6250E+01	2.0749E-00	6.8020E-01	4.0767E+01	5.2516E-00	7.7628E-00	3.1277E-02	5.9456E+03
3.6000E+01	4.7780E+01	1.9766E-00	6.6230E-01	4.2857E+01	5.2836E-00	8.1113E-00	2.8197E-02	6.1235E+03
3.7000E+01	4.9370E+01	1.8781E-00	6.4316E-01	4.5016E+01	5.3139E-00	8.4714E-00	2.5440E-02	6.3001E+03
3.8000E+01	5.1030E+01	1.7795E-00	6.2271E-01	4.7251E+01	5.3427E-00	8.8441E-00	2.2968E-02	6.4755E+03
3.9000E+01	5.2770E+01	1.6812E-00	6.0094E-01	4.9565E+01	5.3701E-00	9.2298E-00	2.0749E-02	6.6499E+03
4.0000E+01	5.4630E+01	1.5803E-00	5.7715E-01	5.1994E+01	5.3964E-00	9.6349E-00	1.8728E-02	6.8257E+03
4.1000E+01	5.6660E+01	1.4751E-00	5.5066E-01	5.4584E+01	5.4222E-00	1.0066E+01	1.6864E-02	7.0056E+03
4.2000E+01	5.8960E+01	1.3616E-00	5.2010E-01	5.7422E+01	5.4481E-00	1.0539E+01	1.5106E-02	7.1945E+03
4.3000E+01	6.1830E+01	1.2274E-00	4.8118E-01	6.0796E+01	5.4760E-00	1.1102E+01	1.3333E-02	7.4088E+03
4.3876E+01	6.7298E+01	9.9276E-01	4.0578E-01	6.6595E+01	5.5178E-00	1.2069E+01	1.0904E-02	7.7539E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 8.3$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S}{\text{ft}^2 \text{sec}^2 - ^\circ \text{R}}$
.0000E-99	6.9200E-00	8.3000E-00	9.6557E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	7.5600E-00	8.0360E-00	9.6339E-01	1.2245E-00	1.1553E-00	1.0598E-00	9.9915E-01	1.4526E-00
2.0000E-00	8.2400E-00	7.8085E-00	9.6135E-01	1.4842E-00	1.3234E-00	1.1214E-00	9.9375E-01	1.0741E+01
3.0000E-00	8.9800E-00	7.5658E-00	9.5899E-01	1.7915E-00	1.5079E-00	1.1880E-00	9.8013E-01	3.4425E+01
4.0000E-00	9.7700E-00	7.3224E-00	9.5640E-01	2.1477E-00	1.7043E-00	1.2601E-00	9.5606E-01	7.7107E+01
5.0000E-00	1.0600E+01	7.0893E-00	9.5368E-01	2.5529E-00	1.9078E-00	1.3381E-00	9.2107E-01	1.4108E+02
6.0000E-00	1.1480E+01	6.8421E-00	9.5052E-01	3.0169E-00	2.1184E-00	1.4241E-00	8.7523E-01	2.2868E+02
7.0000E-00	1.2390E+01	6.6090E-00	9.4725E-01	3.5334E-00	2.3287E-00	1.5173E-00	8.2112E-01	3.3819E+02
8.0000E-00	1.3340E+01	6.3685E-00	9.4353E-01	4.1120E-00	2.5387E-00	1.6196E-00	7.6040E-01	4.7001E+02
9.0000E-00	1.4310E+01	6.1463E-00	9.3974E-01	4.7434E-00	2.7421E-00	1.7297E-00	6.9680E-01	6.1989E+02
1.0000E+01	1.5320E+01	5.9102E-00	9.3529E-01	5.4438E-00	2.9415E-00	1.8506E-00	6.3135E-01	7.8916E+02
1.1000E+01	1.6350E+01	5.6856E-00	9.3061E-01	6.2023E-00	3.1317E-00	1.9805E-00	5.6733E-01	9.7263E+02
1.2000E+01	1.7410E+01	5.4578E-00	9.2534E-01	7.0286E-00	3.3136E-00	2.1211E-00	5.0568E-01	1.1700E+03
1.3000E+01	1.8480E+01	5.2484E-00	9.1998E-01	7.9084E-00	3.4835E-00	2.2702E-00	4.4858E-01	1.3756E+03
1.4000E+01	1.9570E+01	5.0439E-00	9.1419E-01	8.8508E-00	3.6432E-00	2.4293E-00	3.9604E-01	1.5894E+03
1.5000E+01	2.0680E+01	4.8434E-00	9.0791E-01	9.8568E-00	3.7927E-00	2.5988E-00	3.4833E-01	1.8096E+03
1.6000E+01	2.1810E+01	4.6468E-00	9.0110E-01	1.0927E+01	3.9323E-00	2.7788E-00	3.0548E-01	2.0349E+03
1.7000E+01	2.2950E+01	4.4621E-00	8.9402E-01	1.2053E+01	4.0613E-00	2.9678E-00	2.6764E-01	2.2618E+03
1.8000E+01	2.4110E+01	4.2802E-00	8.8633E-01	1.3244E+01	4.1812E-00	3.1675E-00	2.3415E-01	2.4912E+03
1.9000E+01	2.5280E+01	4.1086E-00	8.7834E-01	1.4490E+01	4.2918E-00	3.3762E-00	2.0491E-01	2.7201E+03
2.0000E+01	2.6460E+01	3.9461E-00	8.7003E-01	1.5789E+01	4.3937E-00	3.5937E-00	1.7946E-01	2.9477E+03
2.1000E+01	2.7660E+01	3.7860E-00	8.6103E-01	1.7153E+01	4.4883E-00	3.8218E-00	1.5718E-01	3.1751E+03
2.2000E+01	2.8870E+01	3.6343E-00	8.5170E-01	1.8569E+01	4.5754E-00	4.0584E-00	1.3788E-01	3.3999E+03
2.3000E+01	3.0100E+01	3.4854E-00	8.4167E-01	2.0047E+01	4.6563E-00	4.3055E-00	1.2105E-01	3.6233E+03
2.4000E+01	3.1330E+01	3.3491E-00	8.3167E-01	2.1563E+01	4.7301E-00	4.5586E-00	1.0661E-01	3.8413E+03
2.5000E+01	3.2590E+01	3.2108E-00	8.2061E-01	2.3150E+01	4.7993E-00	4.8236E-00	9.3915E-02	4.0589E+03
2.6000E+01	3.3860E+01	3.0801E-00	8.0923E-01	2.4783E+01	4.8630E-00	5.0963E-00	8.2941E-02	4.2721E+03
2.7000E+01	3.5140E+01	2.9564E-00	7.9756E-01	2.6459E+01	4.9217E-00	5.3760E-00	7.3444E-02	4.4808E+03
2.8000E+01	3.6440E+01	2.8358E-00	7.8525E-01	2.8189E+01	4.9762E-00	5.6647E-00	6.5155E-02	4.6863E+03
2.9000E+01	3.7760E+01	2.7187E-00	7.7233E-01	2.9971E+01	5.0269E-00	5.9620E-00	5.7919E-02	4.8883E+03
3.0000E+01	3.9100E+01	2.6053E-00	7.5883E-01	3.1801E+01	5.0741E-00	6.2673E-00	5.1599E-02	5.0866E+03
3.1000E+01	4.0460E+01	2.4959E-00	7.4481E-01	3.3677E+01	5.1178E-00	6.5803E-00	4.6075E-02	5.2809E+03
3.2000E+01	4.1850E+01	2.3881E-00	7.2997E-01	3.5609E+01	5.1588E-00	6.9026E-00	4.1211E-02	5.4723E+03
3.3000E+01	4.3270E+01	2.2827E-00	7.1437E-01	3.7594E+01	5.1971E-00	7.2335E-00	3.6930E-02	5.6606E+03
3.4000E+01	4.4710E+01	2.1823E-00	6.9845E-01	3.9612E+01	5.2326E-00	7.5702E-00	3.3185E-02	5.8440E+03
3.5000E+01	4.6200E+01	2.0810E-00	6.8128E-01	4.1702E+01	5.2662E-00	7.9187E-00	2.9844E-02	6.0261E+03
3.6000E+01	4.7730E+01	1.9821E-00	6.6334E-01	4.3843E+01	5.2977E-00	8.2757E-00	2.6889E-02	6.2050E+03
3.7000E+01	4.9320E+01	1.8831E-00	6.4416E-01	4.6056E+01	5.3276E-00	8.6447E-00	2.4246E-02	6.3826E+03
3.8000E+01	5.0970E+01	1.7854E-00	6.2396E-01	4.8333E+01	5.3558E-00	9.0244E-00	2.1891E-02	6.5579E+03
3.9000E+01	5.2710E+01	1.6863E-00	6.0212E-01	5.0704E+01	5.3827E-00	9.4197E-00	1.9765E-02	6.7332E+03
4.0000E+01	5.4570E+01	1.5848E-00	5.7825E-01	5.3195E+01	5.4087E-00	9.8350E-00	1.7830E-02	6.9101E+03
4.1000E+01	5.6590E+01	1.4799E-00	5.5191E-01	5.5837E+01	5.4339E-00	1.0275E+01	1.6054E-02	7.0900E+03
4.2000E+01	5.8880E+01	1.3664E-00	5.2144E-01	5.8736E+01	5.4593E-00	1.0758E+01	1.4378E-02	7.2792E+03
4.3000E+01	6.1710E+01	1.2337E-00	4.8310E-01	6.2152E+01	5.4864E-00	1.1328E+01	1.2702E-02	7.4920E+03
4.3916E+01	6.7310E+01	9.9289E-01	4.0582E-01	6.8245E+01	5.5285E-00	1.2344E+01	1.0326E-02	7.8473E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 8.4$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{-^{\circ}R}$
.0000E-99	6.8370E-00	8.4000E-00	9.6635E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	7.4700E-00	8.1468E-00	9.6433E-01	1.2246E-00	1.1555E-00	1.0598E-00	9.9915E-01	1.4562E-00
2.0000E-00	8.1600E-00	7.8934E-00	9.6213E-01	1.4917E-00	1.3282E-00	1.1231E-00	9.9351E-01	1.1160E+01
3.0000E-00	8.9000E-00	7.6481E-00	9.5981E-01	1.8036E-00	1.5149E-00	1.1905E-00	9.7944E-01	3.5632E+01
4.0000E-00	9.6900E-00	7.4025E-00	9.5727E-01	2.1655E-00	1.7136E-00	1.2636E-00	9.5466E-01	7.9608E+01
5.0000E-00	1.0530E+01	7.1498E-00	9.5441E-01	2.5826E-00	1.9219E-00	1.3437E-00	9.1828E-01	1.4628E+02
6.0000E-00	1.1400E+01	6.9185E-00	9.5153E-01	3.0494E-00	2.1323E-00	1.4300E-00	8.7188E-01	2.3525E+02
7.0000E-00	1.2320E+01	6.6676E-00	9.4810E-01	3.5811E-00	2.3469E-00	1.5258E-00	8.1608E-01	3.4875E+02
8.0000E-00	1.3270E+01	6.4259E-00	9.4445E-01	4.1706E-00	2.5587E-00	1.6299E-00	7.5434E-01	4.8373E+02
9.0000E-00	1.4250E+01	6.1882E-00	9.4048E-01	4.8212E-00	2.7656E-00	1.7432E-00	6.8925E-01	6.3860E+02
1.0000E+01	1.5260E+01	5.9513E-00	9.3610E-01	5.5359E-00	2.9660E-00	1.8664E-00	6.2319E-01	8.1150E+02
1.1000E+01	1.6290E+01	5.7257E-00	9.3148E-01	6.3102E-00	3.1568E-00	1.9989E-00	5.5881E-01	9.9860E+02
1.2000E+01	1.7350E+01	5.4965E-00	9.2628E-01	7.1539E-00	3.3391E-00	2.1424E-00	4.9703E-01	1.1996E+03
1.3000E+01	1.8420E+01	5.2858E-00	9.2098E-01	8.0524E-00	3.5093E-00	2.2945E-00	4.4001E-01	1.4087E+03
1.4000E+01	1.9520E+01	5.0696E-00	9.1495E-01	9.0241E-00	3.6704E-00	2.4586E-00	3.8724E-01	1.6279E+03
1.5000E+01	2.0630E+01	4.8683E-00	9.0872E-01	1.0052E+01	3.8196E-00	2.6317E-00	3.3994E-01	1.8515E+03
1.6000E+01	2.1760E+01	4.6706E-00	9.0196E-01	1.1146E+01	3.9588E-00	2.8157E-00	2.9757E-01	2.0799E+03
1.7000E+01	2.2900E+01	4.4848E-00	8.9493E-01	1.2298E+01	4.0872E-00	3.0088E-00	2.6026E-01	2.3098E+03
1.8000E+01	2.4060E+01	4.3018E-00	8.8729E-01	1.3516E+01	4.2066E-00	3.2130E-00	2.2731E-01	2.5420E+03
1.9000E+01	2.5230E+01	4.1291E-00	8.7934E-01	1.4790E+01	4.3165E-00	3.4264E-00	1.9862E-01	2.7736E+03
2.0000E+01	2.6420E+01	3.9590E-00	8.7072E-01	1.6130E+01	4.4185E-00	3.6507E-00	1.7350E-01	3.0056E+03
2.1000E+01	2.7610E+01	3.8043E-00	8.6211E-01	1.7514E+01	4.5115E-00	3.8821E-00	1.5193E-01	3.2335E+03
2.2000E+01	2.8820E+01	3.6516E-00	8.5281E-01	1.8963E+01	4.5979E-00	4.1242E-00	1.3310E-01	3.4604E+03
2.3000E+01	3.0050E+01	3.5015E-00	8.4280E-01	2.0475E+01	4.6780E-00	4.3769E-00	1.1671E-01	3.6859E+03
2.4000E+01	3.1270E+01	3.3595E-00	8.3246E-01	2.2038E+01	4.7517E-00	4.6380E-00	1.0256E-01	3.9077E+03
2.5000E+01	3.2540E+01	3.2249E-00	8.2178E-01	2.3650E+01	4.8195E-00	4.9071E-00	9.0350E-02	4.1253E+03
2.6000E+01	3.3810E+01	3.0932E-00	8.1042E-01	2.5321E+01	4.8825E-00	5.1861E-00	7.9713E-02	4.3402E+03
2.7000E+01	3.5090E+01	2.9686E-00	7.9876E-01	2.7037E+01	4.9405E-00	5.4725E-00	7.0520E-02	4.5505E+03
2.8000E+01	3.6400E+01	2.8437E-00	7.8609E-01	2.8822E+01	4.9948E-00	5.7703E-00	6.2449E-02	4.7591E+03
2.9000E+01	3.7720E+01	2.7260E-00	7.7317E-01	3.0646E+01	5.0449E-00	6.0746E-00	5.5469E-02	4.9625E+03
3.0000E+01	3.9060E+01	2.6121E-00	7.5967E-01	3.2520E+01	5.0913E-00	6.3872E-00	4.9379E-02	5.1621E+03
3.1000E+01	4.0420E+01	2.5022E-00	7.4565E-01	3.4441E+01	5.1345E-00	6.7077E-00	4.4062E-02	5.3576E+03
3.2000E+01	4.1810E+01	2.3939E-00	7.3079E-01	3.6419E+01	5.1749E-00	7.0377E-00	3.9384E-02	5.5502E+03
3.3000E+01	4.3220E+01	2.2903E-00	7.1553E-01	3.8437E+01	5.2123E-00	7.3743E-00	3.5296E-02	5.7382E+03
3.4000E+01	4.4670E+01	2.1871E-00	6.9924E-01	4.0519E+01	5.2476E-00	7.7214E-00	3.1674E-02	5.9240E+03
3.5000E+01	4.6150E+01	2.0873E-00	6.8238E-01	4.2645E+01	5.2805E-00	8.0759E-00	2.8489E-02	6.1058E+03
3.6000E+01	4.7680E+01	1.9878E-00	6.6441E-01	4.4838E+01	5.3115E-00	8.4416E-00	2.5653E-02	6.2858E+03
3.7000E+01	4.9270E+01	1.8882E-00	6.4518E-01	4.7105E+01	5.3409E-00	8.8197E-00	2.3119E-02	6.4643E+03
3.8000E+01	5.0920E+01	1.7899E-00	6.2493E-01	4.9438E+01	5.3686E-00	9.2087E-00	2.0862E-02	6.6405E+03
3.9000E+01	5.2650E+01	1.6916E-00	6.0332E-01	5.1854E+01	5.3950E-00	9.6115E-00	1.8837E-02	6.8158E+03
4.0000E+01	5.4500E+01	1.5905E-00	5.7963E-01	5.4393E+01	5.4204E-00	1.0034E+01	1.6992E-02	6.9926E+03
4.1000E+01	5.6520E+01	1.4848E-00	5.5318E-01	5.7102E+01	5.4453E-00	1.0486E+01	1.5291E-02	7.1736E+03
4.2000E+01	5.8790E+01	1.3722E-00	5.2303E-01	6.0050E+01	5.4700E-00	1.0977E+01	1.3699E-02	7.3623E+03
4.3000E+01	6.1590E+01	1.2402E-00	4.8505E-01	6.3519E+01	5.4965E-00	1.1556E+01	1.2107E-02	7.5743E+03
4.3955E+01	6.7320E+01	9.9309E-01	4.0589E-01	6.9914E+01	5.5389E-00	1.2622E+01	9.7854E-03	7.9396E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 8.5$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{R \ln 10}$
.0000E-99	6.7560E-00	8.5000E-00	9.6710E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	7.3900E-00	8.2396E-00	9.6509E-01	1.2278E-00	1.1576E-00	1.0606E-00	9.9911E-01	1.5118E-00
2.0000E-00	8.0800E-00	7.9823E-00	9.6293E-01	1.4985E-00	1.3324E-00	1.1246E-00	9.9329E-01	1.1545E+01
3.0000E-00	8.8200E-00	7.7341E-00	9.6065E-01	1.8150E-00	1.5214E-00	1.1929E-00	9.7879E-01	3.6777E+01
4.0000E-00	9.6100E-00	7.4862E-00	9.5817E-01	2.1824E-00	1.7225E-00	1.2669E-00	9.5332E-01	8.2019E+01
5.0000E-00	1.0450E+01	7.2313E-00	9.5536E-01	2.6063E-00	1.9332E-00	1.3481E-00	9.1604E-01	1.5048E+02
6.0000E-00	1.1330E+01	6.9810E-00	9.5233E-01	3.0866E-00	2.1482E-00	1.4368E-00	8.6803E-01	2.4285E+02
7.0000E-00	1.2250E+01	6.7288E-00	9.4897E-01	3.6281E-00	2.3648E-00	1.5342E-00	8.1112E-01	3.5921E+02
8.0000E-00	1.3200E+01	6.4857E-00	9.4539E-01	4.2286E-00	2.5782E-00	1.6401E-00	7.4838E-01	4.9735E+02
9.0000E-00	1.4180E+01	6.2465E-00	9.4149E-01	4.8916E-00	2.7865E-00	1.7554E-00	6.8247E-01	6.5557E+02
1.0000E+01	1.5190E+01	6.0077E-00	9.3719E-01	5.6203E-00	2.9880E-00	1.8809E-00	6.1580E-01	8.3195E+02
1.1000E+01	1.6230E+01	5.7674E-00	9.3237E-01	6.4179E-00	3.1814E-00	2.0172E-00	5.5045E-01	1.0244E+03
1.2000E+01	1.7290E+01	5.5368E-00	9.2724E-01	7.2790E-00	3.3642E-00	2.1636E-00	4.8857E-01	1.2291E+03
1.3000E+01	1.8370E+01	5.3136E-00	9.2171E-01	8.2052E-00	3.5361E-00	2.3204E-00	4.3113E-01	1.4437E+03
1.4000E+01	1.9460E+01	5.1068E-00	9.1603E-01	9.1887E-00	3.6956E-00	2.4863E-00	3.7912E-01	1.6643E+03
1.5000E+01	2.0580E+01	4.8941E-00	9.0956E-01	1.0248E+01	3.8459E-00	2.6647E-00	3.3178E-01	1.8932E+03
1.6000E+01	2.1710E+01	4.6954E-00	9.0284E-01	1.1367E+01	3.9847E-00	2.8527E-00	2.8990E-01	2.1247E+03
1.7000E+01	2.2850E+01	4.5085E-00	8.9586E-01	1.2543E+01	4.1125E-00	3.0501E-00	2.5311E-01	2.3576E+03
1.8000E+01	2.4010E+01	4.3243E-00	8.8827E-01	1.3789E+01	4.2313E-00	3.2587E-00	2.2071E-01	2.5926E+03
1.9000E+01	2.5180E+01	4.1504E-00	8.8036E-01	1.5091E+01	4.3405E-00	3.4769E-00	1.9256E-01	2.8268E+03
2.0000E+01	2.6370E+01	3.9791E-00	8.7177E-01	1.6462E+01	4.4418E-00	3.7062E-00	1.6796E-01	3.0613E+03
2.1000E+01	2.7570E+01	3.8171E-00	8.6285E-01	1.7889E+01	4.5349E-00	3.9448E-00	1.4671E-01	3.2933E+03
2.2000E+01	2.8780E+01	3.6637E-00	8.5358E-01	1.9371E+01	4.6205E-00	4.1925E-00	1.2838E-01	3.5225E+03
2.3000E+01	3.0010E+01	3.5129E-00	8.4360E-01	2.0919E+01	4.6998E-00	4.4510E-00	1.1244E-01	3.7500E+03
2.4000E+01	3.1250E+01	3.3702E-00	8.3327E-01	2.2518E+01	4.7727E-00	4.7181E-00	9.8704E-02	3.9736E+03
2.5000E+01	3.2500E+01	3.2350E-00	8.2261E-01	2.4167E+01	4.8398E-00	4.9935E-00	8.6859E-02	4.1929E+03
2.6000E+01	3.3770E+01	3.1027E-00	8.1127E-01	2.5877E+01	4.9020E-00	5.2789E-00	7.6560E-02	4.4095E+03
2.7000E+01	3.5050E+01	2.9774E-00	7.9961E-01	2.7633E+01	4.9593E-00	5.5720E-00	6.7670E-02	4.6213E+03
2.8000E+01	3.6350E+01	2.8554E-00	7.8731E-01	2.9446E+01	5.0125E-00	5.8744E-00	5.9930E-02	4.8298E+03
2.9000E+01	3.7670E+01	2.7368E-00	7.7440E-01	3.1312E+01	5.0619E-00	6.1858E-00	5.3188E-02	5.0345E+03
3.0000E+01	3.9010E+01	2.6221E-00	7.6090E-01	3.3231E+01	5.1078E-00	6.5058E-00	4.7312E-02	5.2354E+03
3.1000E+01	4.0380E+01	2.5087E-00	7.4650E-01	3.5211E+01	5.1507E-00	6.8362E-00	4.2152E-02	5.4336E+03
3.2000E+01	4.1760E+01	2.4024E-00	7.3199E-01	3.7222E+01	5.1902E-00	7.1716E-00	3.7682E-02	5.6260E+03
3.3000E+01	4.3180E+01	2.2958E-00	7.1636E-01	3.9303E+01	5.2274E-00	7.5187E-00	3.3723E-02	5.8164E+03
3.4000E+01	4.4620E+01	2.1942E-00	7.0040E-01	4.1420E+01	5.2619E-00	7.8717E-00	3.0267E-02	6.0020E+03
3.5000E+01	4.6110E+01	2.0919E-00	6.8318E-01	4.3611E+01	5.2945E-00	8.2371E-00	2.7188E-02	6.1861E+03
3.6000E+01	4.7640E+01	1.9920E-00	6.6518E-01	4.5857E+01	5.3250E-00	8.6116E-00	2.4468E-02	6.3669E+03
3.7000E+01	4.9220E+01	1.8935E-00	6.4623E-01	4.8165E+01	5.3538E-00	8.9964E-00	2.2054E-02	6.5452E+03
3.8000E+01	5.0870E+01	1.7946E-00	6.2593E-01	5.0554E+01	5.3811E-00	9.3948E-00	1.9890E-02	6.7224E+03
3.9000E+01	5.2600E+01	1.6958E-00	6.0426E-01	5.3029E+01	5.4070E-00	9.8074E-00	1.7950E-02	6.8985E+03
4.0000E+01	5.4440E+01	1.5952E-00	5.8077E-01	5.5617E+01	5.4319E-00	1.0238E+01	1.6193E-02	7.0753E+03
4.1000E+01	5.6450E+01	1.4898E-00	5.5448E-01	5.8379E+01	5.4563E-00	1.0699E+01	1.4571E-02	7.2563E+03
4.2000E+01	5.8710E+01	1.3772E-00	5.2442E-01	6.1387E+01	5.4806E-00	1.1200E+01	1.3052E-02	7.4453E+03
4.3000E+01	6.11480E+01	1.2462E-00	4.8683E-01	6.4908E+01	5.5064E-00	1.1787E+01	1.1542E-02	7.6563E+03
4.3992E+01	6.7331E+01	9.9321E-01	4.0593E-01	7.1604E+01	5.5489E-00	1.2904E+01	9.2768E-03	8.0312E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 8.6$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2}$ $\sec^2 - C_R$
.0000E-99	6.6770E-00	8.6000E-00	9.6782E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	7.3100E-00	8.3367E-00	9.6586E-01	1.2302E-00	1.1592E-00	1.0612E-00	9.9909E-01	1.5562E-00
2.0000E-00	8.0000E-00	8.0753E-00	9.6373E-01	1.5046E-00	1.3362E-00	1.1260E-00	9.9309E-01	1.1892E+01
3.0000E-00	8.7500E-00	7.8032E-00	9.6130E-01	1.8301E-00	1.5300E-00	1.1960E-00	9.7791E-01	3.8320E+01
4.0000E-00	9.5400E-00	7.5540E-00	9.5887E-01	2.2035E-00	1.7335E-00	1.2711E-00	9.5164E-01	8.5046E+01
5.0000E-00	1.0380E+01	7.2978E-00	9.5612E-01	2.6344E-00	1.9464E-00	1.3534E-00	9.1335E-01	1.5551E+02
6.0000E-00	1.1250E+01	7.0463E-00	9.5315E-01	3.1231E-00	2.1636E-00	1.4435E-00	8.6424E-01	2.5035E+02
7.0000E-00	1.2180E+01	6.7927E-00	9.4985E-01	3.6743E-00	2.3821E-00	1.5424E-00	8.0624E-01	3.6957E+02
8.0000E-00	1.3130E+01	6.5482E-00	9.4634E-01	4.2859E-00	2.5972E-00	1.6501E-00	7.4252E-01	5.1084E+02
9.0000E-00	1.4120E+01	6.2925E-00	9.4227E-01	4.9685E-00	2.8090E-00	1.7687E-00	6.7513E-01	6.7412E+02
1.0000E+01	1.5130E+01	6.0526E-00	9.3803E-01	5.7117E-00	3.0115E-00	1.8966E-00	6.0791E-01	8.5408E+02
1.1000E+01	1.6170E+01	5.8109E-00	9.3328E-01	6.5253E-00	3.2056E-00	2.0355E-00	5.4225E-01	1.0502E+03
1.2000E+01	1.7230E+01	5.5788E-00	9.2821E-01	7.4040E-00	3.3888E-00	2.1848E-00	4.8029E-01	1.2584E+03
1.3000E+01	1.8310E+01	5.3539E-00	9.2275E-01	8.3494E-00	3.5608E-00	2.3447E-00	4.2296E-01	1.4765E+03
1.4000E+01	1.9410E+01	5.1349E-00	9.1684E-01	9.3628E-00	3.7217E-00	2.5157E-00	3.7077E-01	1.7025E+03
1.5000E+01	2.0520E+01	4.9308E-00	9.1072E-01	1.0435E+01	3.8704E-00	2.6962E-00	3.2424E-01	1.9326E+03
1.6000E+01	2.1660E+01	4.7211E-00	9.0375E-01	1.1588E+01	4.0100E-00	2.8898E-00	2.8246E-01	2.1693E+03
1.7000E+01	2.2800E+01	4.5330E-00	8.9682E-01	1.2790E+01	4.1373E-00	3.0915E-00	2.4620E-01	2.4051E+03
1.8000E+01	2.3960E+01	4.3475E-00	8.8927E-01	1.4063E+01	4.2555E-00	3.3047E-00	2.1434E-01	2.6429E+03
1.9000E+01	2.5140E+01	4.1651E-00	8.8106E-01	1.5406E+01	4.3649E-00	3.5295E-00	1.8649E-01	2.8817E+03
2.0000E+01	2.6320E+01	3.9998E-00	8.7286E-01	1.6796E+01	4.4646E-00	3.7620E-00	1.6263E-01	3.1166E+03
2.1000E+01	2.7520E+01	3.8366E-00	8.6397E-01	1.8255E+01	4.5570E-00	4.0059E-00	1.4187E-01	3.3510E+03
2.2000E+01	2.8740E+01	3.6763E-00	8.5437E-01	1.9783E+01	4.6425E-00	4.2612E-00	1.2385E-01	3.5841E+03
2.3000E+01	2.9960E+01	3.5300E-00	8.4477E-01	2.1352E+01	4.7204E-00	4.5235E-00	1.0846E-01	3.8117E+03
2.4000E+01	3.1200E+01	3.3862E-00	8.3447E-01	2.2988E+01	4.7926E-00	4.7966E-00	9.5110E-02	4.0372E+03
2.5000E+01	3.2460E+01	3.2454E-00	8.2347E-01	2.4689E+01	4.8595E-00	5.0805E-00	8.3526E-02	4.2601E+03
2.6000E+01	3.3730E+01	3.1124E-00	8.1213E-01	2.6438E+01	4.9210E-00	5.3725E-00	7.3553E-02	4.4783E+03
2.7000E+01	3.5010E+01	2.9865E-00	8.0049E-01	2.8235E+01	4.9776E-00	5.6723E-00	6.4955E-02	4.6916E+03
2.8000E+01	3.6310E+01	2.8638E-00	7.8820E-01	3.0089E+01	5.0301E-00	5.9817E-00	5.7479E-02	4.9014E+03
2.9000E+01	3.7630E+01	2.7447E-00	7.7528E-01	3.1999E+01	5.0789E-00	6.3004E-00	5.0973E-02	5.1075E+03
3.0000E+01	3.8970E+01	2.6294E-00	7.6178E-01	3.3962E+01	5.1241E-00	6.6279E-00	4.5309E-02	5.3097E+03
3.1000E+01	4.0330E+01	2.5181E-00	7.4774E-01	3.5974E+01	5.1661E-00	6.9635E-00	4.0373E-02	5.5076E+03
3.2000E+01	4.1720E+01	2.4086E-00	7.3286E-01	3.8047E+01	5.2054E-00	7.3093E-00	3.6038E-02	5.7025E+03
3.3000E+01	4.3130E+01	2.3037E-00	7.1757E-01	4.0162E+01	5.2418E-00	7.6619E-00	3.2257E-02	5.8927E+03
3.4000E+01	4.4580E+01	2.1994E-00	7.0124E-01	4.2344E+01	5.2760E-00	8.0257E-00	2.8912E-02	6.0805E+03
3.5000E+01	4.6060E+01	2.0985E-00	6.8432E-01	4.4572E+01	5.3079E-00	8.3974E-00	2.5975E-02	6.2644E+03
3.6000E+01	4.7590E+01	1.9979E-00	6.6629E-01	4.6872E+01	5.3380E-00	8.7807E-00	2.3364E-02	6.4462E+03
3.7000E+01	4.9170E+01	1.8988E-00	6.4729E-01	4.9234E+01	5.3663E-00	9.1747E-00	2.1047E-02	6.6254E+03
3.8000E+01	5.0820E+01	1.7994E-00	6.2694E-01	5.1681E+01	5.3932E-00	9.5826E-00	1.8972E-02	6.8035E+03
3.9000E+01	5.2540E+01	1.7013E-00	6.0550E-01	5.4201E+01	5.4186E-00	1.0002E+01	1.7123E-02	6.9795E+03
4.0000E+01	5.4390E+01	1.5990E-00	5.8167E-01	5.6866E+01	5.4432E-00	1.0447E+01	1.5430E-02	7.1581E+03
4.1000E+01	5.6380E+01	1.4949E-00	5.5579E-01	5.9667E+01	5.4670E-00	1.0914E+01	1.3892E-02	7.3383E+03
4.2000E+01	5.8440E+01	1.3815E-00	5.2560E-01	6.2751E+01	5.4909E-00	1.1428E+01	1.2436E-02	7.5282E+03
4.3000E+01	6.1370E+01	1.2523E-00	4.8864E-01	6.6309E+01	5.5159E-00	1.2021E+01	1.1008E-02	7.7375E+03
4.4000E+01	6.4420E+01	1.0312E-00	4.1880E-01	7.2312E+01	5.5530E-00	1.3022E+01	9.0748E-03	8.0690E+03
4.4027E+01	6.7341E+01	9.9332E-01	4.0597E-01	7.3314E+01	5.5587E-00	1.3189E+01	8.7992E-03	8.1219E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 8.7$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S}{\frac{ft^2}{sec^2 \cdot ^\circ R}}$
.0000E-99	6.6000E-00	8.7000E-00	9.6852E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	7.2400E-00	8.4141E-00	9.6645E-01	1.2358E-00	1.1629E-00	1.0626E-00	9.9903E-01	1.6597E-00
2.0000E-00	7.9300E-00	8.1498E-00	9.6436E-01	1.5141E-00	1.3421E-00	1.1281E-00	9.9277E-01	1.2448E+01
3.0000E-00	8.6700E-00	7.8967E-00	9.6217E-01	1.8399E-00	1.5356E-00	1.1981E-00	9.7733E-01	3.9338E+01
4.0000E-00	9.4700E-00	7.6248E-00	9.5958E-01	2.2237E-00	1.7440E-00	1.2750E-00	9.5000E-01	8.8009E+01
5.0000E-00	1.0310E+01	7.3672E-00	9.5689E-01	2.6618E-00	1.9593E-00	1.3585E-00	9.1072E-01	1.6047E+02
6.0000E-00	1.1190E+01	7.1144E-00	9.5399E-01	3.1589E-00	2.1786E-00	1.4499E-00	8.6052E-01	2.5775E+02
7.0000E-00	1.2110E+01	6.8594E-00	9.5075E-01	3.7197E-00	2.3990E-00	1.5504E-00	8.0144E-01	3.7981E+02
8.0000E-00	1.3070E+01	6.5973E-00	9.4707E-01	4.3492E-00	2.6181E-00	1.6612E-00	7.3607E-01	5.2581E+02
9.0000E-00	1.4060E+01	6.3405E-00	9.4307E-01	5.0450E-00	2.8311E-00	1.7819E-00	6.6790E-01	6.9259E+02
1.0000E+01	1.5070E+01	6.0994E-00	9.3889E-01	5.8027E-00	3.0345E-00	1.9121E-00	6.0016E-01	8.7611E+02
1.1000E+01	1.6110E+01	5.8562E-00	9.3421E-01	6.6325E-00	3.2293E-00	2.0538E-00	5.3421E-01	1.0758E+03
1.2000E+01	1.7170E+01	5.6223E-00	9.2920E-01	7.5289E-00	3.4129E-00	2.2059E-00	4.7219E-01	1.2876E+03
1.3000E+01	1.8260E+01	5.3842E-00	9.2352E-01	8.5027E-00	3.5866E-00	2.3706E-00	4.1449E-01	1.5112E+03
1.4000E+01	1.9360E+01	5.1641E-00	9.1766E-01	9.5375E-00	3.7473E-00	2.5451E-00	3.6262E-01	1.7406E+03
1.5000E+01	2.0470E+01	4.9588E-00	9.1160E-01	1.0633E+01	3.8957E-00	2.7294E-00	3.1653E-01	1.9739E+03
1.6000E+01	2.1610E+01	4.7477E-00	9.0468E-01	1.1810E+01	4.0348E-00	2.9271E-00	2.7524E-01	2.2137E+03
1.7000E+01	2.2760E+01	4.5499E-00	8.9747E-01	1.3049E+01	4.1627E-00	3.1349E-00	2.3922E-01	2.4545E+03
1.8000E+01	2.3920E+01	4.3637E-00	8.8996E-01	1.4350E+01	4.2801E-00	3.3528E-00	2.0793E-01	2.6950E+03
1.9000E+01	2.5090E+01	4.1878E-00	8.8212E-01	1.5711E+01	4.3879E-00	3.5806E-00	1.8087E-01	2.9343E+03
2.0000E+01	2.6280E+01	4.0144E-00	8.7361E-01	1.7144E+01	4.4877E-00	3.8202E-00	1.5732E-01	3.1736E+03
2.1000E+01	2.7480E+01	3.8504E-00	8.6475E-01	1.8635E+01	4.5793E-00	4.0695E-00	1.3706E-01	3.4101E+03
2.2000E+01	2.8690E+01	3.6950E-00	8.5554E-01	2.0184E+01	4.6633E-00	4.3284E-00	1.1964E-01	3.6435E+03
2.3000E+01	2.9920E+01	3.5423E-00	8.4561E-01	2.1802E+01	4.7411E-00	4.5986E-00	1.0454E-01	3.8749E+03
2.4000E+01	3.1160E+01	3.3977E-00	8.3533E-01	2.3475E+01	4.8125E-00	4.8779E-00	9.1576E-02	4.1022E+03
2.5000E+01	3.2420E+01	3.2562E-00	8.2434E-01	2.5214E+01	4.8787E-00	5.1682E-00	8.0342E-02	4.3268E+03
2.6000E+01	3.3690E+01	3.1224E-00	8.1302E-01	2.7004E+01	4.9395E-00	5.4669E-00	7.0684E-02	4.5465E+03
2.7000E+01	3.4970E+01	2.9959E-00	8.0139E-01	2.8841E+01	4.9954E-00	5.7735E-00	6.2369E-02	4.7613E+03
2.8000E+01	3.6270E+01	2.8725E-00	7.8910E-01	3.0738E+01	5.0473E-00	6.0900E-00	5.5145E-02	4.9725E+03
2.9000E+01	3.7590E+01	2.7527E-00	7.7619E-01	3.2692E+01	5.0954E-00	6.4160E-00	4.8867E-02	5.1800E+03
3.0000E+01	3.8930E+01	2.6368E-00	7.6269E-01	3.4700E+01	5.1400E-00	6.7510E-00	4.3405E-02	5.3833E+03
3.1000E+01	4.0290E+01	2.5250E-00	7.4864E-01	3.6759E+01	5.1814E-00	7.0944E-00	3.8651E-02	5.5824E+03
3.2000E+01	4.1680E+01	2.4149E-00	7.3375E-01	3.8880E+01	5.2201E-00	7.4481E-00	3.4479E-02	5.7784E+03
3.3000E+01	4.3090E+01	2.3095E-00	7.1844E-01	4.1044E+01	5.2560E-00	7.8090E-00	3.0843E-02	5.9696E+03
3.4000E+01	4.4540E+01	2.2047E-00	7.0209E-01	4.3277E+01	5.2897E-00	8.1813E-00	2.7629E-02	6.1584E+03
3.5000E+01	4.6020E+01	2.1033E-00	6.8516E-01	4.5557E+01	5.3211E-00	8.5616E-00	2.4809E-02	6.3432E+03
3.6000E+01	4.7550E+01	2.0023E-00	6.6709E-01	4.7910E+01	5.3507E-00	8.9540E-00	2.2303E-02	6.5259E+03
3.7000E+01	4.9120E+01	1.9043E-00	6.4838E-01	5.0313E+01	5.3784E-00	9.3546E-00	2.0095E-02	6.7048E+03
3.8000E+01	5.0770E+01	1.8043E-00	6.2798E-01	5.2818E+01	5.4049E-00	9.7722E-00	1.8105E-02	6.8838E+03
3.9000E+01	5.2490E+01	1.7056E-00	6.0648E-01	5.5398E+01	5.4299E-00	1.0202E+01	1.6332E-02	7.0606E+03
4.0000E+01	5.4330E+01	1.6039E-00	5.8285E-01	5.8112E+01	5.4540E-00	1.0654E+01	1.4718E-02	7.2392E+03
4.1000E+01	5.6320E+01	1.4992E-00	5.5688E-01	6.0982E+01	5.4774E-00	1.1133E+01	1.3244E-02	7.4203E+03
4.2000E+01	5.8560E+01	1.3867E-00	5.2703E-01	6.4113E+01	5.5008E-00	1.1655E+01	1.1861E-02	7.6095E+03
4.3000E+01	6.1270E+01	1.2578E-00	4.9028E-01	6.7735E+01	5.5253E-00	1.2259E+01	1.0500E-02	7.8186E+03
4.4000E+01	6.5970E+01	1.0506E-00	4.2526E-01	7.3495E+01	5.5597E-00	1.3219E+01	8.7505E-03	8.1314E+03
4.4062E+01	6.7351E+01	9.9346E-01	4.0601E-01	7.5043E+01	5.5681E-00	1.3477E+01	8.3502E-03	8.2118E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 8.8$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2}$ $\frac{sec^2}{sec^2 - O_R}$
.0000E-99	6.5250E-00	8.8000E-00	9.6920E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	7.1600E-00	8.5199E-00	9.6724E-01	1.2368E-00	1.1636E-00	1.0629E-00	9.9902E-01	1.6801E-00
2.0000E-00	7.8500E-00	8.2510E-00	9.6518E-01	1.5186E-00	1.3449E-00	1.1291E-00	9.9261E-01	1.2719E+01
3.0000E-00	8.6000E-00	7.9726E-00	9.6284E-01	1.8535E-00	1.5434E-00	1.2009E-00	9.7651E-01	4.0775E+01
4.0000E-00	9.3900E-00	7.7193E-00	9.6051E-01	2.2382E-00	1.7515E-00	1.2778E-00	9.4882E-01	9.0149E+01
5.0000E-00	1.0240E+01	7.4397E-00	9.5767E-01	2.6885E-00	1.9717E-00	1.3635E-00	9.0814E-01	1.6533E+02
6.0000E-00	1.1120E+01	7.1855E-00	9.5483E-01	3.1939E-00	2.1931E-00	1.4563E-00	8.5687E-01	2.6505E+02
7.0000E-00	1.2050E+01	6.9116E-00	9.5144E-01	3.7709E-00	2.4179E-00	1.5595E-00	7.9605E-01	3.9139E+02
8.0000E-00	1.3010E+01	6.6485E-00	9.4782E-01	4.4120E-00	2.6385E-00	1.6721E-00	7.2971E-01	5.4071E+02
9.0000E-00	1.4000E+01	6.3905E-00	9.4388E-01	5.1209E-00	2.8528E-00	1.7950E-00	6.6079E-01	7.1076E+02
1.0000E+01	1.5010E+01	6.1481E-00	9.3977E-01	5.8933E-00	3.0571E-00	1.9277E-00	5.9254E-01	8.9803E+02
1.1000E+01	1.6060E+01	5.8899E-00	9.3489E-01	6.7477E-00	3.2544E-00	2.0734E-00	5.2572E-01	1.1033E+03
1.2000E+01	1.7120E+01	5.6551E-00	9.2994E-01	7.6624E-00	3.4382E-00	2.2285E-00	4.6372E-01	1.3186E+03
1.3000E+01	1.8200E+01	5.4273E-00	9.2460E-01	8.6469E-00	3.6104E-00	2.3949E-00	4.0672E-01	1.5437E+03
1.4000E+01	1.9310E+01	5.1944E-00	9.1851E-01	9.7126E-00	3.7724E-00	2.5745E-00	3.5469E-01	1.7786E+03
1.5000E+01	2.0430E+01	4.9779E-00	9.1219E-01	1.0841E+01	3.9218E-00	2.7644E-00	3.0865E-01	2.0172E+03
1.6000E+01	2.1560E+01	4.7753E-00	9.0563E-01	1.2033E+01	4.0591E-00	2.9645E-00	2.6825E-01	2.2579E+03
1.7000E+01	2.2710E+01	4.5760E-00	8.9847E-01	1.3299E+01	4.1864E-00	3.1767E-00	2.3275E-01	2.5015E+03
1.8000E+01	2.3870E+01	4.3884E-00	8.9100E-01	1.4627E+01	4.3032E-00	3.3992E-00	2.0199E-01	2.7447E+03
1.9000E+01	2.5050E+01	4.2037E-00	8.8287E-01	1.6030E+01	4.4112E-00	3.6339E-00	1.7523E-01	2.9886E+03
2.0000E+01	2.6240E+01	4.0295E-00	8.7439E-01	1.7494E+01	4.5102E-00	3.8787E-00	1.5221E-01	3.2302E+03
2.1000E+01	2.7440E+01	3.8647E-00	8.6556E-01	1.9018E+01	4.6010E-00	4.1335E-00	1.3244E-01	3.4690E+03
2.2000E+01	2.8650E+01	3.7085E-00	8.5637E-01	2.0602E+01	4.6843E-00	4.3981E-00	1.1547E-01	3.7043E+03
2.3000E+01	2.9880E+01	3.5549E-00	8.4647E-01	2.2256E+01	4.7613E-00	4.6743E-00	1.0079E-01	3.9377E+03
2.4000E+01	3.1120E+01	3.4095E-00	8.3621E-01	2.3966E+01	4.8320E-00	4.9599E-00	8.8195E-02	4.1667E+03
2.5000E+01	3.2380E+01	3.2672E-00	8.2524E-01	2.5744E+01	4.8974E-00	5.2566E-00	7.7301E-02	4.3930E+03
2.6000E+01	3.3650E+01	3.1327E-00	8.1393E-01	2.7574E+01	4.9575E-00	5.5620E-00	6.7948E-02	4.6143E+03
2.7000E+01	3.4930E+01	3.0055E-00	8.0231E-01	2.9452E+01	5.0127E-00	5.8755E-00	5.9904E-02	4.8305E+03
2.8000E+01	3.6230E+01	2.8815E-00	7.9003E-01	3.1392E+01	5.0639E-00	6.1992E-00	5.2923E-02	5.0431E+03
2.9000E+01	3.7550E+01	2.7610E-00	7.7711E-01	3.3391E+01	5.1114E-00	6.5325E-00	4.6863E-02	5.2518E+03
3.0000E+01	3.8870E+01	2.6445E-00	7.6361E-01	3.5445E+01	5.1555E-00	6.8751E-00	4.1596E-02	5.4564E+03
3.1000E+01	4.0250E+01	2.5321E-00	7.4956E-01	3.7551E+01	5.1963E-00	7.2264E-00	3.7016E-02	5.6566E+03
3.2000E+01	4.1640E+01	2.4214E-00	7.3466E-01	3.9720E+01	5.2344E-00	7.5882E-00	3.3000E-02	5.8536E+03
3.3000E+01	4.3050E+01	2.3155E-00	7.1934E-01	4.1934E+01	5.2698E-00	7.9574E-00	2.9503E-02	6.0459E+03
3.4000E+01	4.4500E+01	2.2101E-00	7.0297E-01	4.4218E+01	5.3030E-00	8.3383E-00	2.6413E-02	6.2357E+03
3.5000E+01	4.5980E+01	2.1083E-00	6.8601E-01	4.6551E+01	5.3339E-00	8.7273E-00	2.3705E-02	6.4213E+03
3.6000E+01	4.7500E+01	2.0085E-00	6.6824E-01	4.8943E+01	5.3629E-00	9.1262E-00	2.1314E-02	6.6037E+03
3.7000E+01	4.9080E+01	1.9084E-00	6.4917E-01	5.1418E+01	5.3904E-00	9.5388E-00	1.9181E-02	6.7847E+03
3.8000E+01	5.0720E+01	1.8093E-00	6.2903E-01	5.3966E+01	5.4163E-00	9.9636E-00	1.7284E-02	6.9634E+03
3.9000E+01	5.2440E+01	1.7100E-00	6.0748E-01	5.6607E+01	5.4409E-00	1.0403E+01	1.5584E-02	7.1411E+03
4.0000E+01	5.4280E+01	1.6077E-00	5.8378E-01	5.9385E+01	5.4647E-00	1.0867E+01	1.4037E-02	7.3204E+03
4.1000E+01	5.6260E+01	1.5035E-00	5.5798E-01	6.2308E+01	5.4876E-00	1.1354E+01	1.2632E-02	7.5015E+03
4.2000E+01	5.8490E+01	1.3911E-00	5.2825E-01	6.5501E+01	5.5104E-00	1.1886E+01	1.1312E-02	7.6908E+03
4.3000E+01	6.1180E+01	1.2627E-00	4.9174E-01	6.9185E+01	5.5344E-00	1.2500E+01	1.0016E-02	7.8995E+03
4.4000E+01	6.5640E+01	1.0651E-00	4.3006E-01	7.4809E+01	5.5668E-00	1.3438E+01	8.4091E-03	8.1977E+03
4.4096E+01	6.7361E+01	9.9358E-01	4.0606E-01	7.6793E+01	5.5772E-00	1.3769E+01	7.9279E-03	8.3009E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 8.9$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{\text{ft}^2/\text{sec}^2 - \text{°R}}$
.0000E-99	6.4510E-00	8.9000E-00	9.6986E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	7.0900E-00	8.6051E-00	9.6785E-01	1.2411E-00	1.1665E-00	1.0639E-00	9.9897E-01	1.7636E-00
2.0000E-00	7.7800E-00	8.3329E-00	9.6583E-01	1.5267E-00	1.3499E-00	1.1309E-00	9.9233E-01	1.3210E+01
3.0000E-00	8.5300E-00	8.0518E-00	9.6353E-01	1.8664E-00	1.5507E-00	1.2036E-00	9.7573E-01	4.2159E+01
4.0000E-00	9.3200E-00	7.7969E-00	9.6125E-01	2.2570E-00	1.7611E-00	1.2815E-00	9.4727E-01	9.2947E+01
5.0000E-00	1.0170E+01	7.5152E-00	9.5847E-01	2.7144E-00	1.9836E-00	1.3683E-00	9.0562E-01	1.7010E+02
6.0000E-00	1.1060E+01	7.2409E-00	9.5547E-01	3.2342E-00	2.2097E-00	1.4636E-00	8.5266E-01	2.7351E+02
7.0000E-00	1.1980E+01	6.9836E-00	9.5237E-01	3.8149E-00	2.4340E-00	1.5673E-00	7.9142E-01	4.0141E+02
8.0000E-00	1.2940E+01	6.7184E-00	9.4882E-01	4.4673E-00	2.6562E-00	1.6818E-00	7.2415E-01	5.5384E+02
9.0000E-00	1.3940E+01	6.4425E-00	9.4471E-01	5.1965E-00	2.8740E-00	1.8080E-00	6.5379E-01	7.2924E+02
1.0000E+01	1.4960E+01	6.1842E-00	9.4041E-01	5.9915E-00	3.0812E-00	1.9444E-00	5.8440E-01	9.2177E+02
1.1000E+01	1.6000E+01	5.9385E-00	9.3585E-01	6.8544E-00	3.2772E-00	2.0915E-00	5.1800E-01	1.1287E+03
1.2000E+01	1.7070E+01	5.6892E-00	9.3069E-01	7.7960E-00	3.4630E-00	2.2512E-00	4.5542E-01	1.3496E+03
1.3000E+01	1.8150E+01	5.4602E-00	9.2540E-01	8.8006E-00	3.6352E-00	2.4209E-00	3.9864E-01	1.5781E+03
1.4000E+01	1.9260E+01	5.2258E-00	9.1937E-01	9.8881E-00	3.7971E-00	2.6041E-00	3.4697E-01	1.8164E+03
1.5000E+01	2.0380E+01	5.0078E-00	9.1311E-01	1.1040E+01	3.9460E-00	2.7978E-00	3.0137E-01	2.0581E+03
1.6000E+01	2.1510E+01	4.8038E-00	9.0659E-01	1.2257E+01	4.0829E-00	3.0020E-00	2.6147E-01	2.3019E+03
1.7000E+01	2.2660E+01	4.6030E-00	8.9948E-01	1.3549E+01	4.2096E-00	3.2186E-00	2.2649E-01	2.5483E+03
1.8000E+01	2.3830E+01	4.4059E-00	8.9173E-01	1.4918E+01	4.3268E-00	3.4478E-00	1.9601E-01	2.7962E+03
1.9000E+01	2.5010E+01	4.2203E-00	8.8363E-01	1.6351E+01	4.4340E-00	3.6875E-00	1.6980E-01	3.0426E+03
2.0000E+01	2.6200E+01	4.0452E-00	8.7519E-01	1.7846E+01	4.5323E-00	3.9377E-00	1.4730E-01	3.2866E+03
2.1000E+01	2.7400E+01	3.8795E-00	8.6638E-01	1.9404E+01	4.6223E-00	4.1980E-00	1.2800E-01	3.5275E+03
2.2000E+01	2.8610E+01	3.7224E-00	8.5723E-01	2.1022E+01	4.7047E-00	4.4683E-00	1.1147E-01	3.7648E+03
2.3000E+01	2.9840E+01	3.5680E-00	8.4735E-01	2.2713E+01	4.7810E-00	4.7506E-00	9.7193E-02	4.0000E+03
2.4000E+01	3.1080E+01	3.4218E-00	8.3711E-01	2.4460E+01	4.8509E-00	5.0424E-00	8.4962E-02	4.2308E+03
2.5000E+01	3.2340E+01	3.2786E-00	8.2615E-01	2.6278E+01	4.9156E-00	5.3458E-00	7.4396E-02	4.4587E+03
2.6000E+01	3.3610E+01	3.1433E-00	8.1486E-01	2.8148E+01	4.9750E-00	5.6579E-00	6.5336E-02	4.6815E+03
2.7000E+01	3.4900E+01	3.0115E-00	8.0288E-01	3.0084E+01	5.0300E-00	5.9809E-00	5.7497E-02	4.9009E+03
2.8000E+01	3.6200E+01	2.8871E-00	7.9060E-01	3.2068E+01	5.0805E-00	6.3118E-00	5.0760E-02	5.1147E+03
2.9000E+01	3.7520E+01	2.7662E-00	7.7769E-01	3.4111E+01	5.1274E-00	6.6527E-00	4.4915E-02	5.3246E+03
3.0000E+01	3.8860E+01	2.6493E-00	7.6419E-01	3.6211E+01	5.1708E-00	7.0030E-00	3.9842E-02	5.5303E+03
3.1000E+01	4.0220E+01	2.5365E-00	7.5014E-01	3.8365E+01	5.2110E-00	7.3622E-00	3.5432E-02	5.7316E+03
3.2000E+01	4.1600E+01	2.4280E-00	7.3559E-01	4.0568E+01	5.2484E-00	7.7296E-00	3.1596E-02	5.9283E+03
3.3000E+01	4.3020E+01	2.3192E-00	7.1990E-01	4.2848E+01	5.2834E-00	8.1098E-00	2.8209E-02	6.1228E+03
3.4000E+01	4.4460E+01	2.2157E-00	7.0386E-01	4.5168E+01	5.3159E-00	8.4967E-00	2.5261E-02	6.3122E+03
3.5000E+01	4.5940E+01	2.1133E-00	6.8688E-01	4.7555E+01	5.3464E-00	8.8946E-00	2.2659E-02	6.4988E+03
3.6000E+01	4.7460E+01	2.0131E-00	6.6908E-01	5.0002E+01	5.3750E-00	9.3026E-00	2.0363E-02	6.6820E+03
3.7000E+01	4.9040E+01	1.9125E-00	6.4998E-01	5.2533E+01	5.4020E-00	9.7247E-00	1.8317E-02	6.8638E+03
3.8000E+01	5.0680E+01	1.8130E-00	6.2980E-01	5.5140E+01	5.4275E-00	1.0159E+01	1.6498E-02	7.0433E+03
3.9000E+01	5.2400E+01	1.7133E-00	6.0821E-01	5.7842E+01	5.4517E-00	1.0609E+01	1.4868E-02	7.2217E+03
4.0000E+01	5.4220E+01	1.6128E-00	5.8500E-01	6.0654E+01	5.4749E-00	1.1078E+01	1.3401E-02	7.4000E+03
4.1000E+01	5.6200E+01	1.5079E-00	5.5910E-01	6.3647E+01	5.4974E-00	1.1577E+01	1.2053E-02	7.5819E+03
4.2000E+01	5.8420E+01	1.3957E-00	5.2949E-01	6.6901E+01	5.5198E-00	1.2120E+01	1.0793E-02	7.7713E+03
4.3000E+01	6.1090E+01	1.2678E-00	4.9322E-01	7.0647E+01	5.5433E-00	1.2744E+01	9.5601E-03	7.9796E+03
4.4000E+01	6.5370E+01	1.0772E-00	4.3403E-01	7.6194E+01	5.5741E-00	1.3669E+01	8.0691E-03	8.2706E+03
4.4129E+01	6.7370E+01	9.9374E-01	4.0611E-01	7.8563E+01	5.5861E-00	1.4064E+01	7.5307E-03	8.3891E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 9.0$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2}$ $\frac{sec^2}{sec^2 - O_R}$
.0000E-99	6.3790E-00	9.0000E-00	9.7050E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	7.0200E-00	8.6942E-00	9.6848E-01	1.2448E-00	1.1689E-00	1.0649E-00	9.9892E-01	1.8375E-00
2.0000E-00	7.7100E-00	8.4184E-00	9.6648E-01	1.5342E-00	1.3545E-00	1.1326E-00	9.9206E-01	1.3669E+01
3.0000E-00	8.4600E-00	8.1345E-00	9.6423E-01	1.8786E-00	1.5576E-00	1.2061E-00	9.7497E-01	4.3485E+01
4.0000E-00	9.2600E-00	7.8563E-00	9.6180E-01	2.2802E-00	1.7730E-00	1.2860E-00	9.4533E-01	9.6459E+01
5.0000E-00	1.0100E+01	7.5940E-00	9.5927E-01	2.7395E-00	1.9952E-00	1.3730E-00	9.0316E-01	1.7477E+02
6.0000E-00	1.0990E+01	7.3177E-00	9.5634E-01	3.2677E-00	2.2234E-00	1.4696E-00	8.4914E-01	2.8059E+02
7.0000E-00	1.1920E+01	7.0406E-00	9.5308E-01	3.8648E-00	2.4520E-00	1.5761E-00	7.8618E-01	4.1281E+02
8.0000E-00	1.2880E+01	6.7742E-00	9.4960E-01	4.5289E-00	2.6758E-00	1.6925E-00	7.1798E-01	5.6852E+02
9.0000E-00	1.3880E+01	6.4966E-00	9.4555E-01	5.2715E-00	2.8948E-00	1.8210E-00	6.4690E-01	7.4741E+02
1.0000E+01	1.4900E+01	6.2366E-00	9.4132E-01	6.0814E-00	3.1029E-00	1.9598E-00	5.7705E-01	9.4348E+02
1.1000E+01	1.5950E+01	5.9752E-00	9.3656E-01	6.9694E-00	3.3013E-00	2.1110E-00	5.0983E-01	1.1560E+03
1.2000E+01	1.7020E+01	5.7246E-00	9.3146E-01	7.9297E-00	3.4873E-00	2.2738E-00	4.4730E-01	1.3805E+03
1.3000E+01	1.8100E+01	5.4944E-00	9.2623E-01	8.9544E-00	3.6595E-00	2.4468E-00	3.9075E-01	1.6124E+03
1.4000E+01	1.9210E+01	5.2584E-00	9.2025E-01	1.0064E+01	3.8212E-00	2.6337E-00	3.3944E-01	1.8540E+03
1.5000E+01	2.0330E+01	5.0389E-00	9.1404E-01	1.1240E+01	3.9698E-00	2.8313E-00	2.9429E-01	2.0989E+03
1.6000E+01	2.1470E+01	4.8238E-00	9.0726E-01	1.2493E+01	4.1074E-00	3.0416E-00	2.5457E-01	2.3477E+03
1.7000E+01	2.2620E+01	4.6221E-00	9.0019E-01	1.3812E+01	4.2334E-00	3.2627E-00	2.2015E-01	2.5970E+03
1.8000E+01	2.3790E+01	4.4240E-00	8.9247E-01	1.5210E+01	4.3498E-00	3.4967E-00	1.9024E-01	2.8475E+03
1.9000E+01	2.4970E+01	4.2374E-00	8.8441E-01	1.6673E+01	4.4563E-00	3.7415E-00	1.6456E-01	3.0963E+03
2.0000E+01	2.6160E+01	4.0613E-00	8.7600E-01	1.8201E+01	4.5538E-00	3.9970E-00	1.4257E-01	3.3426E+03
2.1000E+01	2.7360E+01	3.8947E-00	8.6723E-01	1.9793E+01	4.6430E-00	4.2629E-00	1.2374E-01	3.5856E+03
2.2000E+01	2.8580E+01	3.7308E-00	8.5774E-01	2.1459E+01	4.7254E-00	4.5413E-00	1.0751E-01	3.8268E+03
2.3000E+01	2.9810E+01	3.5759E-00	8.4788E-01	2.3187E+01	4.8008E-00	4.8298E-00	9.3644E-02	4.0639E+03
2.4000E+01	3.1050E+01	3.4293E-00	8.3766E-01	2.4973E+01	4.8700E-00	5.1280E-00	8.1780E-02	4.2963E+03
2.5000E+01	3.2300E+01	3.2903E-00	8.2708E-01	2.6816E+01	4.9334E-00	5.4355E-00	7.1620E-02	4.5240E+03
2.6000E+01	3.3570E+01	3.1543E-00	8.1580E-01	2.8727E+01	4.9921E-00	5.7545E-00	6.2843E-02	4.7483E+03
2.7000E+01	3.4860E+01	3.0216E-00	8.0383E-01	3.0706E+01	5.0464E-00	6.0846E-00	5.5258E-02	4.9690E+03
2.8000E+01	3.6160E+01	2.8965E-00	7.9156E-01	3.2733E+01	5.0963E-00	6.4228E-00	4.8745E-02	5.1842E+03
2.9000E+01	3.7480E+01	2.7749E-00	7.7866E-01	3.4822E+01	5.1426E-00	6.7713E-00	4.3102E-02	5.3953E+03
3.0000E+01	3.8820E+01	2.6573E-00	7.6515E-01	3.6969E+01	5.1854E-00	7.1294E-00	3.8207E-02	5.6022E+03
3.1000E+01	4.0180E+01	2.5439E-00	7.5109E-01	3.9171E+01	5.2251E-00	7.4966E-00	3.3957E-02	5.8046E+03
3.2000E+01	4.1570E+01	2.4323E-00	7.3618E-01	4.1439E+01	5.2622E-00	7.8749E-00	3.0237E-02	6.0036E+03
3.3000E+01	4.2980E+01	2.3255E-00	7.2083E-01	4.3754E+01	5.2965E-00	8.2609E-00	2.7003E-02	6.1978E+03
3.4000E+01	4.4420E+01	2.2214E-00	7.0478E-01	4.6126E+01	5.3285E-00	8.6565E-00	2.4168E-02	6.3881E+03
3.5000E+01	4.5900E+01	2.1185E-00	6.8777E-01	4.8567E+01	5.3585E-00	9.0635E-00	2.1667E-02	6.5755E+03
3.6000E+01	4.7420E+01	2.0178E-00	6.6994E-01	5.1070E+01	5.3867E-00	9.4807E-00	1.9463E-02	6.7596E+03
3.7000E+01	4.9000E+01	1.9167E-00	6.5081E-01	5.3659E+01	5.4133E-00	9.9124E-00	1.7499E-02	6.9422E+03
3.8000E+01	5.0630E+01	1.8182E-00	6.3089E-01	5.6309E+01	5.4382E-00	1.0354E+01	1.5763E-02	7.1214E+03
3.9000E+01	5.2350E+01	1.7179E-00	6.0924E-01	5.9073E+01	5.4621E-00	1.0815E+01	1.4200E-02	7.3007E+03
4.0000E+01	5.4170E+01	1.6169E-00	5.8596E-01	6.1950E+01	5.4849E-00	1.1294E+01	1.2793E-02	7.4797E+03
4.1000E+01	5.6150E+01	1.5114E-00	5.5999E-01	6.5012E+01	5.5071E-00	1.1805E+01	1.1501E-02	7.6624E+03
4.2000E+01	5.8360E+01	1.3994E-00	5.3052E-01	6.8328E+01	5.5291E-00	1.2357E+01	1.0298E-02	7.8519E+03
4.3000E+01	6.1000E+01	1.2729E-00	4.9472E-01	7.2122E+01	5.5519E-00	1.2990E+01	9.1284E-03	8.0589E+03
4.4000E+01	6.5150E+01	1.0872E-00	4.3727E-01	7.7644E+01	5.5815E-00	1.3910E+01	7.7334E-03	8.3435E+03
4.4161E+01	6.7379E+01	9.9388E-01	4.0616E-01	8.0352E+01	5.5946E-00	1.4362E+01	7.1567E-03	8.4765E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 9.1$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2}$ sec ² -°R
.0000E-99	6.3090E-00	9.1000E-00	9.7111E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	6.9500E-00	8.7872E-00	9.6911E-01	1.2478E-00	1.1710E-00	1.0656E-00	9.9889E-01	1.8987E-00
2.0000E-00	7.6400E-00	8.5076E-00	9.6715E-01	1.5409E-00	1.3586E-00	1.1341E-00	9.9182E-01	1.4094E+01
3.0000E-00	8.3900E-00	8.2207E-00	9.6494E-01	1.8901E-00	1.5641E-00	1.2084E-00	9.7425E-01	4.4751E+01
4.0000E-00	9.1900E-00	7.9402E-00	9.6255E-01	2.2976E-00	1.7819E-00	1.2894E-00	9.4387E-01	9.9110E+01
5.0000E-00	1.0040E+01	7.6555E-00	9.5989E-01	2.7696E-00	2.0089E-00	1.3786E-00	9.0020E-01	1.8041E+02
6.0000E-00	1.0930E+01	7.3782E-00	9.5701E-01	3.3067E-00	2.2392E-00	1.4766E-00	8.4505E-01	2.8089E+02
7.0000E-00	1.1860E+01	7.0999E-00	9.5381E-01	3.9141E-00	2.4696E-00	1.5848E-00	7.8101E-01	4.2412E+02
8.0000E-00	1.2830E+01	6.8151E-00	9.5016E-01	4.5972E-00	2.6972E-00	1.7044E-00	7.1118E-01	5.8485E+02
9.0000E-00	1.3820E+01	6.5528E-00	9.4641E-01	5.3460E-00	2.9152E-00	1.8338E-00	6.4013E-01	7.6545E+02
1.0000E+01	1.4850E+01	6.2759E-00	9.4199E-01	6.1792E-00	3.1262E-00	1.9765E-00	5.6918E-01	9.6705E+02
1.1000E+01	1.5900E+01	6.0133E-00	9.3729E-01	7.0844E-00	3.3250E-00	2.1306E-00	5.0181E-01	1.1832E+03
1.2000E+01	1.6970E+01	5.7614E-00	9.3224E-01	8.0635E-00	3.5113E-00	2.2964E-00	4.3936E-01	1.4113E+03
1.3000E+01	1.8060E+01	5.5177E-00	9.2678E-01	9.1185E-00	3.6849E-00	2.4745E-00	3.8256E-01	1.6488E+03
1.4000E+01	1.9160E+01	5.2921E-00	9.2114E-01	1.0240E+01	3.8448E-00	2.6633E-00	3.3212E-01	1.8914E+03
1.5000E+01	2.0290E+01	5.0606E-00	9.1468E-01	1.1451E+01	3.9943E-00	2.8667E-00	2.8705E-01	2.1416E+03
1.6000E+01	2.1430E+01	4.8445E-00	9.0795E-01	1.2730E+01	4.1313E-00	3.0813E-00	2.4787E-01	2.3934E+03
1.7000E+01	2.2580E+01	4.6419E-00	9.0091E-01	1.4077E+01	4.2567E-00	3.3070E-00	2.1402E-01	2.6454E+03
1.8000E+01	2.3750E+01	4.4427E-00	8.9324E-01	1.5504E+01	4.3724E-00	3.5459E-00	1.8467E-01	2.8786E+03
1.9000E+01	2.4930E+01	4.2551E-00	8.8521E-01	1.6998E+01	4.4781E-00	3.7958E-00	1.5952E-01	3.1498E+03
2.0000E+01	2.6120E+01	4.0780E-00	8.7683E-01	1.8558E+01	4.5748E-00	4.0567E-00	1.3802E-01	3.3982E+03
2.1000E+01	2.7320E+01	3.9104E-00	8.6809E-01	2.0184E+01	4.6633E-00	4.3282E-00	1.1964E-01	3.6433E+03
2.2000E+01	2.8540E+01	3.7456E-00	8.5863E-01	2.1886E+01	4.7449E-00	4.6126E-00	1.0383E-01	3.8866E+03
2.3000E+01	2.9770E+01	3.5897E-00	8.4879E-01	2.3651E+01	4.8196E-00	4.9072E-00	9.0346E-02	4.1254E+03
2.4000E+01	3.1010E+01	3.4422E-00	8.3859E-01	2.5475E+01	4.8880E-00	5.2118E-00	7.8822E-02	4.3595E+03
2.5000E+01	3.2270E+01	3.2977E-00	8.2767E-01	2.7373E+01	4.9512E-00	5.5285E-00	6.8894E-02	4.5906E+03
2.6000E+01	3.3540E+01	3.1611E-00	8.1640E-01	2.9326E+01	5.0092E-00	5.8545E-00	6.0401E-02	4.8163E+03
2.7000E+01	3.4820E+01	3.0320E-00	8.0481E-01	3.1332E+01	5.0624E-00	6.1892E-00	5.3122E-02	5.0367E+03
2.8000E+01	3.6130E+01	2.9024E-00	7.9217E-01	3.3420E+01	5.1121E-00	6.5374E-00	4.6781E-02	5.2548E+03
2.9000E+01	3.7450E+01	2.7805E-00	7.7927E-01	3.5555E+01	5.1577E-00	6.8935E-00	4.1338E-02	5.4671E+03
3.0000E+01	3.8790E+01	2.6625E-00	7.6577E-01	3.7749E+01	5.1999E-00	7.2595E-00	3.6620E-02	5.6750E+03
3.1000E+01	4.0150E+01	2.5487E-00	7.5170E-01	4.0000E+01	5.2391E-00	7.6349E-00	3.2527E-02	5.8784E+03
3.2000E+01	4.1530E+01	2.4392E-00	7.3714E-01	4.2302E+01	5.2754E-00	8.0188E-00	2.8972E-02	6.0770E+03
3.3000E+01	4.2940E+01	2.3319E-00	7.2178E-01	4.4668E+01	5.3092E-00	8.4134E-00	2.5858E-02	6.2721E+03
3.4000E+01	4.4380E+01	2.2272E-00	7.0570E-01	4.7093E+01	5.3407E-00	8.8177E-00	2.3131E-02	6.4633E+03
3.5000E+01	4.5860E+01	2.1238E-00	6.8867E-01	4.9589E+01	5.3703E-00	9.2338E-00	2.0727E-02	6.6516E+03
3.6000E+01	4.7380E+01	2.0226E-00	6.7082E-01	5.2147E+01	5.3980E-00	9.6604E-00	1.8610E-02	6.8366E+03
3.7000E+01	4.8960E+01	1.9210E-00	6.5165E-01	5.4795E+01	5.4242E-00	1.0101E+01	1.6724E-02	7.0199E+03
3.8000E+01	5.0590E+01	1.8221E-00	6.3170E-01	5.7505E+01	5.4488E-00	1.0553E+01	1.5059E-02	7.1999E+03
3.9000E+01	5.2300E+01	1.7226E-00	6.1029E-01	6.0315E+01	5.4722E-00	1.1022E+01	1.3567E-02	7.3789E+03
4.0000E+01	5.4130E+01	1.6199E-00	5.8667E-01	6.3275E+01	5.4947E-00	1.1515E+01	1.2210E-02	7.5597E+03
4.1000E+01	5.6090E+01	1.5159E-00	5.6115E-01	6.6375E+01	5.5164E-00	1.2032E+01	1.0984E-02	7.7413E+03
4.2000E+01	5.8290E+01	1.4041E-00	5.3180E-01	6.9753E+01	5.5379E-00	1.2595E+01	9.8358E-03	7.9308E+03
4.3000E+01	6.0920E+01	1.2774E-00	4.9604E-01	7.3623E+01	5.5604E-00	1.3240E+01	8.7165E-03	8.1381E+03
4.4000E+01	6.4940E+01	1.0769E-00	4.4041E-01	7.9112E+01	5.5887E-00	1.4155E+01	7.4131E-03	8.4161E+03
4.4192E+01	6.7387E+01	9.9405E-01	4.0622E-01	8.2161E+01	5.6030E-00	1.4663E+01	6.8045E-03	8.5631E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 9.2$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S}{\text{ft}^2 \text{ sec}^2 - ^\circ R}$
.0000E-99	6.2400E-00	9.2000E-00	9.7171E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	6.8800E-00	8.8843E-00	9.6975E-01	1.2503E-00	1.1726E-00	1.0662E-00	9.9886E-01	1.9492E-00
2.0000E-00	7.5700E-00	8.6007E-00	9.6782E-01	1.5470E-00	1.3624E-00	1.1355E-00	9.9159E-01	1.4482E+01
3.0000E-00	8.3200E-00	8.3106E-00	9.6565E-01	1.9009E-00	1.5701E-00	1.2106E-00	9.7357E-01	4.5951E+01
4.0000E-00	9.1200E-00	8.0276E-00	9.6332E-01	2.3141E-00	1.7903E-00	1.2926E-00	9.4247E-01	1.0166E+02
5.0000E-00	9.9700E-00	7.7405E-00	9.6071E-01	2.7932E-00	2.0196E-00	1.3830E-00	8.9786E-01	1.8487E+02
6.0000E-00	1.0870E+01	7.4412E-00	9.5769E-01	3.3450E-00	2.2547E-00	1.4835E-00	8.4101E-01	2.9711E+02
7.0000E-00	1.1800E+01	7.1617E-00	9.5455E-01	3.9627E-00	2.4869E-00	1.5934E-00	7.7592E-01	4.3535E+02
8.0000E-00	1.2770E+01	6.8752E-00	9.5096E-01	4.6578E-00	2.7160E-00	1.7149E-00	7.0519E-01	5.9936E+02
9.0000E-00	1.3770E+01	6.5949E-00	9.4704E-01	5.4279E-00	2.9373E-00	1.8479E-00	6.3277E-01	7.8531E+02
1.0000E+01	1.4800E+01	6.3168E-00	9.4268E-01	6.2768E-00	3.1490E-00	1.9932E-00	5.6144E-01	9.9055E+02
1.1000E+01	1.5850E+01	6.0529E-00	9.3803E-01	7.1993E-00	3.3483E-00	2.1501E-00	4.9394E-01	1.2103E+03
1.2000E+01	1.6920E+01	5.7995E-00	9.3304E-01	8.1974E-00	3.5347E-00	2.3190E-00	4.3158E-01	1.4419E+03
1.3000E+01	1.8010E+01	5.5542E-00	9.2764E-01	9.2729E-00	3.7083E-00	2.5005E-00	3.7505E-01	1.6828E+03
1.4000E+01	1.9120E+01	5.3156E-00	9.2176E-01	1.0427E+01	3.8694E-00	2.6948E-00	3.2456E-01	1.9309E+03
1.5000E+01	2.0250E+01	5.0830E-00	9.1534E-01	1.1662E+01	4.0184E-00	2.9023E-00	2.8001E-01	2.1842E+03
1.6000E+01	2.1390E+01	4.8660E-00	9.0865E-01	1.2968E+01	4.1548E-00	3.1212E-00	2.4139E-01	2.4389E+03
1.7000E+01	2.2540E+01	4.6623E-00	9.0166E-01	1.4343E+01	4.2795E-00	3.3516E-00	2.0809E-01	2.6936E+03
1.8000E+01	2.3710E+01	4.4620E-00	8.9402E-01	1.5799E+01	4.3944E-00	3.5953E-00	1.7928E-01	2.9493E+03
1.9000E+01	2.4890E+01	4.2733E-00	8.8603E-01	1.7325E+01	4.4994E-00	3.8504E-00	1.5465E-01	3.2029E+03
2.0000E+01	2.6080E+01	4.0952E-00	8.7768E-01	1.8918E+01	4.5954E-00	4.1167E-00	1.3363E-01	3.4536E+03
2.1000E+01	2.7290E+01	3.9201E-00	8.6862E-01	2.0591E+01	4.6837E-00	4.3963E-00	1.1557E-01	3.7028E+03
2.2000E+01	2.8500E+01	3.7607E-00	8.5954E-01	2.2316E+01	4.7639E-00	4.6843E-00	1.0030E-01	3.9459E+03
2.3000E+01	2.9730E+01	3.6039E-00	8.4972E-01	2.4118E+01	4.8379E-00	4.9852E-00	8.7185E-02	4.1865E+03
2.4000E+01	3.0980E+01	3.4503E-00	8.3918E-01	2.5996E+01	4.9061E-00	5.2988E-00	7.5908E-02	4.4242E+03
2.5000E+01	3.2230E+01	3.3100E-00	8.2864E-01	2.7919E+01	4.9681E-00	5.6197E-00	6.6359E-02	4.6549E+03
2.6000E+01	3.3500E+01	3.1726E-00	8.1738E-01	2.9915E+01	5.0254E-00	5.9526E-00	5.8129E-02	4.8821E+03
2.7000E+01	3.4790E+01	3.0386E-00	8.0543E-01	3.1980E+01	5.0784E-00	6.2972E-00	5.1033E-02	5.1055E+03
2.8000E+01	3.6090E+01	2.9123E-00	7.9317E-01	3.4097E+01	5.1271E-00	6.6503E-00	4.4953E-02	5.3232E+03
2.9000E+01	3.7410E+01	2.7896E-00	7.8027E-01	3.6278E+01	5.1721E-00	7.0141E-00	3.9694E-02	5.5367E+03
3.0000E+01	3.8750E+01	2.6709E-00	7.6676E-01	3.8520E+01	5.2138E-00	7.3881E-00	3.5142E-02	5.7457E+03
3.1000E+01	4.0110E+01	2.5564E-00	7.5269E-01	4.0819E+01	5.2524E-00	7.7715E-00	3.1195E-02	5.9502E+03
3.2000E+01	4.1500E+01	2.4437E-00	7.3776E-01	4.3189E+01	5.2884E-00	8.1667E-00	2.7746E-02	6.1512E+03
3.3000E+01	4.2910E+01	2.3360E-00	7.2239E-01	4.5607E+01	5.3218E-00	8.5700E-00	2.4751E-02	6.3472E+03
3.4000E+01	4.4350E+01	2.2310E-00	7.0630E-01	4.8086E+01	5.3528E-00	8.9833E-00	2.2130E-02	6.5392E+03
3.5000E+01	4.5830E+01	2.1272E-00	6.8926E-01	5.0637E+01	5.3820E-00	9.4085E-00	1.9821E-02	6.7283E+03
3.6000E+01	4.7350E+01	2.0257E-00	6.7139E-01	5.3252E+01	5.4093E-00	9.8445E-00	1.7788E-02	6.9140E+03
3.7000E+01	4.8920E+01	1.9254E-00	6.5251E-01	5.5941E+01	5.4349E-00	1.0292E+01	1.5989E-02	7.0970E+03
3.8000E+01	5.0550E+01	1.8260E-00	6.3252E-01	5.8712E+01	5.4591E-00	1.0754E+01	1.4391E-02	7.2777E+03
3.9000E+01	5.2260E+01	1.7261E-00	6.1106E-01	6.1585E+01	5.4821E-00	1.1233E+01	1.2960E-02	7.4574E+03
4.0000E+01	5.4080E+01	1.6241E-00	5.8767E-01	6.4595E+01	5.5042E-00	1.1735E+01	1.1666E-02	7.6379E+03
4.1000E+01	5.6040E+01	1.5195E-00	5.6207E-01	6.7766E+01	5.5255E-00	1.2264E+01	1.0490E-02	7.8203E+03
4.2000E+01	5.8230E+01	1.4080E-00	5.3286E-01	7.1206E+01	5.5466E-00	1.2837E+01	9.3933E-03	8.0098E+03
4.3000E+01	6.0840E+01	1.2819E-00	4.9737E-01	7.5136E+01	5.5686E-00	1.3492E+01	8.3271E-03	8.2166E+03
4.4000E+01	6.4760E+01	1.1052E-00	4.4311E-01	8.0625E+01	5.5959E-00	1.4407E+01	7.1020E-03	8.4896E+03
4.4222E+01	6.7396E+01	9.9417E-01	4.0626E-01	8.3992E+01	5.6110E-00	1.4968E+01	6.4724E-03	8.6489E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 9.3$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2 \sec^2 - O_R}$
.0000E-99	6.1730E-00	9.3000E-00	9.7228E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	6.8100E-00	8.9856E-00	9.7040E-01	1.2521E-00	1.1738E-00	1.0666E-00	9.9884E-01	1.9873E-00
2.0000E-00	7.5000E-00	8.6977E-00	9.6850E-01	1.5524E-00	1.3657E-00	1.1367E-00	9.9139E-01	1.4830E+01
3.0000E-00	8.2600E-00	8.3801E-00	9.6619E-01	1.9159E-00	1.5785E-00	1.2137E-00	9.7261E-01	4.7651E+01
4.0000E-00	9.0600E-00	8.0958E-00	9.6390E-01	2.3354E-00	1.8010E-00	1.2966E-00	9.4065E-01	1.0498E+02
5.0000E-00	9.9100E-00	7.8076E-00	9.6135E-01	2.8220E-00	2.0326E-00	1.3883E-00	8.9499E-01	1.9035E+02
6.0000E-00	1.0810E+01	7.5068E-00	9.5838E-01	3.3827E-00	2.2697E-00	1.4903E-00	8.3704E-01	3.0524E+02
7.0000E-00	1.1750E+01	7.2070E-00	9.5508E-01	4.0178E-00	2.5062E-00	1.6031E-00	7.7018E-01	4.4810E+02
8.0000E-00	1.2720E+01	6.9198E-00	9.5155E-01	4.7254E-00	2.7367E-00	1.7266E-00	6.9856E-01	6.1557E+02
9.0000E-00	1.3720E+01	6.6386E-00	9.4768E-01	5.5095E-00	2.9590E-00	1.8619E-00	6.2552E-01	8.0509E+02
1.0000E+01	1.4750E+01	6.3592E-00	9.4337E-01	6.3742E-00	3.1715E-00	2.0098E-00	5.5383E-01	1.0139E+03
1.1000E+01	1.5800E+01	6.0939E-00	9.3879E-01	7.3141E-00	3.3712E-00	2.1695E-00	4.8623E-01	1.2373E+03
1.2000E+01	1.6870E+01	5.8389E-00	9.3386E-01	8.3312E-00	3.5577E-00	2.3416E-00	4.2398E-01	1.4724E+03
1.3000E+01	1.7970E+01	5.5795E-00	9.2823E-01	9.4379E-00	3.7328E-00	2.5283E-00	3.6724E-01	1.7189E+03
1.4000E+01	1.9080E+01	5.3400E-00	9.2239E-01	1.0615E+01	3.8935E-00	2.7264E-00	3.1720E-01	1.9702E+03
1.5000E+01	2.0200E+01	5.1170E-00	9.1632E-01	1.1864E+01	4.0407E-00	2.9361E-00	2.7354E-01	2.2244E+03
1.6000E+01	2.1350E+01	4.8882E-00	9.0937E-01	1.3207E+01	4.1778E-00	3.1613E-00	2.3510E-01	2.4842E+03
1.7000E+01	2.2500E+01	4.6834E-00	9.0242E-01	1.4610E+01	4.3018E-00	3.3963E-00	2.0235E-01	2.7416E+03
1.8000E+01	2.3670E+01	4.4819E-00	8.9482E-01	1.6096E+01	4.4160E-00	3.6450E-00	1.7408E-01	2.9998E+03
1.9000E+01	2.4850E+01	4.2922E-00	8.8686E-01	1.7653E+01	4.5203E-00	3.9054E-00	1.4996E-01	3.2558E+03
2.0000E+01	2.6040E+01	4.1129E-00	8.7855E-01	1.9279E+01	4.6154E-00	4.1771E-00	1.2942E-01	3.5086E+03
2.1000E+01	2.7250E+01	3.9366E-00	8.6952E-01	2.0987E+01	4.7031E-00	4.4625E-00	1.1179E-01	3.7598E+03
2.2000E+01	2.8470E+01	3.7702E-00	8.6010E-01	2.2763E+01	4.7831E-00	4.7590E-00	9.6810E-02	4.0068E+03
2.3000E+01	2.9700E+01	3.6128E-00	8.5031E-01	2.4603E+01	4.8563E-00	5.0662E-00	8.4060E-02	4.2491E+03
2.4000E+01	3.0940E+01	3.4638E-00	8.4015E-01	2.6506E+01	4.9232E-00	5.3839E-00	7.3200E-02	4.4865E+03
2.5000E+01	3.2200E+01	3.3179E-00	8.2925E-01	2.8486E+01	4.9850E-00	5.7142E-00	6.3867E-02	4.7206E+03
2.6000E+01	3.3470E+01	3.1799E-00	8.1801E-01	3.0523E+01	5.0417E-00	6.0542E-00	5.5902E-02	4.9492E+03
2.7000E+01	3.4760E+01	3.0455E-00	8.0606E-01	3.2633E+01	5.0940E-00	6.4062E-00	4.9041E-02	5.1738E+03
2.8000E+01	3.6060E+01	2.9187E-00	7.9381E-01	3.4795E+01	5.1420E-00	6.7668E-00	4.3168E-02	5.3927E+03
2.9000E+01	3.7380E+01	2.7955E-00	7.8091E-01	3.7023E+01	5.1864E-00	7.1385E-00	3.8094E-02	5.6073E+03
3.0000E+01	3.8720E+01	2.6764E-00	7.6741E-01	3.9314E+01	5.2276E-00	7.5205E-00	3.3704E-02	5.8174E+03
3.1000E+01	4.0080E+01	2.5615E-00	7.5334E-01	4.1663E+01	5.2656E-00	7.9123E-00	2.9901E-02	6.0228E+03
3.2000E+01	4.1460E+01	2.4510E-00	7.3876E-01	4.4067E+01	5.3009E-00	8.3131E-00	2.6603E-02	6.2234E+03
3.3000E+01	4.2870E+01	2.3426E-00	7.2337E-01	4.6538E+01	5.3338E-00	8.7251E-00	2.3719E-02	6.4203E+03
3.4000E+01	4.4320E+01	2.2349E-00	7.0692E-01	4.9088E+01	5.3646E-00	9.1503E-00	2.1181E-02	6.6145E+03
3.5000E+01	4.5790E+01	2.1328E-00	6.9020E-01	5.1677E+01	5.3931E-00	9.5819E-00	1.8976E-02	6.8031E+03
3.6000E+01	4.7310E+01	2.0307E-00	6.7229E-01	5.4349E+01	5.4200E-00	1.0027E+01	1.7022E-02	6.9896E+03
3.7000E+01	4.8880E+01	1.9299E-00	6.5338E-01	5.7098E+01	5.4453E-00	1.0485E+01	1.5294E-02	7.1733E+03
3.8000E+01	5.0510E+01	1.8300E-00	6.3335E-01	5.9930E+01	5.4691E-00	1.0957E+01	1.3759E-02	7.3548E+03
3.9000E+01	5.2220E+01	1.7297E-00	6.1185E-01	6.2867E+01	5.4917E-00	1.1447E+01	1.2386E-02	7.5352E+03
4.0000E+01	5.4030E+01	1.6283E-00	5.8868E-01	6.5926E+01	5.5133E-00	1.1957E+01	1.1150E-02	7.7155E+03
4.1000E+01	5.5990E+01	1.5232E-00	5.6300E-01	6.9169E+01	5.5343E-00	1.2498E+01	1.0022E-02	7.8986E+03
4.2000E+01	5.8170E+01	1.4120E-00	5.3393E-01	7.2671E+01	5.5551E-00	1.3081E+01	8.9746E-03	8.0881E+03
4.3000E+01	6.0770E+01	1.2859E-00	4.9852E-01	7.6677E+01	5.5766E-00	1.3749E+01	7.9550E-03	8.2950E+03
4.4000E+01	6.4600E+01	1.1127E-00	4.4551E-01	8.2173E+01	5.6030E-00	1.4665E+01	6.8023E-03	8.5636E+03
4.4251E+01	6.7404E+01	9.9430E-01	4.0630E-01	8.5841E+01	5.6189E-00	1.5277E+01	6.1594E-03	8.7340E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 9.4$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2}$ $\sec^2 \cdot ^\circ R$
.0000E-99	6.1070E-00	9.4000E-00	9.7285E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	6.7400E-00	9.0913E-00	9.7105E-01	1.2532E-00	1.1745E-00	1.0669E-00	9.9882E-01	2.0118E-00
2.0000E-00	7.4400E-00	8.7725E-00	9.6901E-01	1.5618E-00	1.3714E-00	1.1387E-00	9.9104E-01	1.5443E+01
3.0000E-00	8.1900E-00	8.4771E-00	9.6692E-01	1.9253E-00	1.5837E-00	1.2156E-00	9.7200E-01	4.8723E+01
4.0000E-00	9.0000E-00	8.1669E-00	9.6450E-01	2.3560E-00	1.8114E-00	1.3006E-00	9.3886E-01	1.0824E+02
5.0000E-00	9.8500E-00	7.8774E-00	9.6199E-01	2.8501E-00	2.0452E-00	1.3935E-00	8.9218E-01	1.9576E+02
6.0000E-00	1.0750E+01	7.5750E-00	9.5908E-01	3.4198E-00	2.2844E-00	1.4970E-00	8.3313E-01	3.1328E+02
7.0000E-00	1.1690E+01	7.2734E-00	9.5584E-01	4.0654E-00	2.5227E-00	1.6115E-00	7.6523E-01	4.5914E+02
8.0000E-00	1.2660E+01	6.9843E-00	9.5238E-01	4.7849E-00	2.7547E-00	1.7369E-00	6.9276E-01	6.2987E+02
9.0000E-00	1.3670E+01	6.6840E-00	9.4834E-01	5.5909E-00	2.9803E-00	1.8758E-00	6.1837E-01	8.2481E+02
1.0000E+01	1.4700E+01	6.4033E-00	9.4409E-01	6.4714E-00	3.1935E-00	2.0263E-00	5.4635E-01	1.0372E+03
1.1000E+01	1.5750E+01	6.1364E-00	9.3956E-01	7.4287E-00	3.3936E-00	2.1890E-00	4.7868E-01	1.2642E+03
1.2000E+01	1.6830E+01	5.8662E-00	9.3441E-01	8.4750E-00	3.5820E-00	2.3659E-00	4.1601E-01	1.5050E+03
1.3000E+01	1.7920E+01	5.6183E-00	9.2911E-01	9.5928E-00	3.7553E-00	2.5544E-00	3.6009E-01	1.7526E+03
1.4000E+01	1.9030E+01	5.3769E-00	9.2333E-01	1.0793E+01	3.9158E-00	2.7563E-00	3.1045E-01	2.0072E+03
1.5000E+01	2.0160E+01	5.1412E-00	9.1702E-01	1.2077E+01	4.0639E-00	2.9719E-00	2.6689E-01	2.2666E+03
1.6000E+01	2.1310E+01	4.9111E-00	9.1010E-01	1.3447E+01	4.2003E-00	3.2016E-00	2.2900E-01	2.5293E+03
1.7000E+01	2.2460E+01	4.7052E-00	9.0319E-01	1.4879E+01	4.3236E-00	3.4413E-00	1.9680E-01	2.7894E+03
1.8000E+01	2.3630E+01	4.5025E-00	8.9563E-01	1.6395E+01	4.4371E-00	3.6950E-00	1.6906E-01	3.0501E+03
1.9000E+01	2.4810E+01	4.3115E-00	8.8771E-01	1.7984E+01	4.5407E-00	3.9606E-00	1.4544E-01	3.3083E+03
2.0000E+01	2.6010E+01	4.1239E-00	8.7909E-01	1.9657E+01	4.6358E-00	4.2403E-00	1.2520E-01	3.5654E+03
2.1000E+01	2.7220E+01	3.9470E-00	8.7008E-01	2.1401E+01	4.7226E-00	4.5316E-00	1.0803E-01	3.8186E+03
2.2000E+01	2.8430E+01	3.7861E-00	8.6104E-01	2.3198E+01	4.8013E-00	4.8317E-00	9.3563E-02	4.0654E+03
2.3000E+01	2.9670E+01	3.6220E-00	8.5091E-01	2.5092E+01	4.8743E-00	5.1479E-00	8.1066E-02	4.3114E+03
2.4000E+01	3.0910E+01	3.4725E-00	8.4076E-01	2.7035E+01	4.9405E-00	5.4722E-00	7.0528E-02	4.5503E+03
2.5000E+01	3.2170E+01	3.3260E-00	8.2988E-01	2.9056E+01	5.0016E-00	5.8095E-00	6.1484E-02	4.7858E+03
2.6000E+01	3.3440E+01	3.1875E-00	8.1865E-01	3.1137E+01	5.0575E-00	6.1566E-00	5.3774E-02	5.0157E+03
2.7000E+01	3.4730E+01	3.0525E-00	8.0671E-01	3.3292E+01	5.1092E-00	6.5160E-00	4.7140E-02	5.2417E+03
2.8000E+01	3.6030E+01	2.9252E-00	7.9447E-01	3.5500E+01	5.1566E-00	6.8844E-00	4.1467E-02	5.4617E+03
2.9000E+01	3.7350E+01	2.8016E-00	7.8158E-01	3.7775E+01	5.2004E-00	7.2639E-00	3.6569E-02	5.6774E+03
3.0000E+01	3.8690E+01	2.6820E-00	7.6807E-01	4.0115E+01	5.2410E-00	7.6541E-00	3.2335E-02	5.8885E+03
3.1000E+01	4.0050E+01	2.5666E-00	7.5399E-01	4.2515E+01	5.2785E-00	8.0542E-00	2.8671E-02	6.0949E+03
3.2000E+01	4.1430E+01	2.4558E-00	7.3941E-01	4.4970E+01	5.3133E-00	8.4636E-00	2.5495E-02	6.2964E+03
3.3000E+01	4.2840E+01	2.3470E-00	7.2401E-01	4.7494E+01	5.3457E-00	8.8845E-00	2.2720E-02	6.4941E+03
3.4000E+01	4.4280E+01	2.2410E-00	7.0789E-01	5.0081E+01	5.3759E-00	9.3159E-00	2.0295E-02	6.6879E+03
3.5000E+01	4.5760E+01	2.1364E-00	6.9081E-01	5.2744E+01	5.4041E-00	9.7598E-00	1.8160E-02	6.8785E+03
3.6000E+01	4.7280E+01	2.0339E-00	6.7289E-01	5.5474E+01	5.4306E-00	1.0215E+01	1.6283E-02	7.0657E+03
3.7000E+01	4.8840E+01	1.9345E-00	6.5427E-01	5.8265E+01	5.4553E-00	1.0680E+01	1.4634E-02	7.2490E+03
3.8000E+01	5.0470E+01	1.8341E-00	6.3420E-01	6.1158E+01	5.4788E-00	1.1162E+01	1.3160E-02	7.4312E+03
3.9000E+01	5.2180E+01	1.7333E-00	6.1265E-01	6.4160E+01	5.5011E-00	1.1663E+01	1.1841E-02	7.6123E+03
4.0000E+01	5.3990E+01	1.6315E-00	5.8943E-01	6.7287E+01	5.5224E-00	1.2184E+01	1.0656E-02	7.7933E+03
4.1000E+01	5.5940E+01	1.5270E-00	5.6395E-01	7.0585E+01	5.5429E-00	1.2734E+01	9.5790E-03	7.9762E+03
4.2000E+01	5.8120E+01	1.4152E-00	5.3479E-01	7.4165E+01	5.5634E-00	1.3331E+01	8.5740E-03	8.1664E+03
4.3000E+01	6.0690E+01	1.2906E-00	4.9989E-01	7.8216E+01	5.5844E-00	1.4006E+01	7.6064E-03	8.3719E+03
4.4000E+01	6.4450E+01	1.1198E-00	4.4778E-01	8.3744E+01	5.6100E-00	1.4927E+01	6.5160E-03	8.6374E+03
4.4279E+01	6.7411E+01	9.9446E-01	4.0636E-01	8.7710E+01	5.6265E-00	1.5588E+01	5.8642E-03	8.8183E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 9.5$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2}$ $\frac{sec^2}{sec^2 - O_R}$
.0000E-99	6.0420E-00	9.5000E-00	9.7340E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	6.6800E-00	9.1726E-00	9.7154E-01	1.2580E-00	1.1777E-00	1.0681E-00	9.9876E-01	2.1155E-00
2.0000E-00	7.3800E-00	8.8503E-00	9.6953E-01	1.5705E-00	1.3768E-00	1.1407E-00	9.9070E-01	1.6031E+01
3.0000E-00	8.1300E-00	8.5529E-00	9.6748E-01	1.9391E-00	1.5914E-00	1.2184E-00	9.7110E-01	5.0318E+01
4.0000E-00	8.9400E-00	8.2408E-00	9.6510E-01	2.3760E-00	1.8214E-00	1.3045E-00	9.3712E-01	1.1143E+02
5.0000E-00	9.7900E-00	7.9500E-00	9.6264E-01	2.8775E-00	2.0574E-00	1.3985E-00	8.8942E-01	2.0108E+02
6.0000E-00	1.0690E+01	7.6459E-00	9.5979E-01	3.4562E-00	2.2987E-00	1.5035E-00	8.2928E-01	3.2121E+02
7.0000E-00	1.1640E+01	7.3227E-00	9.5640E-01	4.1195E-00	2.5413E-00	1.6210E-00	7.5962E-01	4.7177E+02
8.0000E-00	1.2610E+01	7.0328E-00	9.5299E-01	4.8516E-00	2.7746E-00	1.7485E-00	6.8631E-01	6.4592E+02
9.0000E-00	1.3620E+01	6.7312E-00	9.4900E-01	5.6719E-00	3.0013E-00	1.8897E-00	6.1134E-01	8.4444E+02
1.0000E+01	1.4650E+01	6.4489E-00	9.4481E-01	6.5683E-00	3.2152E-00	2.0428E-00	5.3901E-01	1.0605E+03
1.1000E+01	1.5710E+01	6.1657E-00	9.4008E-01	7.5528E-00	3.4175E-00	2.2100E-00	4.7066E-01	1.2931E+03
1.2000E+01	1.6780E+01	5.9083E-00	9.3526E-01	8.6090E-00	3.6042E-00	2.3885E-00	4.0874E-01	1.5352E+03
1.3000E+01	1.7880E+01	5.6457E-00	9.2973E-01	9.7585E-00	3.7789E-00	2.5823E-00	3.5265E-01	1.7885E+03
1.4000E+01	1.8990E+01	5.4032E-00	9.2400E-01	1.0982E+01	3.9390E-00	2.7880E-00	3.0347E-01	2.0462E+03
1.5000E+01	2.0120E+01	5.1662E-00	9.1772E-01	1.2292E+01	4.0866E-00	3.0079E-00	2.6043E-01	2.3087E+03
1.6000E+01	2.1270E+01	4.9348E-00	9.1085E-01	1.3689E+01	4.2224E-00	3.2421E-00	2.2309E-01	2.5742E+03
1.7000E+01	2.2430E+01	4.7184E-00	9.0366E-01	1.5162E+01	4.3461E-00	3.4886E-00	1.9118E-01	2.8391E+03
1.8000E+01	2.3600E+01	4.5151E-00	8.9612E-01	1.6709E+01	4.4587E-00	3.7475E-00	1.6400E-01	3.1022E+03
1.9000E+01	2.4780E+01	4.3236E-00	8.8824E-01	1.8330E+01	4.5614E-00	4.0185E-00	1.4090E-01	3.3627E+03
2.0000E+01	2.5970E+01	4.1425E-00	8.7998E-01	2.0023E+01	4.6550E-00	4.3014E-00	1.2130E-01	3.6198E+03
2.1000E+01	2.7180E+01	3.9645E-00	8.7100E-01	2.1803E+01	4.7411E-00	4.5986E-00	1.0454E-01	3.8749E+03
2.2000E+01	2.8400E+01	3.7963E-00	8.6164E-01	2.3652E+01	4.8196E-00	4.9074E-00	9.0338E-02	4.1255E+03
2.3000E+01	2.9630E+01	3.6372E-00	8.5189E-01	2.5569E+01	4.8913E-00	5.2275E-00	7.8286E-02	4.3713E+03
2.4000E+01	3.0880E+01	3.4814E-00	8.4140E-01	2.7569E+01	4.9573E-00	5.5612E-00	6.7971E-02	4.6137E+03
2.5000E+01	3.2140E+01	3.3343E-00	8.3053E-01	2.9632E+01	5.0177E-00	5.9055E-00	5.9206E-02	4.8506E+03
2.6000E+01	3.3410E+01	3.1953E-00	8.1931E-01	3.1756E+01	5.0730E-00	6.2599E-00	5.1741E-02	5.0819E+03
2.7000E+01	3.4700E+01	3.0598E-00	8.0738E-01	3.3956E+01	5.1240E-00	6.6268E-00	4.5325E-02	5.3090E+03
2.8000E+01	3.6000E+01	2.9319E-00	7.9514E-01	3.6210E+01	5.1708E-00	7.0029E-00	3.9844E-02	5.5302E+03
2.9000E+01	3.7320E+01	2.8078E-00	7.8225E-01	3.8534E+01	5.2140E-00	7.3904E-00	3.5116E-02	5.7470E+03
3.0000E+01	3.8660E+01	2.6877E-00	7.6874E-01	4.0923E+01	5.2541E-00	7.7888E-00	3.1032E-02	5.9591E+03
3.1000E+01	4.0020E+01	2.5720E-00	7.5467E-01	4.3373E+01	5.2911E-00	8.1974E-00	2.7501E-02	6.1664E+03
3.2000E+01	4.1400E+01	2.4606E-00	7.4007E-01	4.5881E+01	5.3253E-00	8.6155E-00	2.4442E-02	6.3688E+03
3.3000E+01	4.2810E+01	2.3515E-00	7.2467E-01	4.8458E+01	5.3573E-00	9.0453E-00	2.1771E-02	6.5673E+03
3.4000E+01	4.4250E+01	2.2451E-00	7.0854E-01	5.1101E+01	5.3870E-00	9.4859E-00	1.9438E-02	6.7619E+03
3.5000E+01	4.5730E+01	2.1401E-00	6.9144E-01	5.3820E+01	5.4149E-00	9.9393E-00	1.7386E-02	6.9533E+03
3.6000E+01	4.7240E+01	2.0391E-00	6.7382E-01	5.6591E+01	5.4408E-00	1.0401E+01	1.5593E-02	7.1400E+03
3.7000E+01	4.8810E+01	1.9375E-00	6.5486E-01	5.9460E+01	5.4653E-00	1.0879E+01	1.3998E-02	7.3252E+03
3.8000E+01	5.0440E+01	1.8368E-00	6.3476E-01	6.2416E+01	5.4884E-00	1.1372E+01	1.2584E-02	7.5080E+03
3.9000E+01	5.2140E+01	1.7370E-00	6.1347E-01	6.5465E+01	5.5102E-00	1.1880E+01	1.1326E-02	7.6887E+03
4.0000E+01	5.3950E+01	1.6348E-00	5.9019E-01	6.8660E+01	5.5312E-00	1.2413E+01	1.0188E-02	7.8704E+03
4.1000E+01	5.5900E+01	1.5298E-00	5.6465E-01	7.2030E+01	5.5514E-00	1.2975E+01	9.1545E-03	8.0540E+03
4.2000E+01	5.8060E+01	1.4193E-00	5.3590E-01	7.5656E+01	5.5713E-00	1.3579E+01	8.1988E-03	8.2432E+03
4.3000E+01	6.0620E+01	1.2946E-00	5.0106E-01	7.9782E+01	5.5919E-00	1.4267E+01	7.2729E-03	8.4488E+03
4.4000E+01	6.4310E+01	1.1265E-00	4.4992E-01	8.5338E+01	5.6168E-00	1.5193E+01	6.2424E-03	8.7110E+03
4.4306E+01	6.7419E+01	9.9457E-01	4.0639E-01	8.9600E+01	5.6338E-00	1.5903E+01	5.5854E-03	8.9018E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 9.6$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S}{ft^2}$ sec ² -°R
.0000E-99	5.9790E-00	9.6000E-00	9.7393E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	6.6200E-00	9.2573E-00	9.7204E-01	1.2623E-00	1.1806E-00	1.0692E-00	9.9871E-01	2.2099E-00
2.0000E-00	7.3100E-00	8.9589E-00	9.7023E-01	1.5740E-00	1.3789E-00	1.1414E-00	9.9056E-01	1.6265E+01
3.0000E-00	8.0700E-00	8.6318E-00	9.6804E-01	1.9522E-00	1.5987E-00	1.2211E-00	9.7022E-01	5.1863E+01
4.0000E-00	8.8800E-00	8.3177E-00	9.6571E-01	2.3954E-00	1.8310E-00	1.3082E-00	9.3541E-01	1.1456E+02
5.0000E-00	9.7400E-00	8.0027E-00	9.6311E-01	2.9106E-00	2.0721E-00	1.4046E-00	8.8608E-01	2.0754E+02
6.0000E-00	1.0640E+01	7.6983E-00	9.6031E-01	3.4988E-00	2.3153E-00	1.5111E-00	8.2479E-01	3.3054E+02
7.0000E-00	1.1580E+01	7.3939E-00	9.5718E-01	4.1658E-00	2.5571E-00	1.6291E-00	7.5484E-01	4.8260E+02
8.0000E-00	1.2560E+01	7.0832E-00	9.5361E-01	4.9179E-00	2.7942E-00	1.7600E-00	6.7995E-01	6.6190E+02
9.0000E-00	1.3570E+01	6.7801E-00	9.4968E-01	5.7526E-00	3.0219E-00	1.9036E-00	6.0441E-01	8.6398E+02
1.0000E+01	1.4600E+01	6.4963E-00	9.4555E-01	6.6650E-00	3.2364E-00	2.0593E-00	5.3180E-01	1.0836E+03
1.1000E+01	1.5660E+01	6.2110E-00	9.4088E-01	7.6674E-00	3.4391E-00	2.2294E-00	4.6340E-01	1.3198E+03
1.2000E+01	1.6740E+01	5.9378E-00	9.3584E-01	8.7533E-00	3.6276E-00	2.4129E-00	4.0110E-01	1.5676E+03
1.3000E+01	1.7840E+01	5.6741E-00	9.3036E-01	9.9248E-00	3.8021E-00	2.6102E-00	3.4538E-01	1.8242E+03
1.4000E+01	1.8950E+01	5.4303E-00	9.2467E-01	1.1172E+01	3.9618E-00	2.8199E-00	2.9667E-01	2.0851E+03
1.5000E+01	2.0080E+01	5.1921E-00	9.1844E-01	1.2507E+01	4.1088E-00	3.0440E-00	2.5415E-01	2.3505E+03
1.6000E+01	2.1230E+01	4.9593E-00	9.1162E-01	1.3932E+01	4.2440E-00	3.2827E-00	2.1736E-01	2.6189E+03
1.7000E+01	2.2390E+01	4.7415E-00	9.0446E-01	1.5433E+01	4.3670E-00	3.5341E-00	1.8599E-01	2.8864E+03
1.8000E+01	2.3560E+01	4.5368E-00	8.9697E-01	1.7011E+01	4.4790E-00	3.7980E-00	1.5932E-01	3.1519E+03
1.9000E+01	2.4750E+01	4.3360E-00	8.8878E-01	1.8679E+01	4.5817E-00	4.0768E-00	1.3653E-01	3.4168E+03
2.0000E+01	2.5940E+01	4.1544E-00	8.8055E-01	2.0406E+01	4.6745E-00	4.3654E-00	1.1739E-01	3.6759E+03
2.1000E+01	2.7150E+01	3.9756E-00	8.7159E-01	2.2222E+01	4.7598E-00	4.6686E-00	1.0106E-01	3.9330E+03
2.2000E+01	2.8370E+01	3.8068E-00	8.6225E-01	2.4109E+01	4.8375E-00	4.9837E-00	8.7243E-02	4.1854E+03
2.3000E+01	2.9600E+01	3.6471E-00	8.5252E-01	2.6065E+01	4.9085E-00	5.3103E-00	7.5533E-02	4.4327E+03
2.4000E+01	3.0850E+01	3.4906E-00	8.4204E-01	2.8106E+01	4.9738E-00	5.6508E-00	6.5523E-02	4.6766E+03
2.5000E+01	3.2110E+01	3.3429E-00	8.3119E-01	3.0212E+01	5.0334E-00	6.0022E-00	5.7027E-02	4.9150E+03
2.6000E+01	3.3380E+01	3.2033E-00	8.1998E-01	3.2380E+01	5.0880E-00	6.3640E-00	4.9799E-02	5.1475E+03
2.7000E+01	3.4670E+01	3.0672E-00	8.0806E-01	3.4625E+01	5.1384E-00	6.7385E-00	4.3593E-02	5.3759E+03
2.8000E+01	3.5970E+01	2.9388E-00	7.9583E-01	3.6927E+01	5.1846E-00	7.1223E-00	3.8296E-02	5.5982E+03
2.9000E+01	3.7290E+01	2.8142E-00	7.8294E-01	3.9299E+01	5.2273E-00	7.5179E-00	3.3731E-02	5.8160E+03
3.0000E+01	3.8630E+01	2.6936E-00	7.6943E-01	4.1737E+01	5.2668E-00	7.9246E-00	2.9791E-02	6.0291E+03
3.1000E+01	3.9990E+01	2.5774E-00	7.5535E-01	4.4239E+01	5.3033E-00	8.3418E-00	2.6387E-02	6.2374E+03
3.2000E+01	4.1370E+01	2.4657E-00	7.4075E-01	4.6799E+01	5.3371E-00	8.7687E-00	2.3440E-02	6.4406E+03
3.3000E+01	4.2780E+01	2.3561E-00	7.2534E-01	4.9431E+01	5.3685E-00	9.2075E-00	2.0868E-02	6.6400E+03
3.4000E+01	4.4220E+01	2.2493E-00	7.0919E-01	5.2129E+01	5.3979E-00	9.6574E-00	1.8623E-02	6.8353E+03
3.5000E+01	4.5690E+01	2.1459E-00	6.9241E-01	5.4888E+01	5.4251E-00	1.0117E+01	1.6663E-02	7.0262E+03
3.6000E+01	4.7210E+01	2.0426E-00	6.7444E-01	5.7736E+01	5.4508E-00	1.0592E+01	1.4928E-02	7.2149E+03
3.7000E+01	4.8780E+01	1.9406E-00	6.5545E-01	6.0666E+01	5.4749E-00	1.1080E+01	1.3396E-02	7.4007E+03
3.8000E+01	5.0400E+01	1.8411E-00	6.3563E-01	6.3667E+01	5.4976E-00	1.1580E+01	1.2045E-02	7.5831E+03
3.9000E+01	5.2100E+01	1.7408E-00	6.1430E-01	6.6781E+01	5.5191E-00	1.2100E+01	1.0836E-02	7.7645E+03
4.0000E+01	5.3910E+01	1.6381E-00	5.9097E-01	7.0045E+01	5.5397E-00	1.2644E+01	9.7446E-03	7.9468E+03
4.1000E+01	5.5850E+01	1.5337E-00	5.6563E-01	7.3471E+01	5.5595E-00	1.3215E+01	8.7570E-03	8.1302E+03
4.2000E+01	5.8010E+01	1.4226E-00	5.3678E-01	7.7177E+01	5.5792E-00	1.3833E+01	7.8394E-03	8.3201E+03
4.3000E+01	6.0560E+01	1.2980E-00	5.0205E-01	8.1378E+01	5.5994E-00	1.4533E+01	6.9540E-03	8.5258E+03
4.4000E+01	6.4180E+01	1.1327E-00	4.5191E-01	8.6957E+01	5.6234E-00	1.5463E+01	5.9808E-03	8.7845E+03
4.4332E+01	6.7426E+01	9.9469E-01	4.0643E-01	9.1509E+01	5.6410E-00	1.6222E+01	5.3223E-03	8.9847E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 9.7$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S}{\frac{ft^2}{sec^2} - O_R}$
.0000E-99	5.9170E-00	9.7000E-00	9.7444E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	6.5600E-00	9.3455E-00	9.7254E-01	1.2660E-00	1.1830E-00	1.0701E-00	9.9866E-01	2.2946E-00
2.0000E-00	7.2500E-00	9.0438E-00	9.7076E-01	1.5815E-00	1.3835E-00	1.1431E-00	9.9026E-01	1.6784E+01
3.0000E-00	8.0100E-00	8.7139E-00	9.6861E-01	1.9648E-00	1.6056E-00	1.2236E-00	9.6938E-01	5.3354E+01
4.0000E-00	8.8200E-00	8.3976E-00	9.6632E-01	2.4141E-00	1.8403E-00	1.3117E-00	9.3375E-01	1.1760E+02
5.0000E-00	9.6800E-00	8.0807E-00	9.6378E-01	2.9368E-00	2.0836E-00	1.4094E-00	8.8341E-01	2.1270E+02
6.0000E-00	1.0590E+01	7.7527E-00	9.6083E-01	3.5408E-00	2.3315E-00	1.5186E-00	8.2034E-01	3.3982E+02
7.0000E-00	1.1530E+01	7.4476E-00	9.5776E-01	4.2189E-00	2.5750E-00	1.6384E-00	7.4938E-01	4.9508E+02
8.0000E-00	1.2510E+01	7.1355E-00	9.5424E-01	4.9838E-00	2.8134E-00	1.7713E-00	6.7368E-01	6.7781E+02
9.0000E-00	1.3520E+01	6.8308E-00	9.5037E-01	5.8329E-00	3.0421E-00	1.9173E-00	5.9760E-01	8.8343E+02
1.0000E+01	1.4560E+01	6.5289E-00	9.4605E-01	6.7707E-00	3.2593E-00	2.0773E-00	5.2404E-01	1.1088E+03
1.1000E+01	1.5620E+01	6.2427E-00	9.4143E-01	7.7916E-00	3.4622E-00	2.2504E-00	4.5569E-01	1.3486E+03
1.2000E+01	1.6700E+01	5.9684E-00	9.3643E-01	8.8978E-00	3.6506E-00	2.4373E-00	3.9363E-01	1.5998E+03
1.3000E+01	1.7800E+01	5.7034E-00	9.3100E-01	1.0091E+01	3.8249E-00	2.6383E-00	3.3829E-01	1.8598E+03
1.4000E+01	1.8920E+01	5.4464E-00	9.2507E-01	1.1374E+01	3.9855E-00	2.8539E-00	2.8965E-01	2.1262E+03
1.5000E+01	2.0050E+01	5.2076E-00	9.1887E-01	1.2735E+01	4.1319E-00	3.0823E-00	2.4772E-01	2.3945E+03
1.6000E+01	2.1190E+01	4.9844E-00	9.1239E-01	1.4175E+01	4.2652E-00	3.3235E-00	2.1181E-01	2.6633E+03
1.7000E+01	2.2350E+01	4.7652E-00	9.0528E-01	1.5706E+01	4.3875E-00	3.5797E-00	1.8096E-01	2.9334E+03
1.8000E+01	2.3530E+01	4.5505E-00	8.9749E-01	1.7329E+01	4.4997E-00	3.8511E-00	1.5459E-01	3.2036E+03
1.9000E+01	2.4710E+01	4.3569E-00	8.8967E-01	1.9015E+01	4.6008E-00	4.1330E-00	1.3248E-01	3.4685E+03
2.0000E+01	2.5910E+01	4.1666E-00	8.8113E-01	2.0792E+01	4.6936E-00	4.4298E-00	1.1363E-01	3.7318E+03
2.1000E+01	2.7120E+01	3.9871E-00	8.7220E-01	2.2644E+01	4.7781E-00	4.7391E-00	9.7723E-02	3.9907E+03
2.2000E+01	2.8340E+01	3.8176E-00	8.6287E-01	2.4569E+01	4.8550E-00	5.0606E-00	8.4273E-02	4.2448E+03
2.3000E+01	2.9570E+01	3.6572E-00	8.5316E-01	2.6566E+01	4.9252E-00	5.3938E-00	7.2893E-02	4.4937E+03
2.4000E+01	3.0820E+01	3.5001E-00	8.4270E-01	2.8647E+01	4.9898E-00	5.7412E-00	6.3178E-02	4.7392E+03
2.5000E+01	3.2080E+01	3.3517E-00	8.3187E-01	3.0796E+01	5.0488E-00	6.0997E-00	5.4942E-02	4.9789E+03
2.6000E+01	3.3350E+01	3.2115E-00	8.2067E-01	3.3009E+01	5.1027E-00	6.4689E-00	4.7943E-02	5.2127E+03
2.7000E+01	3.4640E+01	3.0748E-00	8.0876E-01	3.5300E+01	5.1525E-00	6.8510E-00	4.1939E-02	5.4423E+03
2.8000E+01	3.5940E+01	2.9459E-00	7.9653E-01	3.7649E+01	5.1981E-00	7.2428E-00	3.6819E-02	5.6657E+03
2.9000E+01	3.7260E+01	2.8207E-00	7.8364E-01	4.0070E+01	5.2402E-00	7.6465E-00	3.2411E-02	5.8846E+03
3.0000E+01	3.8600E+01	2.6997E-00	7.7014E-01	4.2559E+01	5.2792E-00	8.0616E-00	2.8609E-02	6.0986E+03
3.1000E+01	3.9960E+01	2.5830E-00	7.5605E-01	4.5113E+01	5.3152E-00	8.4874E-00	2.5326E-02	6.3078E+03
3.2000E+01	4.1340E+01	2.4708E-00	7.4145E-01	4.7726E+01	5.3485E-00	8.9232E-00	2.2487E-02	6.5118E+03
3.3000E+01	4.2750E+01	2.3608E-00	7.2602E-01	5.0413E+01	5.3795E-00	9.3711E-00	2.0010E-02	6.7121E+03
3.4000E+01	4.4190E+01	2.2536E-00	7.0986E-01	5.3167E+01	5.4084E-00	9.8304E-00	1.7850E-02	6.9081E+03
3.5000E+01	4.5660E+01	2.1498E-00	6.9307E-01	5.5983E+01	5.4353E-00	1.0299E+01	1.5963E-02	7.0998E+03
3.6000E+01	4.7180E+01	2.0461E-00	6.7508E-01	5.8891E+01	5.4606E-00	1.0784E+01	1.4296E-02	7.2891E+03
3.7000E+01	4.8740E+01	1.9454E-00	6.5638E-01	6.1864E+01	5.4842E-00	1.1280E+01	1.2832E-02	7.4744E+03
3.8000E+01	5.0370E+01	1.8439E-00	6.3621E-01	6.4947E+01	5.5066E-00	1.1794E+01	1.1526E-02	7.6586E+03
3.9000E+01	5.2070E+01	1.7433E-00	6.1485E-01	6.8127E+01	5.5278E-00	1.2324E+01	1.0366E-02	7.8406E+03
4.0000E+01	5.3870E+01	1.6414E-00	5.9176E-01	7.1443E+01	5.5480E-00	1.2877E+01	9.3238E-03	8.0226E+03
4.1000E+01	5.5810E+01	1.5366E-00	5.6636E-01	7.4942E+01	5.5675E-00	1.3460E+01	8.3757E-03	8.2066E+03
4.2000E+01	5.7960E+01	1.4259E-00	5.3768E-01	7.8710E+01	5.5868E-00	1.4088E+01	7.4988E-03	8.3963E+03
4.3000E+01	6.0490E+01	1.3022E-00	5.0325E-01	8.2971E+01	5.6066E-00	1.4798E+01	6.6548E-03	8.6013E+03
4.4000E+01	6.4060E+01	1.1385E-00	4.5375E-01	8.8601E+01	5.6300E-00	1.5737E+01	5.7304E-03	8.8579E+03
4.4358E+01	6.7433E+01	9.9483E-01	4.0648E-01	9.3438E+01	5.6480E-00	1.6543E+01	5.0736E-03	9.0668E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 9.8$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{\text{ft}^2/\text{sec}^2 \cdot ^\circ\text{R}}$
.0000E-99	5.8570E-00	9.8000E-00	9.7493E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	6.5000E-00	9.4374E-00	9.7305E-01	1.2692E-00	1.1851E-00	1.0709E-00	9.9862E-01	2.3685E-00
2.0000E-00	7.1900E-00	9.1322E-00	9.7130E-01	1.5885E-00	1.3877E-00	1.1446E-00	9.8998E-01	1.7270E+01
3.0000E-00	7.9500E-00	8.7992E-00	9.6919E-01	1.9767E-00	1.6122E-00	1.2260E-00	9.6857E-01	5.4789E+01
4.0000E-00	8.7600E-00	8.4807E-00	9.6695E-01	2.4321E-00	1.8492E-00	1.3152E-00	9.3214E-01	1.2057E+02
5.0000E-00	9.6300E-00	8.1382E-00	9.6426E-01	2.9688E-00	2.0976E-00	1.4153E-00	8.8015E-01	2.1905E+02
6.0000E-00	1.0530E+01	7.8312E-00	9.6157E-01	3.5754E-00	2.3448E-00	1.5248E-00	8.1668E-01	3.4748E+02
7.0000E-00	1.1480E+01	7.5032E-00	9.5834E-01	4.2716E-00	2.5925E-00	1.6476E-00	7.4398E-01	5.0748E+02
8.0000E-00	1.2460E+01	7.1897E-00	9.5488E-01	5.0492E-00	2.8323E-00	1.7827E-00	6.6750E-01	6.9362E+02
9.0000E-00	1.3470E+01	6.8833E-00	9.5107E-01	5.9129E-00	3.0620E-00	1.9310E-00	5.9090E-01	9.0277E+02
1.0000E+01	1.4510E+01	6.5793E-00	9.4681E-01	6.8670E-00	3.2798E-00	2.0936E-00	5.1710E-01	1.1317E+03
1.1000E+01	1.5570E+01	6.2910E-00	9.4225E-01	7.9059E-00	3.4830E-00	2.2698E-00	4.4873E-01	1.3750E+03
1.2000E+01	1.6660E+01	6.0001E-00	9.3704E-01	9.0427E-00	3.6732E-00	2.4617E-00	3.8632E-01	1.6320E+03
1.3000E+01	1.7760E+01	5.7338E-00	9.3166E-01	1.0258E+01	3.8472E-00	2.6664E-00	3.3137E-01	1.8953E+03
1.4000E+01	1.8880E+01	5.4752E-00	9.2577E-01	1.1565E+01	4.0074E-00	2.8860E-00	2.8322E-01	2.1647E+03
1.5000E+01	2.0010E+01	5.2350E-00	9.1962E-01	1.2952E+01	4.1533E-00	3.1186E-00	2.4180E-01	2.4360E+03
1.6000E+01	2.1160E+01	5.0000E-00	9.1287E-01	1.4433E+01	4.2871E-00	3.3666E-00	2.0614E-01	2.7098E+03
1.7000E+01	2.2320E+01	4.7800E-00	9.0579E-01	1.5994E+01	4.4086E-00	3.6278E-00	1.7586E-01	2.9824E+03
1.8000E+01	2.3490E+01	4.5733E-00	8.9836E-01	1.7634E+01	4.5191E-00	3.9022E-00	1.5023E-01	3.2527E+03
1.9000E+01	2.4680E+01	4.3703E-00	8.9023E-01	1.9368E+01	4.6203E-00	4.1920E-00	1.2841E-01	3.5220E+03
2.0000E+01	2.5880E+01	4.1792E-00	8.8172E-01	2.1180E+01	4.7123E-00	4.4947E-00	1.1002E-01	3.7873E+03
2.1000E+01	2.7090E+01	3.9989E-00	8.7281E-01	2.3069E+01	4.7959E-00	4.8101E-00	9.4509E-02	4.0481E+03
2.2000E+01	2.8310E+01	3.8287E-00	8.6351E-01	2.5033E+01	4.8721E-00	5.1380E-00	8.1421E-02	4.3039E+03
2.3000E+01	2.9540E+01	3.6676E-00	8.5382E-01	2.7069E+01	4.9416E-00	5.4778E-00	7.0362E-02	4.5544E+03
2.4000E+01	3.0790E+01	3.5098E-00	8.4338E-01	2.9193E+01	5.0054E-00	5.8322E-00	6.0932E-02	4.8013E+03
2.5000E+01	3.2050E+01	3.3607E-00	8.3255E-01	3.1385E+01	5.0638E-00	6.1980E-00	5.2947E-02	5.0423E+03
2.6000E+01	3.3320E+01	3.2199E-00	8.2137E-01	3.3643E+01	5.1171E-00	6.5746E-00	4.6169E-02	5.2774E+03
2.7000E+01	3.4610E+01	3.0826E-00	8.0947E-01	3.5980E+01	5.1662E-00	6.9645E-00	4.0359E-02	5.5082E+03
2.8000E+01	3.5910E+01	2.9532E-00	7.9724E-01	3.8377E+01	5.2113E-00	7.3642E-00	3.5410E-02	5.7327E+03
2.9000E+01	3.7230E+01	2.8274E-00	7.8436E-01	4.0847E+01	5.2528E-00	7.7761E-00	3.1151E-02	5.9526E+03
3.0000E+01	3.8570E+01	2.7059E-00	7.7085E-01	4.3387E+01	5.2913E-00	8.1997E-00	2.7482E-02	6.1676E+03
3.1000E+01	3.9930E+01	2.5887E-00	7.5676E-01	4.5993E+01	5.3268E-00	8.6343E-00	2.4316E-02	6.3776E+03
3.2000E+01	4.1310E+01	2.4760E-00	7.4215E-01	4.8660E+01	5.3596E-00	9.0790E-00	2.1579E-02	6.5825E+03
3.3000E+01	4.2720E+01	2.3655E-00	7.2672E-01	5.1402E+01	5.3902E-00	9.5362E-00	1.9194E-02	6.7835E+03
3.4000E+01	4.4160E+01	2.2580E-00	7.1055E-01	5.4214E+01	5.4187E-00	1.0004E+01	1.7114E-02	6.9804E+03
3.5000E+01	4.5630E+01	2.1538E-00	6.9373E-01	5.7088E+01	5.4452E-00	1.0484E+01	1.5299E-02	7.1727E+03
3.6000E+01	4.7150E+01	2.0497E-00	6.7572E-01	6.0057E+01	5.4701E-00	1.0979E+01	1.3695E-02	7.3627E+03
3.7000E+01	4.8710E+01	1.9487E-00	6.5700E-01	6.3091E+01	5.4934E-00	1.1484E+01	1.2289E-02	7.5487E+03
3.8000E+01	5.0330E+01	1.8483E-00	6.3711E-01	6.6220E+01	5.5153E-00	1.2006E+01	1.1041E-02	7.7324E+03
3.9000E+01	5.2030E+01	1.7472E-00	6.1570E-01	6.9467E+01	5.5362E-00	1.2547E+01	9.9266E-03	7.9151E+03
4.0000E+01	5.3830E+01	1.6449E-00	5.9256E-01	7.2852E+01	5.5561E-00	1.3112E+01	8.9247E-03	8.0976E+03
4.1000E+01	5.5770E+01	1.5395E-00	5.6710E-01	7.6425E+01	5.5753E-00	1.3707E+01	8.0142E-03	8.2823E+03
4.2000E+01	5.7910E+01	1.4293E-00	5.3858E-01	8.0257E+01	5.5942E-00	1.4346E+01	7.1759E-03	8.4719E+03
4.3000E+01	6.0430E+01	1.3057E-00	5.0426E-01	8.4593E+01	5.6136E-00	1.5069E+01	6.3682E-03	8.6768E+03
4.4000E+01	6.3940E+01	1.1444E-00	4.5561E-01	9.0255E+01	5.6303E-00	1.6013E+01	5.4930E-03	8.9305E+03
4.4383E+01	6.7440E+01	9.9495E-01	4.0652E-01	9.5388E+01	5.6547E-00	1.6868E+01	4.8386E-03	9.1482E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 9.9$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{\text{ft}^2}$ $\frac{\text{sec}^2}{\text{sec}^2 \cdot \text{R}}$
.0000E-99	5.7970E-00	9.9000E-00	9.7543E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	6.4400E-00	9.5330E-00	9.7357E-01	1.2718E-00	1.1869E-00	1.0715E-00	9.9858E-01	2.4310E-00
2.0000E-00	7.1400E-00	9.1950E-00	9.7168E-01	1.5998E-00	1.3946E-00	1.1471E-00	9.8952E-01	1.8073E+01
3.0000E-00	7.8900E-00	8.8878E-00	9.6977E-01	1.9879E-00	1.6184E-00	1.2283E-00	9.6780E-01	5.6163E+01
4.0000E-00	8.7100E-00	8.5415E-00	9.6739E-01	2.4555E-00	1.8606E-00	1.3196E-00	9.3004E-01	1.2445E+02
5.0000E-00	9.5700E-00	8.2218E-00	9.6494E-01	2.9938E-00	2.1084E-00	1.4199E-00	8.7760E-01	2.2403E+02
6.0000E-00	1.0480E+01	7.8903E-00	9.6211E-01	3.6164E-00	2.3603E-00	1.5321E-00	8.1235E-01	3.5660E+02
7.0000E-00	1.1430E+01	7.5609E-00	9.5894E-01	4.3238E-00	2.6097E-00	1.6567E-00	7.3865E-01	5.1980E+02
8.0000E-00	1.2410E+01	7.2459E-00	9.5553E-01	5.1143E-00	2.8509E-00	1.7939E-00	6.6141E-01	7.0935E+02
9.0000E-00	1.3430E+01	6.9195E-00	9.5154E-01	6.0015E-00	3.0837E-00	1.9462E-00	5.8358E-01	9.2418E+02
1.0000E+01	1.4470E+01	6.6146E-00	9.4733E-01	6.9726E-00	3.3020E-00	2.1116E-00	5.0960E-01	1.1567E+03
1.1000E+01	1.5530E+01	6.3252E-00	9.4282E-01	8.0303E-00	3.5054E-00	2.2908E-00	4.4131E-01	1.4036E+03
1.2000E+01	1.6620E+01	6.0328E-00	9.3766E-01	9.1878E-00	3.6955E-00	2.4862E-00	3.7917E-01	1.6641E+03
1.3000E+01	1.7720E+01	5.7651E-00	9.3232E-01	1.0426E+01	3.8692E-00	2.6946E-00	3.2462E-01	1.9306E+03
1.4000E+01	1.8840E+01	5.5049E-00	9.2648E-01	1.1757E+01	4.0289E-00	2.9182E-00	2.7695E-01	2.2031E+03
1.5000E+01	1.9980E+01	5.2519E-00	9.2007E-01	1.3183E+01	4.1755E-00	3.1573E-00	2.3572E-01	2.4797E+03
1.6000E+01	2.1130E+01	5.0161E-00	9.1336E-01	1.4692E+01	4.3085E-00	3.4100E-00	2.0064E-01	2.7562E+03
1.7000E+01	2.2290E+01	4.7954E-00	9.0631E-01	1.6283E+01	4.4293E-00	3.6763E-00	1.7092E-01	3.0313E+03
1.8000E+01	2.3460E+01	4.5879E-00	8.9891E-01	1.7955E+01	4.5389E-00	3.9559E-00	1.4582E-01	3.3038E+03
1.9000E+01	2.4650E+01	4.3840E-00	8.9081E-01	1.9723E+01	4.6393E-00	4.2513E-00	1.2449E-01	3.5753E+03
2.0000E+01	2.5850E+01	4.1921E-00	8.8233E-01	2.1571E+01	4.7305E-00	4.5600E-00	1.0653E-01	3.8425E+03
2.1000E+01	2.7060E+01	4.0111E-00	8.7344E-01	2.3497E+01	4.8134E-00	4.8816E-00	9.1420E-02	4.1051E+03
2.2000E+01	2.8280E+01	3.8401E-00	8.6416E-01	2.5500E+01	4.8888E-00	5.2159E-00	7.8682E-02	4.3626E+03
2.3000E+01	2.9510E+01	3.6783E-00	8.5449E-01	2.7577E+01	4.9576E-00	5.5625E-00	6.7934E-02	4.6146E+03
2.4000E+01	3.0760E+01	3.5197E-00	8.4407E-01	2.9743E+01	5.0207E-00	5.9239E-00	5.8781E-02	4.8630E+03
2.5000E+01	3.2020E+01	3.3700E-00	8.3326E-01	3.1979E+01	5.0784E-00	6.2970E-00	5.1038E-02	5.1054E+03
2.6000E+01	3.3290E+01	3.2286E-00	8.2208E-01	3.4281E+01	5.1311E-00	6.6811E-00	4.4472E-02	5.3417E+03
2.7000E+01	3.4580E+01	3.0906E-00	8.1019E-01	3.6666E+01	5.1796E-00	7.0788E-00	3.8850E-02	5.5736E+03
2.8000E+01	3.5880E+01	2.9606E-00	7.9797E-01	3.9111E+01	5.2241E-00	7.4866E-00	3.4064E-02	5.7992E+03
2.9000E+01	3.7200E+01	2.8343E-00	7.8509E-01	4.1631E+01	5.2651E-00	7.9068E-00	2.9950E-02	6.0200E+03
3.0000E+01	3.8540E+01	2.7122E-00	7.7158E-01	4.4222E+01	5.3031E-00	8.3390E-00	2.6408E-02	6.2360E+03
3.1000E+01	3.9900E+01	2.5945E-00	7.5749E-01	4.6881E+01	5.3381E-00	8.7823E-00	2.3354E-02	6.4469E+03
3.2000E+01	4.1290E+01	2.4786E-00	7.4251E-01	4.9622E+01	5.3707E-00	9.2394E-00	2.0697E-02	6.6541E+03
3.3000E+01	4.2690E+01	2.3704E-00	7.2743E-01	5.2400E+01	5.4006E-00	9.7026E-00	1.8417E-02	6.8544E+03
3.4000E+01	4.4130E+01	2.2624E-00	7.1124E-01	5.5270E+01	5.4287E-00	1.0180E+01	1.6414E-02	7.0520E+03
3.5000E+01	4.5610E+01	2.1558E-00	6.9407E-01	5.8223E+01	5.4550E-00	1.0673E+01	1.4657E-02	7.2463E+03
3.6000E+01	4.7180E+01	2.0423E-00	6.7439E-01	6.1352E+01	5.4803E-00	1.1194E+01	1.3069E-02	7.4431E+03
3.7000E+01	4.8680E+01	1.9520E-00	6.5763E-01	6.4330E+01	5.5023E-00	1.1691E+01	1.1772E-02	7.6223E+03
3.8000E+01	5.0300E+01	1.8512E-00	6.3771E-01	6.7523E+01	5.5239E-00	1.2223E+01	1.0574E-02	7.8066E+03
3.9000E+01	5.2000E+01	1.7498E-00	6.1627E-01	7.0837E+01	5.5444E-00	1.2776E+01	9.5030E-03	7.9899E+03
4.0000E+01	5.3790E+01	1.6483E-00	5.9337E-01	7.4274E+01	5.5639E-00	1.3349E+01	8.5459E-03	8.1721E+03
4.1000E+01	5.5730E+01	1.5425E-00	5.6785E-01	7.7922E+01	5.5829E-00	1.3957E+01	7.6712E-03	8.3573E+03
4.2000E+01	5.7870E+01	1.4318E-00	5.3926E-01	8.1835E+01	5.6015E-00	1.4609E+01	6.8662E-03	8.5476E+03
4.3000E+01	6.0370E+01	1.3092E-00	5.0528E-01	8.6229E+01	5.6205E-00	1.5341E+01	6.0964E-03	8.7516E+03
4.4000E+01	6.3840E+01	1.1493E-00	4.5715E-01	9.1952E+01	5.6426E-00	1.6295E+01	5.2636E-03	9.0037E+03
4.4407E+01	6.7447E+01	9.9505E-01	4.0656E-01	9.7358E+01	5.6613E-00	1.7196E+01	4.6163E-03	9.2289E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 10.0$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2 \sec^2 \cdot ^\circ R}$
.0000E-99	5.7390E-00	1.0000E+01	9.7590E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	6.3800E-00	9.6324E-00	9.7409E-01	1.2739E-00	1.1883E-00	1.0720E-00	9.9855E-01	2.4807E-00
2.0000E-00	7.0800E-00	9.2899E-00	9.7223E-01	1.6057E-00	1.3981E-00	1.1484E-00	9.8927E-01	1.8496E+01
3.0000E-00	7.8400E-00	8.9522E-00	9.7019E-01	2.0041E-00	1.6272E-00	1.2316E-00	9.6667E-01	5.8154E+01
4.0000E-00	8.6500E-00	8.6306E-00	9.6803E-01	2.4722E-00	1.8688E-00	1.3228E-00	9.2851E-01	1.2726E+02
5.0000E-00	9.5200E-00	8.2842E-00	9.6544E-01	3.0246E-00	2.1217E-00	1.4255E-00	8.7443E-01	2.3024E+02
6.0000E-00	1.0430E+01	7.9516E-00	9.6266E-01	3.6569E-00	2.3756E-00	1.5393E-00	8.0808E-01	3.6566E+02
7.0000E-00	1.1380E+01	7.6207E-00	9.5954E-01	4.3755E-00	2.6266E-00	1.6658E-00	7.3340E-01	5.3204E+02
8.0000E-00	1.2370E+01	7.2843E-00	9.5597E-01	5.1874E-00	2.8714E-00	1.8065E-00	6.5463E-01	7.2703E+02
9.0000E-00	1.3380E+01	6.9754E-00	9.5226E-01	6.0808E-00	3.1028E-00	1.9597E-00	5.7710E-01	9.4333E+02
1.0000E+01	1.4430E+01	6.6511E-00	9.4786E-01	7.0782E-00	3.3238E-00	2.1295E-00	5.0223E-01	1.1817E+03
1.1000E+01	1.5490E+01	6.3606E-00	9.4340E-01	8.1547E-00	3.5273E-00	2.3118E-00	4.3404E-01	1.4321E+03
1.2000E+01	1.6580E+01	6.0667E-00	9.3829E-01	9.3331E-00	3.7173E-00	2.5106E-00	3.7218E-01	1.6960E+03
1.3000E+01	1.7680E+01	5.7974E-00	9.3300E-01	1.0594E+01	3.8908E-00	2.7228E-00	3.1804E-01	1.9657E+03
1.4000E+01	1.8810E+01	5.5232E-00	9.2691E-01	1.1962E+01	4.0514E-00	2.9525E-00	2.7046E-01	2.2438E+03
1.5000E+01	1.9940E+01	5.2807E-00	9.2084E-01	1.3402E+01	4.1960E-00	3.1940E-00	2.3014E-01	2.5208E+03
1.6000E+01	2.1090E+01	5.0433E-00	9.1417E-01	1.4939E+01	4.3285E-00	3.4514E-00	1.9559E-01	2.8000E+03
1.7000E+01	2.2260E+01	4.8112E-00	9.0684E-01	1.6574E+01	4.4495E-00	3.7249E-00	1.6615E-01	3.0799E+03
1.8000E+01	2.3430E+01	4.6029E-00	8.9948E-01	1.8279E+01	4.5584E-00	4.0099E-00	1.4156E-01	3.3547E+03
1.9000E+01	2.4620E+01	4.3982E-00	8.9141E-01	2.0081E+01	4.6580E-00	4.3111E-00	1.2070E-01	3.6282E+03
2.0000E+01	2.5820E+01	4.2054E-00	8.8294E-01	2.1965E+01	4.7484E-00	4.6257E-00	1.0318E-01	3.8974E+03
2.1000E+01	2.7030E+01	4.0236E-00	8.7409E-01	2.3928E+01	4.8305E-00	4.9536E-00	8.8449E-02	4.1618E+03
2.2000E+01	2.8250E+01	3.8517E-00	8.6483E-01	2.5970E+01	4.9052E-00	5.2944E-00	7.6052E-02	4.4209E+03
2.3000E+01	2.9490E+01	3.6833E-00	8.5481E-01	2.8105E+01	4.9737E-00	5.6507E-00	6.5528E-02	4.6765E+03
2.4000E+01	3.0730E+01	3.5299E-00	8.4477E-01	3.0296E+01	5.0357E-00	6.0163E-00	5.6719E-02	4.9243E+03
2.5000E+01	3.1990E+01	3.3795E-00	8.3397E-01	3.2576E+01	5.0927E-00	6.3967E-00	4.9210E-02	5.1680E+03
2.6000E+01	3.3270E+01	3.2328E-00	8.2243E-01	3.4943E+01	5.1451E-00	6.7915E-00	4.2803E-02	5.4073E+03
2.7000E+01	3.4550E+01	3.0988E-00	8.1092E-01	3.7357E+01	5.1927E-00	7.1940E-00	3.7407E-02	5.6385E+03
2.8000E+01	3.5860E+01	2.9643E-00	7.9834E-01	3.9869E+01	5.2369E-00	7.6131E-00	3.2746E-02	5.8669E+03
2.9000E+01	3.7180E+01	2.8378E-00	7.8546E-01	4.2440E+01	5.2774E-00	8.0418E-00	2.8776E-02	6.0887E+03
3.0000E+01	3.8520E+01	2.7154E-00	7.7195E-01	4.5084E+01	5.3148E-00	8.4827E-00	2.5360E-02	6.3055E+03
3.1000E+01	3.9880E+01	2.5974E-00	7.5786E-01	4.7796E+01	5.3494E-00	8.9349E-00	2.2416E-02	6.5172E+03
3.2000E+01	4.1260E+01	2.4841E-00	7.4324E-01	5.0573E+01	5.3813E-00	9.3978E-00	1.9875E-02	6.7237E+03
3.3000E+01	4.2670E+01	2.3729E-00	7.2779E-01	5.3427E+01	5.4110E-00	9.8738E-00	1.7663E-02	6.9262E+03
3.4000E+01	4.4110E+01	2.2647E-00	7.1160E-01	5.6354E+01	5.4386E-00	1.0361E+01	1.5736E-02	7.1244E+03
3.5000E+01	4.5580E+01	2.1599E-00	6.9476E-01	5.9347E+01	5.4644E-00	1.0860E+01	1.4056E-02	7.3181E+03
3.6000E+01	4.7090E+01	2.0571E-00	6.7704E-01	6.2418E+01	5.4884E-00	1.1372E+01	1.2583E-02	7.5081E+03
3.7000E+01	4.8650E+01	1.9553E-00	6.5827E-01	6.5578E+01	5.5110E-00	1.1899E+01	1.1282E-02	7.6954E+03
3.8000E+01	5.0270E+01	1.8542E-00	6.3833E-01	6.8837E+01	5.5323E-00	1.2442E+01	1.0130E-02	7.8802E+03
3.9000E+01	5.1970E+01	1.7524E-00	6.1686E-01	7.2219E+01	5.5525E-00	1.3006E+01	9.1009E-03	8.0641E+03
4.0000E+01	5.3760E+01	1.6507E-00	5.9391E-01	7.5727E+01	5.5717E-00	1.3591E+01	8.1816E-03	8.2468E+03
4.1000E+01	5.5690E+01	1.5456E-00	5.6861E-01	7.9432E+01	5.5903E-00	1.4208E+01	7.3457E-03	8.4317E+03
4.2000E+01	5.7820E+01	1.4353E-00	5.4019E-01	8.3408E+01	5.6085E-00	1.4871E+01	6.5758E-03	8.6217E+03
4.3000E+01	6.0310E+01	1.3128E-00	5.0631E-01	8.7878E+01	5.6271E-00	1.5616E+01	5.8386E-03	8.8258E+03
4.4000E+01	6.3740E+01	1.1543E-00	4.5870E-01	9.3661E+01	5.6488E-00	1.6580E+01	5.0459E-03	9.0762E+03
4.4430E+01	6.7454E+01	9.9512E-01	4.0658E-01	9.9348E+01	5.6677E-00	1.7528E+01	4.4059E-03	9.3089E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 10.1$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S}{\frac{ft^2}{sec^2} - O_R}$
.0000E-99	5.6820E-00	1.0100E+01	9.7636E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	6.3200E-00	9.7358E-00	9.7462E-01	1.2755E-00	1.1893E-00	1.0724E-00	9.9853E-01	2.5189E-00
2.0000E-00	7.0200E-00	9.3885E-00	9.7278E-01	1.6109E-00	1.4013E-00	1.1495E-00	9.8905E-01	1.8882E+01
3.0000E-00	7.7800E-00	9.0473E-00	9.7078E-01	2.0142E-00	1.6327E-00	1.2336E-00	9.6597E-01	5.9411E+01
4.0000E-00	8.6000E-00	8.6966E-00	9.6849E-01	2.4945E-00	1.8797E-00	1.3270E-00	9.2648E-01	1.3102E+02
5.0000E-00	9.4700E-00	8.3490E-00	9.6595E-01	3.0550E-00	2.1347E-00	1.4311E-00	8.7130E-01	2.3639E+02
6.0000E-00	1.0380E+01	8.0151E-00	9.6321E-01	3.6968E-00	2.3905E-00	1.5464E-00	8.0386E-01	3.7464E+02
7.0000E-00	1.1340E+01	7.6611E-00	9.5994E-01	4.4347E-00	2.6458E-00	1.6761E-00	7.2742E-01	5.4610E+02
8.0000E-00	1.2320E+01	7.3442E-00	9.5664E-01	5.2516E-00	2.8893E-00	1.8175E-00	6.4872E-01	7.4259E+02
9.0000E-00	1.3340E+01	7.0146E-00	9.5276E-01	6.1690E-00	3.1238E-00	1.9748E-00	5.6999E-01	9.6460E+02
1.0000E+01	1.4390E+01	6.6889E-00	9.4841E-01	7.1838E-00	3.3452E-00	2.1474E-00	4.9499E-01	1.2066E+03
1.1000E+01	1.5450E+01	6.3971E-00	9.4399E-01	8.2793E-00	3.5489E-00	2.3329E-00	4.2691E-01	1.4605E+03
1.2000E+01	1.6540E+01	6.1016E-00	9.3893E-01	9.4787E-00	3.7388E-00	2.5352E-00	3.6534E-01	1.7278E+03
1.3000E+01	1.7650E+01	5.8170E-00	9.3341E-01	1.0774E+01	3.9134E-00	2.7531E-00	3.1117E-01	2.0032E+03
1.4000E+01	1.8770E+01	5.5546E-00	9.2765E-01	1.2155E+01	4.0721E-00	2.9849E-00	2.6453E-01	2.2819E+03
1.5000E+01	1.9910E+01	5.2989E-00	9.2132E-01	1.3635E+01	4.2174E-00	3.2330E-00	2.2440E-01	2.5642E+03
1.6000E+01	2.1060E+01	5.0606E-00	9.1468E-01	1.5201E+01	4.3491E-00	3.4952E-00	1.9042E-01	2.8459E+03
1.7000E+01	2.2220E+01	4.8374E-00	9.0771E-01	1.6853E+01	4.4684E-00	3.7715E-00	1.6175E-01	3.1259E+03
1.8000E+01	2.3400E+01	4.6184E-00	9.0005E-01	1.8604E+01	4.5775E-00	4.0643E-00	1.3745E-01	3.4053E+03
1.9000E+01	2.4590E+01	4.4127E-00	8.9201E-01	2.0441E+01	4.6763E-00	4.3712E-00	1.1705E-01	3.6809E+03
2.0000E+01	2.5790E+01	4.2191E-00	8.8357E-01	2.2361E+01	4.7659E-00	4.6918E-00	9.9950E-02	3.9520E+03
2.1000E+01	2.7000E+01	4.0364E-00	8.7474E-01	2.4362E+01	4.8472E-00	5.0260E-00	8.5591E-02	4.2182E+03
2.2000E+01	2.8220E+01	3.8637E-00	8.6551E-01	2.6443E+01	4.9212E-00	5.3734E-00	7.3526E-02	4.4789E+03
2.3000E+01	2.9460E+01	3.6945E-00	8.5551E-01	2.8620E+01	4.9890E-00	5.7366E-00	6.3295E-02	4.7360E+03
2.4000E+01	3.0710E+01	3.5349E-00	8.4511E-01	3.0872E+01	5.0507E-00	6.1124E-00	5.4679E-02	4.9871E+03
2.5000E+01	3.1970E+01	3.3842E-00	8.3432E-01	3.3197E+01	5.1070E-00	6.5003E-00	4.7406E-02	5.2320E+03
2.6000E+01	3.3240E+01	3.2418E-00	8.2317E-01	3.5592E+01	5.1584E-00	6.8997E-00	4.1251E-02	5.4707E+03
2.7000E+01	3.4530E+01	3.1029E-00	8.1129E-01	3.8072E+01	5.2058E-00	7.3134E-00	3.5991E-02	5.7048E+03
2.8000E+01	3.5830E+01	2.9720E-00	7.9909E-01	4.0615E+01	5.2491E-00	7.7374E-00	3.1520E-02	5.9324E+03
2.9000E+01	3.7150E+01	2.8449E-00	7.8621E-01	4.3237E+01	5.2891E-00	8.1746E-00	2.7683E-02	6.1551E+03
3.0000E+01	3.8490E+01	2.7220E-00	7.7270E-01	4.5933E+01	5.3260E-00	8.6242E-00	2.4384E-02	6.3729E+03
3.1000E+01	3.9850E+01	2.6035E-00	7.5861E-01	4.8699E+01	5.3601E-00	9.0854E-00	2.1543E-02	6.5854E+03
3.2000E+01	4.1230E+01	2.4896E-00	7.4398E-01	5.1531E+01	5.3916E-00	9.5576E-00	1.9091E-02	6.7927E+03
3.3000E+01	4.2640E+01	2.3780E-00	7.2852E-01	5.4442E+01	5.4209E-00	1.0043E+01	1.6959E-02	6.9960E+03
3.4000E+01	4.4080E+01	2.2693E-00	7.1231E-01	5.7428E+01	5.4481E-00	1.0540E+01	1.5103E-02	7.1949E+03
3.5000E+01	4.5550E+01	2.1641E-00	6.9546E-01	6.0481E+01	5.4735E-00	1.1049E+01	1.3485E-02	7.3892E+03
3.6000E+01	4.7060E+01	2.0609E-00	6.7772E-01	6.3614E+01	5.4972E-00	1.1572E+01	1.2067E-02	7.5799E+03
3.7000E+01	4.8620E+01	1.9588E-00	6.5893E-01	6.6838E+01	5.5194E-00	1.2109E+01	1.0816E-02	7.7678E+03
3.8000E+01	5.0240E+01	1.8573E-00	6.3895E-01	7.0163E+01	5.5404E-00	1.2663E+01	9.7082E-03	7.9532E+03
3.9000E+01	5.1930E+01	1.7565E-00	6.1774E-01	7.3594E+01	5.5602E-00	1.3235E+01	8.7243E-03	8.1366E+03
4.0000E+01	5.3720E+01	1.6543E-00	5.9475E-01	7.7173E+01	5.5791E-00	1.3832E+01	7.8402E-03	8.3200E+03
4.1000E+01	5.5650E+01	1.5487E-00	5.6938E-01	8.0955E+01	5.5974E-00	1.4462E+01	7.0367E-03	8.5055E+03
4.2000E+01	5.7780E+01	1.4380E-00	5.4089E-01	8.5013E+01	5.6154E-00	1.5139E+01	6.2968E-03	8.6961E+03
4.3000E+01	6.0260E+01	1.3157E-00	5.0714E-01	8.9558E+01	5.6337E-00	1.5896E+01	5.5913E-03	8.9000E+03
4.4000E+01	6.3640E+01	1.1593E-00	4.6027E-01	9.5382E+01	5.6547E-00	1.6867E+01	4.8392E-03	9.1479E+03
4.4452E+01	6.7461E+01	9.9517E-01	4.0660E-01	1.0135E+02	5.6739E-00	1.7863E+01	4.2068E-03	9.3883E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 10.2$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S}{ft^2}$ $\frac{sec^2}{sec^2 - O_R}$
.0000E-99	5.6260E-00	1.0200E+01	9.7680E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	6.2700E-00	9.8102E-00	9.7499E-01	1.2811E-00	1.1930E-00	1.0738E-00	9.9845E-01	2.6579E-00
2.0000E-00	6.9700E-00	9.4601E-00	9.7318E-01	1.6207E-00	1.4072E-00	1.1516E-00	9.8863E-01	1.9606E+01
3.0000E-00	7.7300E-00	9.1173E-00	9.7121E-01	2.0292E-00	1.6409E-00	1.2366E-00	9.6490E-01	6.1313E+01
4.0000E-00	8.5500E-00	8.7651E-00	9.6896E-01	2.5162E-00	1.8902E-00	1.3312E-00	9.2448E-01	1.3473E+02
5.0000E-00	9.4200E-00	8.4161E-00	9.6647E-01	3.0848E-00	2.1474E-00	1.4365E-00	8.6822E-01	2.4247E+02
6.0000E-00	1.0330E+01	8.0810E-00	9.6378E-01	3.7362E-00	2.4051E-00	1.5534E-00	7.9970E-01	3.8354E+02
7.0000E-00	1.1290E+01	7.7249E-00	9.6056E-01	4.4855E-00	2.6620E-00	1.6849E-00	7.2232E-01	5.5819E+02
8.0000E-00	1.2280E+01	7.3857E-00	9.5709E-01	5.3241E-00	2.9092E-00	1.8300E-00	6.4211E-01	7.6016E+02
9.0000E-00	1.3300E+01	7.0551E-00	9.5326E-01	6.2571E-00	3.1445E-00	1.9898E-00	5.6299E-01	9.8582E+02
1.0000E+01	1.4350E+01	6.7280E-00	9.4896E-01	7.2893E-00	3.3663E-00	2.1653E-00	4.8788E-01	1.2315E+03
1.1000E+01	1.5420E+01	6.4186E-00	9.4433E-01	8.4147E-00	3.5719E-00	2.3558E-00	4.1933E-01	1.4913E+03
1.2000E+01	1.6510E+01	6.1226E-00	9.3931E-01	9.6359E-00	3.7615E-00	2.5616E-00	3.5814E-01	1.7620E+03
1.3000E+01	1.7610E+01	5.8512E-00	9.3411E-01	1.0943E+01	3.9342E-00	2.7814E-00	3.0491E-01	2.0381E+03
1.4000E+01	1.8740E+01	5.5742E-00	9.2811E-01	1.2361E+01	4.0938E-00	3.0195E-00	2.5838E-01	2.3222E+03
1.5000E+01	1.9880E+01	5.3176E-00	9.2181E-01	1.3869E+01	4.2384E-00	3.2722E-00	2.1883E-01	2.6073E+03
1.6000E+01	2.1030E+01	5.0784E-00	9.1521E-01	1.5464E+01	4.3693E-00	3.5392E-00	1.8541E-01	2.8917E+03
1.7000E+01	2.2190E+01	4.8543E-00	9.0827E-01	1.7147E+01	4.4879E-00	3.8207E-00	1.5728E-01	3.1740E+03
1.8000E+01	2.3370E+01	4.6343E-00	9.0064E-01	1.8931E+01	4.5961E-00	4.1190E-00	1.3347E-01	3.4557E+03
1.9000E+01	2.4560E+01	4.4277E-00	8.9263E-01	2.0803E+01	4.6941E-00	4.4316E-00	1.1353E-01	3.7333E+03
2.0000E+01	2.5760E+01	4.2331E-00	8.8422E-01	2.2759E+01	4.7830E-00	4.7584E-00	9.6838E-02	4.0063E+03
2.1000E+01	2.6970E+01	4.0495E-00	8.7541E-01	2.4799E+01	4.8636E-00	5.0989E-00	8.2843E-02	4.2742E+03
2.2000E+01	2.8200E+01	3.8696E-00	8.6583E-01	2.6938E+01	4.9374E-00	5.4559E-00	7.1011E-02	4.5386E+03
2.3000E+01	2.9430E+01	3.7060E-00	8.5621E-01	2.9138E+01	5.0039E-00	5.8231E-00	6.1153E-02	4.7951E+03
2.4000E+01	3.0680E+01	3.5455E-00	8.4583E-01	3.1434E+01	5.0650E-00	6.2061E-00	5.2786E-02	5.0476E+03
2.5000E+01	3.1940E+01	3.3941E-00	8.3506E-01	3.3804E+01	5.1207E-00	6.6015E-00	4.5731E-02	5.2937E+03
2.6000E+01	3.3220E+01	3.2464E-00	8.2355E-01	3.6265E+01	5.1718E-00	7.0119E-00	3.9724E-02	5.5354E+03
2.7000E+01	3.4500E+01	3.1114E-00	8.1205E-01	3.8774E+01	5.2182E-00	7.4304E-00	3.4673E-02	5.7688E+03
2.8000E+01	3.5810E+01	2.9760E-00	7.9947E-01	4.1386E+01	5.2613E-00	7.8661E-00	3.0318E-02	5.9991E+03
2.9000E+01	3.7130E+01	2.8486E-00	7.8660E-01	4.4059E+01	5.3008E-00	8.3118E-00	2.6613E-02	6.2228E+03
3.0000E+01	3.8470E+01	2.7254E-00	7.7309E-01	4.6809E+01	5.3372E-00	8.7703E-00	2.3430E-02	6.4413E+03
3.1000E+01	3.9830E+01	2.6066E-00	7.5900E-01	4.9630E+01	5.3708E-00	9.2406E-00	2.0691E-02	6.6547E+03
3.2000E+01	4.1210E+01	2.4925E-00	7.4437E-01	5.2517E+01	5.4018E-00	9.7221E-00	1.8329E-02	6.8627E+03
3.3000E+01	4.2620E+01	2.3807E-00	7.2890E-01	5.5487E+01	5.4307E-00	1.0217E+01	1.6275E-02	7.0666E+03
3.4000E+01	4.4050E+01	2.2741E-00	7.1304E-01	5.8511E+01	5.4574E-00	1.0721E+01	1.4508E-02	7.2648E+03
3.5000E+01	4.5520E+01	2.1684E-00	6.9617E-01	6.1625E+01	5.4824E-00	1.1240E+01	1.2942E-02	7.4598E+03
3.6000E+01	4.7030E+01	2.0648E-00	6.7841E-01	6.4820E+01	5.5057E-00	1.1773E+01	1.1576E-02	7.6512E+03
3.7000E+01	4.8590E+01	1.9623E-00	6.5959E-01	6.8109E+01	5.5277E-00	1.2321E+01	1.0372E-02	7.8396E+03
3.8000E+01	5.0210E+01	1.8604E-00	6.3959E-01	7.1500E+01	5.5483E-00	1.2886E+01	9.3072E-03	8.0256E+03
3.9000E+01	5.1900E+01	1.7593E-00	6.1834E-01	7.5000E+01	5.5679E-00	1.3470E+01	8.3611E-03	8.2096E+03
4.0000E+01	5.3690E+01	1.6567E-00	5.9531E-01	7.8652E+01	5.5865E-00	1.4078E+01	7.5115E-03	8.3935E+03
4.1000E+01	5.5610E+01	1.5519E-00	5.7016E-01	8.2490E+01	5.6044E-00	1.4718E+01	6.7432E-03	8.5786E+03
4.2000E+01	5.7730E+01	1.4415E-00	5.4184E-01	8.6613E+01	5.6220E-00	1.5405E+01	6.0351E-03	8.7690E+03
4.3000E+01	6.0210E+01	1.3187E-00	5.0798E-01	9.1253E+01	5.6401E-00	1.6179E+01	5.3566E-03	8.9736E+03
4.4000E+01	6.3550E+01	1.1638E-00	4.6168E-01	9.7132E+01	5.6606E-00	1.7159E+01	4.6410E-03	9.2197E+03
4.4473E+01	6.7467E+01	9.9524E-01	4.0662E-01	1.0338E+02	5.6800E-00	1.8202E+01	4.0183E-03	9.4669E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 10.3$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2}$ $\frac{sec^2}{sec^2 - O_R}$
.0000E-99	5.5710E-03	1.0300E+01	9.7724E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	6.2100E-00	9.9212E-00	9.7552E-01	1.2816E-00	1.1933E-00	1.0739E-00	9.9844E-01	2.6704E-00
2.0000E-00	6.9100E-00	9.5659E-00	9.7375E-01	1.6248E-00	1.4097E-00	1.1525E-00	9.8846E-01	1.9916E+01
3.0000E-00	7.6800E-00	9.1899E-00	9.7165E-01	2.0438E-00	1.6488E-00	1.2395E-00	9.6385E-01	6.3175E+01
4.0000E-00	8.5000E-00	8.8362E-00	9.6944E-01	2.5374E-00	1.9004E-00	1.3352E-00	9.2252E-01	1.3838E+02
5.0000E-00	9.3700E-00	8.4858E-00	9.6699E-01	3.1141E-00	2.1598E-00	1.4418E-00	8.6519E-01	2.4848E+02
6.0000E-00	1.0290E+01	8.1252E-00	9.6415E-01	3.7827E-00	2.4222E-00	1.5616E-00	7.9480E-01	3.9408E+02
7.0000E-00	1.1240E+01	7.7910E-00	9.6119E-01	4.5358E-00	2.6780E-00	1.6937E-00	7.1729E-01	5.7018E+02
8.0000E-00	1.2240E+01	7.4288E-00	9.5756E-01	5.3965E-00	2.9288E-00	1.8425E-00	6.3558E-01	7.7769E+02
9.0000E-00	1.3260E+01	7.0970E-00	9.5377E-01	6.3450E-00	3.1648E-00	2.0048E-00	5.5609E-01	1.0069E+03
1.0000E+01	1.4310E+01	6.7685E-00	9.4952E-01	7.3948E-00	3.3870E-00	2.1832E-00	4.8090E-01	1.2562E+03
1.1000E+01	1.5380E+01	6.4574E-00	9.4495E-01	8.5396E-00	3.5927E-00	2.3768E-00	4.1248E-01	1.5195E+03
1.2000E+01	1.6470E+01	6.1596E-00	9.3997E-01	9.7821E-00	3.7822E-00	2.5862E-00	3.5161E-01	1.7936E+03
1.3000E+01	1.7580E+01	5.8724E-00	9.3454E-01	1.1124E+01	3.9561E-00	2.8119E-00	2.9836E-01	2.0753E+03
1.4000E+01	1.8700E+01	5.6073E-00	9.2886E-01	1.2556E+01	4.1138E-00	3.0521E-00	2.5276E-01	2.3599E+03
1.5000E+01	1.9840E+01	5.3487E-00	9.2262E-01	1.4090E+01	4.2578E-00	3.3092E-00	2.1372E-01	2.6478E+03
1.6000E+01	2.1000E+01	5.0968E-00	9.1574E-01	1.5729E+01	4.3892E-00	3.5835E-00	1.8055E-01	2.9373E+03
1.7000E+01	2.2170E+01	4.8617E-00	9.0851E-01	1.7458E+01	4.5079E-00	3.8727E-00	1.5273E-01	3.2244E+03
1.8000E+01	2.3340E+01	4.6507E-00	9.0124E-01	1.9261E+01	4.6144E-00	4.1740E-00	1.2963E-01	3.5058E+03
1.9000E+01	2.4530E+01	4.4431E-00	8.9325E-01	2.1167E+01	4.7116E-00	4.4925E-00	1.1014E-01	3.7854E+03
2.0000E+01	2.5730E+01	4.2475E-00	8.8487E-01	2.3160E+01	4.7997E-00	4.8253E-00	9.3841E-02	4.0603E+03
2.1000E+01	2.6950E+01	4.0559E-00	8.7573E-01	2.5256E+01	4.8802E-00	5.1752E-00	8.0097E-02	4.3320E+03
2.2000E+01	2.8170E+01	3.8821E-00	8.6653E-01	2.7418E+01	4.9526E-00	5.5360E-00	6.8681E-02	4.5959E+03
2.3000E+01	2.9410E+01	3.7117E-00	8.5657E-01	2.9679E+01	5.0190E-00	5.9133E-00	5.9025E-02	4.8558E+03
2.4000E+01	3.0660E+01	3.5509E-00	8.4620E-01	3.2019E+01	5.0794E-00	6.3037E-00	5.0912E-02	5.1096E+03
2.5000E+01	3.1920E+01	3.3991E-00	8.3544E-01	3.4435E+01	5.1344E-00	6.7067E-00	4.4077E-02	5.3570E+03
2.6000E+01	3.3190E+01	3.2557E-00	8.2431E-01	3.6923E+01	5.1845E-00	7.1217E-00	3.8304E-02	5.5979E+03
2.7000E+01	3.4480E+01	3.1159E-00	8.1244E-01	3.9501E+01	5.2307E-00	7.5516E-00	3.3378E-02	5.8341E+03
2.8000E+01	3.5780E+01	2.9840E-00	8.0025E-01	4.2144E+01	5.2730E-00	7.9924E-00	2.9198E-02	6.0636E+03
2.9000E+01	3.7100E+01	2.8560E-00	7.8738E-01	4.4869E+01	5.3119E-00	8.4467E-00	2.5616E-02	6.2882E+03
3.0000E+01	3.8440E+01	2.7322E-00	7.7387E-01	4.7671E+01	5.3478E-00	8.9141E-00	2.2541E-02	6.5077E+03
3.1000E+01	3.9800E+01	2.6129E-00	7.5977E-01	5.0547E+01	5.3810E-00	9.3936E-00	1.9896E-02	6.7219E+03
3.2000E+01	4.1180E+01	2.4983E-00	7.4513E-01	5.3491E+01	5.4116E-00	9.8844E-00	1.7617E-02	6.9306E+03
3.3000E+01	4.2590E+01	2.3859E-00	7.2965E-01	5.6519E+01	5.4401E-00	1.0389E+01	1.5637E-02	7.1353E+03
3.4000E+01	4.4030E+01	2.2766E-00	7.1343E-01	5.9624E+01	5.4666E-00	1.0906E+01	1.3914E-02	7.3355E+03
3.5000E+01	4.5500E+01	2.1707E-00	6.9654E-01	6.2799E+01	5.4912E-00	1.1436E+01	1.2415E-02	7.5311E+03
3.6000E+01	4.7010E+01	2.0668E-00	6.7878E-01	6.6057E+01	5.5142E-00	1.1979E+01	1.1102E-02	7.7230E+03
3.7000E+01	4.8570E+01	1.9641E-00	6.5994E-01	6.9411E+01	5.5358E-00	1.2538E+01	9.9443E-03	7.9120E+03
3.8000E+01	5.0180E+01	1.8636E-00	6.4023E-01	7.2848E+01	5.5561E-00	1.3111E+01	8.9258E-03	8.0974E+03
3.9000E+01	5.1870E+01	1.7621E-00	6.1895E-01	7.6418E+01	5.5753E-00	1.3706E+01	8.0160E-03	8.2819E+03
4.0000E+01	5.3660E+01	1.6592E-00	5.9589E-01	8.0143E+01	5.5937E-00	1.4327E+01	7.1991E-03	8.4663E+03
4.1000E+01	5.5580E+01	1.5540E-00	5.7069E-01	8.4058E+01	5.6113E-00	1.4980E+01	6.4608E-03	8.6520E+03
4.2000E+01	5.7690E+01	1.4442E-00	5.4257E-01	8.8244E+01	5.6286E-00	1.5677E+01	5.7834E-03	8.8421E+03
4.3000E+01	6.0150E+01	1.3224E-00	5.0905E-01	9.2942E+01	5.6462E-00	1.6460E+01	5.1360E-03	9.0458E+03
4.4000E+01	6.3460E+01	1.1683E-00	4.6310E-01	9.8894E+01	5.6663E-00	1.7452E+01	4.4527E-03	9.2908E+03
4.4494E+01	6.7473E+01	9.9532E-01	4.0665E-01	1.0543E+02	5.6859E-00	1.8543E+01	3.8398E-03	9.5449E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 10.4$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S,}{\text{ft}^2/\text{sec}^2 \cdot ^\circ\text{R}}$
.0000E-99	5.5180E-00	1.0400E+01	9.7765E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	6.1600E-00	1.0002E+01	9.7590E-01	1.2863E-00	1.1964E-00	1.0750E-00	9.9837E-01	2.7898E-00
2.0000E-00	6.8600E-00	9.6437E-00	9.7415E-01	1.6336E-00	1.4150E-00	1.1544E-00	9.8807E-01	2.0582E+01
3.0000E-00	7.6300E-00	9.2652E-00	9.7209E-01	2.0579E-00	1.6564E-00	1.2423E-00	9.6283E-01	6.4994E+01
4.0000E-00	8.4500E-00	8.9098E-00	9.6992E-01	2.5581E-00	1.9103E-00	1.3391E-00	9.2059E-01	1.4197E+02
5.0000E-00	9.3200E-00	8.5579E-00	9.6751E-01	3.1428E-00	2.1718E-00	1.4470E-00	8.6220E-01	2.5441E+02
6.0000E-00	1.0240E+01	8.1955E-00	9.6473E-01	3.8211E-00	2.4362E-00	1.5684E-00	7.9076E-01	4.0283E+02
7.0000E-00	1.1200E+01	7.8367E-00	9.6162E-01	4.5939E-00	2.6962E-00	1.7038E-00	7.1150E-01	5.8406E+02
8.0000E-00	1.2190E+01	7.4944E-00	9.5825E-01	5.4595E-00	2.9457E-00	1.8533E-00	6.2995E-01	7.9296E+02
9.0000E-00	1.3220E+01	7.1403E-00	9.5430E-01	6.4328E-00	3.1848E-00	2.0198E-00	5.4930E-01	1.0280E+03
1.0000E+01	1.4270E+01	6.8102E-00	9.5009E-01	7.5002E-00	3.4074E-00	2.2011E-00	4.7404E-01	1.2809E+03
1.1000E+01	1.5340E+01	6.4974E-00	9.4557E-01	8.6645E-00	3.6132E-00	2.3979E-00	4.0578E-01	1.5477E+03
1.2000E+01	1.6440E+01	6.1823E-00	9.4038E-01	9.9403E-00	3.8043E-00	2.6129E-00	3.4471E-01	1.8275E+03
1.3000E+01	1.7550E+01	5.8943E-00	9.3498E-01	1.1306E+01	3.9776E-00	2.8425E-00	2.9197E-01	2.1125E+03
1.4000E+01	1.8670E+01	5.6283E-00	9.2934E-01	1.2764E+01	4.1347E-00	3.0870E-00	2.4693E-01	2.4000E+03
1.5000E+01	1.9810E+01	5.3687E-00	9.2313E-01	1.4326E+01	4.2781E-00	3.3487E-00	2.0846E-01	2.6906E+03
1.6000E+01	2.0970E+01	5.1157E-00	9.1629E-01	1.5995E+01	4.4087E-00	3.6280E-00	1.7584E-01	2.9826E+03
1.7000E+01	2.2140E+01	4.8795E-00	9.0909E-01	1.7755E+01	4.5266E-00	3.9224E-00	1.4855E-01	3.2721E+03
1.8000E+01	2.3320E+01	4.6583E-00	9.0151E-01	1.9608E+01	4.6332E-00	4.2320E-00	1.2575E-01	3.5580E+03
1.9000E+01	2.4510E+01	4.4504E-00	8.9355E-01	2.1550E+01	4.7296E-00	4.5564E-00	1.0672E-01	3.8396E+03
2.0000E+01	2.5710E+01	4.2545E-00	8.8519E-01	2.3581E+01	4.8168E-00	4.8956E-00	9.0833E-02	4.1162E+03
2.1000E+01	2.6920E+01	4.0697E-00	8.7642E-01	2.5699E+01	4.8958E-00	5.2491E-00	7.7555E-02	4.3873E+03
2.2000E+01	2.8150E+01	3.8884E-00	8.6688E-01	2.7919E+01	4.9681E-00	5.6197E-00	6.6359E-02	4.6549E+03
2.3000E+01	2.9380E+01	3.7236E-00	8.5730E-01	3.0205E+01	5.0332E-00	6.0010E-00	5.7053E-02	4.9142E+03
2.4000E+01	3.0630E+01	3.5620E-00	8.4695E-01	3.2589E+01	5.0930E-00	6.3988E-00	4.9173E-02	5.1692E+03
2.5000E+01	3.1890E+01	3.4094E-00	8.3620E-01	3.5050E+01	5.1474E-00	6.8094E-00	4.2541E-02	5.4178E+03
2.6000E+01	3.3170E+01	3.2606E-00	8.2470E-01	3.7606E+01	5.1973E-00	7.2357E-00	3.6904E-02	5.6618E+03
2.7000E+01	3.4460E+01	3.1204E-00	8.1285E-01	4.0233E+01	5.2429E-00	7.6738E-00	3.2139E-02	5.8990E+03
2.8000E+01	3.5760E+01	2.9882E-00	8.0066E-01	4.2927E+01	5.2846E-00	8.1231E-00	2.8100E-02	6.1294E+03
2.9000E+01	3.7080E+01	2.8599E-00	7.8779E-01	4.5705E+01	5.3230E-00	8.5862E-00	2.4640E-02	6.3549E+03
3.0000E+01	3.8420E+01	2.7358E-00	7.7428E-01	4.8562E+01	5.3585E-00	9.0626E-00	2.1672E-02	6.5751E+03
3.1000E+01	3.9780E+01	2.6162E-00	7.6018E-01	5.1493E+01	5.3912E-00	9.5514E-00	1.9121E-02	6.7901E+03
3.2000E+01	4.1160E+01	2.5014E-00	7.4554E-01	5.4495E+01	5.4214E-00	1.0051E+01	1.6924E-02	6.9995E+03
3.3000E+01	4.2570E+01	2.3888E-00	7.3006E-01	5.7581E+01	5.4495E-00	1.0566E+01	1.5015E-02	7.2048E+03
3.4000E+01	4.4000E+01	2.2814E-00	7.1417E-01	6.0724E+01	5.4754E-00	1.1090E+01	1.3367E-02	7.4043E+03
3.5000E+01	4.5470E+01	2.1751E-00	6.9727E-01	6.3961E+01	5.4997E-00	1.1630E+01	1.1923E-02	7.6006E+03
3.6000E+01	4.6980E+01	2.0708E-00	6.7948E-01	6.7284E+01	5.5224E-00	1.2183E+01	1.0657E-02	7.7931E+03
3.7000E+01	4.8540E+01	1.9677E-00	6.6063E-01	7.0703E+01	5.5436E-00	1.2753E+01	9.5433E-03	7.9826E+03
3.8000E+01	5.0160E+01	1.8653E-00	6.4058E-01	7.4229E+01	5.5637E-00	1.3341E+01	8.5574E-03	8.1697E+03
3.9000E+01	5.1840E+01	1.7650E-00	6.1958E-01	7.7848E+01	5.5825E-00	1.3944E+01	7.6877E-03	8.3537E+03
4.0000E+01	5.3630E+01	1.6617E-00	5.9647E-01	8.1647E+01	5.6006E-00	1.4578E+01	6.9022E-03	8.5386E+03
4.1000E+01	5.5540E+01	1.5572E-00	5.7149E-01	8.5619E+01	5.6179E-00	1.5240E+01	6.1958E-03	8.7239E+03
4.2000E+01	5.7650E+01	1.4470E-00	5.4330E-01	8.9890E+01	5.6349E-00	1.5952E+01	5.5443E-03	8.9145E+03
4.3000E+01	6.0100E+01	1.3254E-00	5.0991E-01	9.4664E+01	5.6523E-00	1.6747E+01	4.9241E-03	9.1181E+03
4.4000E+01	6.3380E+01	1.1724E-00	4.6436E-01	1.0068E+02	5.6719E-00	1.7751E+01	4.2720E-03	9.3619E+03
4.4515E+01	6.7479E+01	9.9542E-01	4.0669E-01	1.0750E+02	5.6916E-00	1.8888E+01	3.6705E-03	9.6223E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 10.5$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{sec^2 \cdot ^\circ R}$
.0000E-99	5.4650E-00	1.0500E+01	9.7806E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	6.1000E-00	1.0121E+01	9.7645E-01	1.2857E-00	1.1961E-00	1.0749E-00	9.9838E-01	2.7761E-00
2.0000E-00	6.8100E-00	9.7244E-00	9.7456E-01	1.6418E-00	1.4199E-00	1.1562E-00	9.8770E-01	2.1220E+01
3.0000E-00	7.5800E-00	9.3433E-00	9.7253E-01	2.0714E-00	1.6637E-00	1.2450E-00	9.6183E-01	6.6766E+01
4.0000E-00	8.4000E-00	8.9862E-00	9.7040E-01	2.5782E-00	1.9199E-00	1.3428E-00	9.1870E-01	1.4550E+02
5.0000E-00	9.2700E-00	8.6327E-00	9.6805E-01	3.1710E-00	2.1836E-00	1.4521E-00	8.5926E-01	2.6027E+02
6.0000E-00	1.0200E+01	8.2435E-00	9.6512E-01	3.8668E-00	2.4527E-00	1.5765E-00	7.8596E-01	4.1328E+02
7.0000E-00	1.1160E+01	7.8840E-00	9.6205E-01	4.6518E-00	2.7141E-00	1.7138E-00	7.0579E-01	5.9791E+02
8.0000E-00	1.2150E+01	7.5408E-00	9.5873E-01	5.5312E-00	2.9647E-00	1.8656E-00	6.2360E-01	8.1034E+02
9.0000E-00	1.3180E+01	7.1851E-00	9.5483E-01	6.5204E-00	3.2045E-00	2.0347E-00	5.4262E-01	1.0490E+03
1.0000E+01	1.4230E+01	6.8533E-00	9.5067E-01	7.6055E-00	3.4275E-00	2.2189E-00	4.6731E-01	1.3054E+03
1.1000E+01	1.5310E+01	6.5218E-00	9.4594E-01	8.8008E-00	3.6352E-00	2.4209E-00	3.9863E-01	1.5782E+03
1.2000E+01	1.6400E+01	6.2213E-00	9.4106E-01	1.0086E+01	3.8243E-00	2.6375E-00	3.3848E-01	1.8588E+03
1.3000E+01	1.7510E+01	5.9312E-00	9.3571E-01	1.1477E+01	3.9973E-00	2.8711E-00	2.8617E-01	2.1469E+03
1.4000E+01	1.8640E+01	5.6500E-00	9.2983E-01	1.2973E+01	4.1553E-00	3.1221E-00	2.4125E-01	2.4399E+03
1.5000E+01	1.9780E+01	5.3894E-00	9.2365E-01	1.4563E+01	4.2979E-00	3.3884E-00	2.0335E-01	2.7332E+03
1.6000E+01	2.0940E+01	5.1351E-00	9.1684E-01	1.6262E+01	4.4278E-00	3.6727E-00	1.7128E-01	3.0277E+03
1.7000E+01	2.2110E+01	4.8978E-00	9.0968E-01	1.8055E+01	4.5450E-00	3.9725E-00	1.4450E-01	3.3195E+03
1.8000E+01	2.3290E+01	4.6755E-00	9.0213E-01	1.9941E+01	4.6507E-00	4.2877E-00	1.2217E-01	3.6076E+03
1.9000E+01	2.4480E+01	4.4665E-00	8.9420E-01	2.1919E+01	4.7463E-00	4.6180E-00	1.0356E-01	3.8911E+03
2.0000E+01	2.5680E+01	4.2696E-00	8.8586E-01	2.3987E+01	4.8328E-00	4.9634E-00	8.8053E-02	4.1695E+03
2.1000E+01	2.6900E+01	4.0765E-00	8.7676E-01	2.6162E+01	4.9117E-00	5.3265E-00	7.5013E-02	4.4446E+03
2.2000E+01	2.8120E+01	3.9015E-00	8.6760E-01	2.8406E+01	4.9827E-00	5.7009E-00	6.4209E-02	4.7114E+03
2.3000E+01	2.9360E+01	3.7297E-00	8.5767E-01	3.0753E+01	5.0477E-00	6.0925E-00	5.5092E-02	4.9742E+03
2.4000E+01	3.0610E+01	3.5677E-00	8.4733E-01	3.3182E+01	5.1067E-00	6.4978E-00	4.7448E-02	5.2305E+03
2.5000E+01	3.1870E+01	3.4148E-00	8.3660E-01	3.5691E+01	5.1604E-00	6.9162E-00	4.1022E-02	5.4802E+03
2.6000E+01	3.3150E+01	3.2656E-00	8.2511E-01	3.8295E+01	5.2098E-00	7.3506E-00	3.5564E-02	5.7252E+03
2.7000E+01	3.4430E+01	3.1294E-00	8.1363E-01	4.0951E+01	5.2545E-00	7.7935E-00	3.0988E-02	5.9616E+03
2.8000E+01	3.5740E+01	2.9926E-00	8.0107E-01	4.3718E+01	5.2960E-00	8.2548E-00	2.7050E-02	6.1948E+03
2.9000E+01	3.7060E+01	2.8639E-00	7.8821E-01	4.6548E+01	5.3339E-00	8.7268E-00	2.3708E-02	6.4211E+03
3.0000E+01	3.8400E+01	2.7396E-00	7.7470E-01	4.9460E+01	5.3689E-00	9.2123E-00	2.0843E-02	6.6421E+03
3.1000E+01	3.9760E+01	2.6197E-00	7.6060E-01	5.2448E+01	5.4011E-00	9.7104E-00	1.8381E-02	6.8578E+03
3.2000E+01	4.1140E+01	2.5045E-00	7.4596E-01	5.5506E+01	5.4309E-00	1.0220E+01	1.6263E-02	7.0679E+03
3.3000E+01	4.2540E+01	2.3942E-00	7.3083E-01	5.8630E+01	5.4584E-00	1.0741E+01	1.4435E-02	7.2724E+03
3.4000E+01	4.3980E+01	2.2841E-00	7.1458E-01	6.1856E+01	5.4842E-00	1.1279E+01	1.2836E-02	7.4740E+03
3.5000E+01	4.5450E+01	2.1775E-00	6.9767E-01	6.5156E+01	5.5081E-00	1.1829E+01	1.1445E-02	7.6708E+03
3.6000E+01	4.6960E+01	2.0730E-00	6.7987E-01	6.8542E+01	5.5304E-00	1.2393E+01	1.0227E-02	7.8638E+03
3.7000E+01	4.8510E+01	1.9714E-00	6.6132E-01	7.2006E+01	5.5513E-00	1.2970E+01	9.1614E-03	8.0527E+03
3.8000E+01	5.0130E+01	1.8686E-00	6.4124E-01	7.5601E+01	5.5710E-00	1.3570E+01	8.2124E-03	8.2404E+03
3.9000E+01	5.1810E+01	1.7679E-00	6.2020E-01	7.9290E+01	5.5896E-00	1.4185E+01	7.3755E-03	8.4248E+03
4.0000E+01	5.3600E+01	1.6642E-00	5.9706E-01	8.3163E+01	5.6074E-00	1.4830E+01	6.6198E-03	8.6103E+03
4.1000E+01	5.5510E+01	1.5594E-00	5.7204E-01	8.7214E+01	5.6245E-00	1.5506E+01	5.9405E-03	8.7961E+03
4.2000E+01	5.7620E+01	1.4489E-00	5.4379E-01	9.1569E+01	5.6412E-00	1.6232E+01	5.3143E-03	8.9872E+03
4.3000E+01	6.0060E+01	1.3277E-00	5.1056E-01	9.6418E+01	5.6582E-00	1.7040E+01	4.7205E-03	9.1906E+03
4.4000E+01	6.3300E+01	1.1765E-00	4.6563E-01	1.0249E+02	5.6773E-00	1.8052E+01	4.1002E-03	9.4323E+03
4.4535E+01	6.7485E+01	9.9549E-01	4.0671E-01	1.0959E+02	5.6972E-00	1.9237E+01	3.5100E-03	9.6990E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 10.6$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2 \sec^2 - ^\circ R}$
.0000E-99	5.4130E-00	1.0600E+01	9.7847E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	6.0500E-00	1.0208E+01	9.7684E-01	1.2894E-00	1.1985E-00	1.0758E-00	9.9832E-01	2.8730E-00
2.0000E-00	6.7600E-00	9.8081E-00	9.7498E-01	1.6496E-00	1.4246E-00	1.1579E-00	9.8735E-01	2.1829E+01
3.0000E-00	7.5300E-00	9.4243E-00	9.7298E-01	2.0844E-00	1.6707E-00	1.2476E-00	9.6087E-01	6.8488E+01
4.0000E-00	8.3500E-00	9.0653E-00	9.7090E-01	2.5977E-00	1.9291E-00	1.3465E-00	9.1685E-01	1.4896E+02
5.0000E-00	9.2300E-00	8.6831E-00	9.6840E-01	3.2058E-00	2.1980E-00	1.4584E-00	8.5563E-01	2.6755E+02
6.0000E-00	1.0150E+01	8.3183E-00	9.6571E-01	3.9043E-00	2.4661E-00	1.5831E-00	7.8204E-01	4.2187E+02
7.0000E-00	1.1120E+01	7.9330E-00	9.6249E-01	4.7093E-00	2.7318E-00	1.7238E-00	7.0014E-01	6.1170E+02
8.0000E-00	1.2110E+01	7.5887E-00	9.5922E-01	5.6026E-00	2.9834E-00	1.8779E-00	6.1734E-01	8.2766E+02
9.0000E-00	1.3140E+01	7.2314E-00	9.5536E-01	6.6078E-00	3.2239E-00	2.0496E-00	5.3605E-01	1.0699E+03
1.0000E+01	1.4200E+01	6.8793E-00	9.5102E-01	7.7215E-00	3.4492E-00	2.2386E-00	4.6002E-01	1.3324E+03
1.1000E+01	1.5270E+01	6.5640E-00	9.4658E-01	8.9258E-00	3.6550E-00	2.4420E-00	3.9220E-01	1.6061E+03
1.2000E+01	1.6370E+01	6.2458E-00	9.4148E-01	1.0246E+01	3.8456E-00	2.6643E-00	3.3189E-01	1.8926E+03
1.3000E+01	1.7480E+01	5.9546E-00	9.3617E-01	1.1660E+01	4.0181E-00	2.9019E-00	2.8009E-01	2.1838E+03
1.4000E+01	1.8610E+01	5.6724E-00	9.3032E-01	1.3183E+01	4.1754E-00	3.1573E-00	2.3573E-01	2.4797E+03
1.5000E+01	1.9750E+01	5.4106E-00	9.2418E-01	1.4801E+01	4.3174E-00	3.4283E-00	1.9838E-01	2.7757E+03
1.6000E+01	2.0910E+01	5.1551E-00	9.1741E-01	1.6530E+01	4.4465E-00	3.7176E-00	1.6685E-01	3.0726E+03
1.7000E+01	2.2080E+01	4.9166E-00	9.1028E-01	1.8356E+01	4.5629E-00	4.0228E-00	1.4057E-01	3.3667E+03
1.8000E+01	2.3260E+01	4.6931E-00	9.0276E-01	2.0276E+01	4.6680E-00	4.3436E-00	1.1871E-01	3.6569E+03
1.9000E+01	2.4450E+01	4.4829E-00	8.9485E-01	2.2290E+01	4.7628E-00	4.6800E-00	1.0051E-01	3.9423E+03
2.0000E+01	2.5660E+01	4.2771E-00	8.8620E-01	2.4414E+01	4.8492E-00	5.0346E-00	8.5261E-02	4.2248E+03
2.1000E+01	2.6870E+01	4.0909E-00	8.7747E-01	2.6611E+01	4.9267E-00	5.4013E-00	7.2661E-02	4.4992E+03
2.2000E+01	2.8100E+01	3.9082E-00	8.6797E-01	2.8915E+01	4.9975E-00	5.7858E-00	6.2064E-02	4.7697E+03
2.3000E+01	2.9340E+01	3.7361E-00	8.5805E-01	3.1306E+01	5.0618E-00	6.1847E-00	5.3210E-02	5.0338E+03
2.4000E+01	3.0590E+01	3.5737E-00	8.4773E-01	3.3780E+01	5.1201E-00	6.5976E-00	4.5795E-02	5.2914E+03
2.5000E+01	3.1850E+01	3.4204E-00	8.3700E-01	3.6336E+01	5.1732E-00	7.0238E-00	3.9566E-02	5.5422E+03
2.6000E+01	3.3120E+01	3.2755E-00	8.2590E-01	3.8968E+01	5.2216E-00	7.4629E-00	3.4319E-02	5.7864E+03
2.7000E+01	3.4410E+01	3.1342E-00	8.1406E-01	4.1696E+01	5.2661E-00	7.9176E-00	2.9853E-02	6.0256E+03
2.8000E+01	3.5720E+01	2.9971E-00	8.0150E-01	4.4514E+01	5.3071E-00	8.3876E-00	2.6046E-02	6.2597E+03
2.9000E+01	3.7040E+01	2.8681E-00	7.8864E-01	4.7398E+01	5.3445E-00	8.8685E-00	2.2818E-02	6.4868E+03
3.0000E+01	3.8380E+01	2.7434E-00	7.7513E-01	5.0365E+01	5.3790E-00	9.3632E-00	2.0051E-02	6.7086E+03
3.1000E+01	3.9730E+01	2.6262E-00	7.6140E-01	5.3387E+01	5.4106E-00	9.8671E-00	1.7691E-02	6.9234E+03
3.2000E+01	4.1120E+01	2.5078E-00	7.4638E-01	5.6526E+01	5.4402E-00	1.0390E+01	1.5632E-02	7.1358E+03
3.3000E+01	4.2520E+01	2.3971E-00	7.3125E-01	5.9709E+01	5.4673E-00	1.0921E+01	1.3870E-02	7.3409E+03
3.4000E+01	4.3960E+01	2.2868E-00	7.1499E-01	6.2997E+01	5.4927E-00	1.1469E+01	1.2329E-02	7.5431E+03
3.5000E+01	4.5430E+01	2.1800E-00	6.9807E-01	6.6360E+01	5.5163E-00	1.2029E+01	1.0989E-02	7.7404E+03
3.6000E+01	4.6930E+01	2.0771E-00	6.8059E-01	6.9789E+01	5.5381E-00	1.2601E+01	9.8247E-03	7.9328E+03
3.7000E+01	4.8490E+01	1.9734E-00	6.6170E-01	7.3341E+01	5.5588E-00	1.3193E+01	8.7917E-03	8.1234E+03
3.8000E+01	5.0100E+01	1.8719E-00	6.4191E-01	7.6983E+01	5.5782E-00	1.3800E+01	7.8839E-03	8.3104E+03
3.9000E+01	5.1790E+01	1.7695E-00	6.2055E-01	8.0766E+01	5.5966E-00	1.4431E+01	7.0739E-03	8.4964E+03
4.0000E+01	5.3570E+01	1.6668E-00	5.9766E-01	8.4693E+01	5.6140E-00	1.5085E+01	6.3512E-03	8.6814E+03
4.1000E+01	5.5480E+01	1.5617E-00	5.7260E-01	8.8822E+01	5.6308E-00	1.5774E+01	5.6978E-03	8.8677E+03
4.2000E+01	5.7580E+01	1.4517E-00	5.4454E-01	9.3242E+01	5.6473E-00	1.6510E+01	5.0982E-03	9.0585E+03
4.3000E+01	6.0010E+01	1.3308E-00	5.1144E-01	9.8168E+01	5.6640E-00	1.7331E+01	4.5290E-03	9.2616E+03
4.4000E+01	6.3230E+01	1.1800E-00	4.6673E-01	1.0432E+02	5.6827E-00	1.8358E+01	3.9352E-03	9.5028E+03
4.4555E+01	6.7490E+01	9.9562E-01	4.0675E-01	1.1170E+02	5.7026E-00	1.9588E+01	3.3579E-03	9.7750E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 10.7$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{ft^2}$ $\frac{sec^2}{sec^2 \cdot ^\circ R}$
.0000E-99	5.3630E-00	1.0700E+01	9.7884E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	6.0000E-00	1.0300E+01	9.7723E-01	1.2927E-00	1.2007E-00	1.0766E-00	9.9827E-01	2.9594E-00
2.0000E-00	6.7100E-00	9.8949E-00	9.7540E-01	1.6569E-00	1.4289E-00	1.1595E-00	9.8702E-01	2.2408E+01
3.0000E-00	7.4800E-00	9.5082E-00	9.7344E-01	2.0969E-00	1.6773E-00	1.2501E-00	9.5994E-01	7.0157E+01
4.0000E-00	8.3000E-00	9.1473E-00	9.7139E-01	2.6168E-00	1.9381E-00	1.3501E-00	9.1504E-01	1.5234E+02
5.0000E-00	9.1800E-00	8.7627E-00	9.6895E-01	3.2329E-00	2.2092E-00	1.4633E-00	8.5279E-01	2.7325E+02
6.0000E-00	1.0110E+01	8.3701E-00	9.6611E-01	3.9491E-00	2.4821E-00	1.5910E-00	7.7734E-01	4.3221E+02
7.0000E-00	1.1080E+01	7.9837E-00	9.6294E-01	4.7665E-00	2.7491E-00	1.7337E-00	6.9455E-01	6.2544E+02
8.0000E-00	1.2080E+01	7.6163E-00	9.5950E-01	5.6833E-00	3.0042E-00	1.8917E-00	6.1035E-01	8.4721E+02
9.0000E-00	1.3110E+01	7.2589E-00	9.5568E-01	6.7053E-00	3.2452E-00	2.0661E-00	5.2883E-01	1.0932E+03
1.0000E+01	1.4160E+01	6.9248E-00	9.5161E-01	7.8268E-00	3.4686E-00	2.2564E-00	4.5353E-01	1.3567E+03
1.1000E+01	1.5240E+01	6.5903E-00	9.4697E-01	9.0627E-00	3.6763E-00	2.4651E-00	3.8532E-01	1.6364E+03
1.2000E+01	1.6340E+01	6.2710E-00	9.4191E-01	1.0405E+01	3.8665E-00	2.6911E-00	3.2544E-01	1.9263E+03
1.3000E+01	1.7450E+01	5.9789E-00	9.3663E-01	1.1844E+01	4.0386E-00	2.9328E-00	2.7416E-01	2.2205E+03
1.4000E+01	1.8580E+01	5.6954E-00	9.3083E-01	1.3394E+01	4.1953E-00	3.1926E-00	2.3035E-01	2.5193E+03
1.5000E+01	1.9730E+01	5.4202E-00	9.2442E-01	1.5055E+01	4.3377E-00	3.4709E-00	1.9326E-01	2.8205E+03
1.6000E+01	2.0880E+01	5.1756E-00	9.1798E-01	1.6800E+01	4.4649E-00	3.7628E-00	1.6256E-01	3.1173E+03
1.7000E+01	2.2050E+01	4.9358E-00	9.1088E-01	1.8658E+01	4.5806E-00	4.0733E-00	1.3678E-01	3.4137E+03
1.8000E+01	2.3240E+01	4.7017E-00	9.0307E-01	2.0629E+01	4.6856E-00	4.4027E-00	1.1520E-01	3.7083E+03
1.9000E+01	2.4430E+01	4.4912E-00	8.9518E-01	2.2680E+01	4.7796E-00	4.7452E-00	9.7443E-02	3.9956E+03
2.0000E+01	2.5630E+01	4.2928E-00	8.8689E-01	2.4825E+01	4.8645E-00	5.1033E-00	8.2682E-02	4.2775E+03
2.1000E+01	2.6850E+01	4.0982E-00	8.7783E-01	2.7081E+01	4.9419E-00	5.4798E-00	7.0306E-02	4.5558E+03
2.2000E+01	2.8080E+01	3.9151E-00	8.6835E-01	2.9427E+01	5.0120E-00	5.8713E-00	6.0002E-02	4.8277E+03
2.3000E+01	2.9310E+01	3.7487E-00	8.5881E-01	3.1843E+01	5.0751E-00	6.2743E-00	5.1466E-02	5.0910E+03
2.4000E+01	3.0560E+01	3.5854E-00	8.4850E-01	3.4363E+01	5.1328E-00	6.6947E-00	4.4261E-02	5.3498E+03
2.5000E+01	3.1830E+01	3.4260E-00	8.3742E-01	3.6986E+01	5.1857E-00	7.1322E-00	3.8171E-02	5.6038E+03
2.6000E+01	3.3100E+01	3.2808E-00	8.2632E-01	3.9668E+01	5.2336E-00	7.5795E-00	3.3090E-02	5.8490E+03
2.7000E+01	3.4390E+01	3.1391E-00	8.1449E-01	4.2446E+01	5.2775E-00	8.0427E-00	2.8768E-02	6.0891E+03
2.8000E+01	3.5690E+01	3.0056E-00	8.0232E-01	4.5295E+01	5.3176E-00	8.5178E-00	2.5112E-02	6.3223E+03
2.9000E+01	3.7020E+01	2.8723E-00	7.8908E-01	4.8255E+01	5.3549E-00	9.0114E-00	2.1966E-02	6.5520E+03
3.0000E+01	3.8350E+01	2.7506E-00	7.7595E-01	5.1255E+01	5.3887E-00	9.5116E-00	1.9313E-02	6.7730E+03
3.1000E+01	3.9710E+01	2.6298E-00	7.6184E-01	5.4356E+01	5.4201E-00	1.0028E+01	1.7017E-02	6.9901E+03
3.2000E+01	4.1090E+01	2.5139E-00	7.4718E-01	5.7532E+01	5.4490E-00	1.0558E+01	1.5043E-02	7.2016E+03
3.3000E+01	4.2500E+01	2.4002E-00	7.3168E-01	6.0798E+01	5.4760E-00	1.1102E+01	1.3332E-02	7.4089E+03
3.4000E+01	4.3930E+01	2.2919E-00	7.1577E-01	6.4125E+01	5.5008E-00	1.1657E+01	1.1856E-02	7.6103E+03
3.5000E+01	4.5400E+01	2.1846E-00	6.9883E-01	6.7551E+01	5.5241E-00	1.2228E+01	1.0564E-02	7.8082E+03
3.6000E+01	4.6910E+01	2.0794E-00	6.8099E-01	7.1068E+01	5.5458E-00	1.2814E+01	9.4340E-03	8.0024E+03
3.7000E+01	4.8470E+01	1.9754E-00	6.6208E-01	7.4689E+01	5.5662E-00	1.3418E+01	8.4396E-03	8.1935E+03
3.8000E+01	5.0080E+01	1.8737E-00	6.4228E-01	7.8400E+01	5.5853E-00	1.4036E+01	7.5661E-03	8.3810E+03
3.9000E+01	5.1760E+01	1.7725E-00	6.2119E-01	8.2232E+01	5.6033E-00	1.4675E+01	6.7912E-03	8.5664E+03
4.0000E+01	5.3540E+01	1.6695E-00	5.9826E-01	8.6234E+01	5.6205E-00	1.5342E+01	6.0956E-03	8.7519E+03
4.1000E+01	5.5440E+01	1.5651E-00	5.7342E-01	9.0422E+01	5.6370E-00	1.6040E+01	5.4699E-03	8.9377E+03
4.2000E+01	5.7540E+01	1.4546E-00	5.4529E-01	9.4928E+01	5.6532E-00	1.6791E+01	4.8926E-03	9.1291E+03
4.3000E+01	5.9970E+01	1.3332E-00	5.1211E-01	9.9951E+01	5.6696E-00	1.7629E+01	4.3448E-03	9.3329E+03
4.4000E+01	6.3160E+01	1.1836E-00	4.6784E-01	1.0617E+02	5.6879E-00	1.8666E+01	3.7782E-03	9.5727E+03
4.4574E+01	6.7496E+01	9.9568E-01	4.0677E-01	1.1383E+02	5.7079E-00	1.9943E+01	3.2134E-03	9.8505E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 10.8$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{\text{sec}^2 \cdot ^\circ \text{R}}$
.0000E-99	5.3130E-00	1.0800E+01	9.7922E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	5.9500E-00	1.0394E+01	9.7763E-01	1.2955E-00	1.2025E-00	1.0773E-00	9.9823E-01	3.0354E-00
2.0000E-00	6.6600E-00	9.9849E-00	9.7582E-01	1.6637E-00	1.4330E-00	1.1609E-00	9.8671E-01	2.2954E+01
3.0000E-00	7.4300E-00	9.5751E-00	9.7390E-01	2.1089E-00	1.6837E-00	1.2525E-00	9.5903E-01	7.1770E+01
4.0000E-00	8.2600E-00	9.2023E-00	9.7172E-01	2.6419E-00	1.9500E-00	1.3548E-00	9.1263E-01	1.5686E+02
5.0000E-00	9.1400E-00	8.8173E-00	9.6931E-01	3.2669E-00	2.2231E-00	1.4695E-00	8.4922E-01	2.8044E+02
6.0000E-00	1.0070E+01	8.4238E-00	9.6652E-01	3.9937E-00	2.4977E-00	1.5988E-00	7.7269E-01	4.4250E+02
7.0000E-00	1.1030E+01	8.0601E-00	9.6360E-01	4.8144E-00	2.7635E-00	1.7421E-00	6.8990E-01	6.3698E+02
8.0000E-00	1.2040E+01	7.6672E-00	9.6000E-01	5.7544E-00	3.0223E-00	1.9039E-00	6.0426E-01	8.6442E+02
9.0000E-00	1.3070E+01	7.3078E-00	9.5623E-01	6.7924E-00	3.2640E-00	2.0810E-00	5.2247E-01	1.1139E+03
1.0000E+01	1.4130E+01	6.9528E-00	9.5198E-01	7.9431E-00	3.4898E-00	2.2761E-00	4.4650E-01	1.3836E+03
1.1000E+01	1.5210E+01	6.6174E-00	9.4737E-01	9.1999E-00	3.6973E-00	2.4882E-00	3.7858E-01	1.6667E+03
1.2000E+01	1.6300E+01	6.3131E-00	9.4261E-01	1.0552E+01	3.8855E-00	2.7159E-00	3.1964E-01	1.9571E+03
1.3000E+01	1.7420E+01	6.0038E-00	9.3711E-01	1.2029E+01	4.0587E-00	2.9638E-00	2.6838E-01	2.2571E+03
1.4000E+01	1.8550E+01	5.7190E-00	9.3134E-01	1.3605E+01	4.2148E-00	3.2280E-00	2.2512E-01	2.5587E+03
1.5000E+01	1.9700E+01	5.4424E-00	9.2497E-01	1.5296E+01	4.3565E-00	3.5111E-00	1.8858E-01	2.8626E+03
1.6000E+01	2.0860E+01	5.1853E-00	9.1826E-01	1.7087E+01	4.4840E-00	3.8108E-00	1.5817E-01	3.1644E+03
1.7000E+01	2.2030E+01	4.9452E-00	9.1118E-01	1.8979E+01	4.5988E-00	4.1269E-00	1.3291E-01	3.4629E+03
1.8000E+01	2.3210E+01	4.7201E-00	9.0372E-01	2.0968E+01	4.7022E-00	4.4593E-00	1.1197E-01	3.7571E+03
1.9000E+01	2.4410E+01	4.4997E-00	8.9552E-01	2.3074E+01	4.7961E-00	4.8109E-00	9.4477E-02	4.0487E+03
2.0000E+01	2.5610E+01	4.3009E-00	8.8725E-01	2.5257E+01	4.8802E-00	5.1754E-00	8.0088E-02	4.3322E+03
2.1000E+01	2.6830E+01	4.1058E-00	8.7821E-01	2.7554E+01	4.9569E-00	5.5588E-00	6.8039E-02	4.6120E+03
2.2000E+01	2.8050E+01	3.9289E-00	8.6910E-01	2.9924E+01	5.0257E-00	5.9542E-00	5.8094E-02	4.8831E+03
2.3000E+01	2.9290E+01	3.7554E-00	8.5922E-01	3.2403E+01	5.0886E-00	6.3678E-00	4.9730E-02	5.1499E+03
2.4000E+01	3.0540E+01	3.5916E-00	8.4892E-01	3.4970E+01	5.1457E-00	6.7959E-00	4.2738E-02	5.4099E+03
2.5000E+01	3.1800E+01	3.4370E-00	8.3822E-01	3.7620E+01	5.1976E-00	7.2380E-00	3.6877E-02	5.6630E+03
2.6000E+01	3.3080E+01	3.2862E-00	8.2676E-01	4.0372E+01	5.2452E-00	7.6970E-00	3.1912E-02	5.9112E+03
2.7000E+01	3.4370E+01	3.1442E-00	8.1493E-01	4.3202E+01	5.2886E-00	8.1688E-00	2.7729E-02	6.1522E+03
2.8000E+01	3.5670E+01	3.0103E-00	8.0276E-01	4.6103E+01	5.3282E-00	8.6527E-00	2.4193E-02	6.3863E+03
2.9000E+01	3.6990E+01	2.8803E-00	7.8991E-01	4.9096E+01	5.3647E-00	9.1516E-00	2.1174E-02	6.6151E+03
3.0000E+01	3.8330E+01	2.7546E-00	7.7640E-01	5.2174E+01	5.3983E-00	9.6649E-00	1.8589E-02	6.8385E+03
3.1000E+01	3.9690E+01	2.6335E-00	7.6229E-01	5.5334E+01	5.4293E-00	1.0191E+01	1.6373E-02	7.0563E+03
3.2000E+01	4.1070E+01	2.5172E-00	7.4763E-01	5.8568E+01	5.4579E-00	1.0730E+01	1.4468E-02	7.2685E+03
3.3000E+01	4.2480E+01	2.4033E-00	7.3212E-01	6.1896E+01	5.4845E-00	1.1285E+01	1.2818E-02	7.4764E+03
3.4000E+01	4.3910E+01	2.2947E-00	7.1620E-01	6.5285E+01	5.5090E-00	1.1850E+01	1.1395E-02	7.6783E+03
3.5000E+01	4.5380E+01	2.1872E-00	6.9925E-01	6.8776E+01	5.5319E-00	1.2432E+01	1.0150E-02	7.8768E+03
3.6000E+01	4.6890E+01	2.0817E-00	6.8140E-01	7.2359E+01	5.5533E-00	1.3029E+01	9.0616E-03	8.0715E+03
3.7000E+01	4.8440E+01	1.9792E-00	6.6280E-01	7.6024E+01	5.5732E-00	1.3640E+01	8.1099E-03	8.2619E+03
3.8000E+01	5.0050E+01	1.8772E-00	6.4297E-01	7.9805E+01	5.5921E-00	1.4271E+01	7.2683E-03	8.4499E+03
3.9000E+01	5.1740E+01	1.7741E-00	6.2155E-01	8.3734E+01	5.6099E-00	1.4925E+01	6.5178E-03	8.6369E+03
4.0000E+01	5.3510E+01	1.6721E-00	5.9888E-01	8.7789E+01	5.6268E-00	1.5601E+01	5.8522E-03	8.8218E+03
4.1000E+01	5.5410E+01	1.5674E-00	5.7399E-01	9.2057E+01	5.6430E-00	1.6313E+01	5.2500E-03	9.0081E+03
4.2000E+01	5.7510E+01	1.4565E-00	5.4581E-01	9.6650E+01	5.6590E-00	1.7078E+01	4.6945E-03	9.2000E+03
4.3000E+01	5.9920E+01	1.3363E-00	5.1300E-01	1.0172E+02	5.6751E-00	1.7925E+01	4.1715E-03	9.4027E+03
4.4000E+01	6.3090E+01	1.1872E-00	4.6896E-01	1.0803E+02	5.6930E-00	1.8977E+01	3.6288E-03	9.6419E+03
4.4592E+01	6.7501E+01	9.9575E-01	4.0680E-01	1.1598E+02	5.7130E-00	2.0301E+01	3.0762E-03	9.9253E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 10.9$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2}$ $sec^2 - ^\circ R$
.0000E-99	5.2640E-00	1.0900E+01	9.7959E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	5.9000E-00	1.0492E+01	9.7803E-01	1.2979E-00	1.2041E-00	1.0779E-00	9.9819E-01	3.1002E-00
2.0000E-00	6.6100E-00	1.0078E+01	9.7625E-01	1.6700E-00	1.4367E-00	1.1623E-00	9.8641E-01	2.3466E+01
3.0000E-00	7.3800E-00	9.6850E-00	9.7436E-01	2.1203E-00	1.6898E-00	1.2547E-00	9.5817E-01	7.3324E+01
4.0000E-00	8.2100E-00	9.2895E-00	9.7223E-01	2.6599E-00	1.9584E-00	1.3582E-00	9.1091E-01	1.6011E+02
5.0000E-00	9.1000E-00	8.8738E-00	9.6968E-01	3.3005E-00	2.2367E-00	1.4755E-00	8.4569E-01	2.8758E+02
6.0000E-00	1.0030E+01	8.4793E-00	9.6694E-01	4.0378E-00	2.5131E-00	1.6066E-00	7.6810E-01	4.5273E+02
7.0000E-00	1.1000E+01	8.0902E-00	9.6386E-01	4.8799E-00	2.7830E-00	1.7534E-00	6.8359E-01	6.5274E+02
8.0000E-00	1.2000E+01	7.7197E-00	9.6051E-01	5.8251E-00	3.0402E-00	1.9160E-00	5.9826E-01	8.8154E+02
9.0000E-00	1.3030E+01	7.3583E-00	9.5679E-01	6.8793E-00	3.2824E-00	2.0957E-00	5.1622E-01	1.1346E+03
1.0000E+01	1.4090E+01	7.0010E-00	9.5259E-01	8.0482E-00	3.5085E-00	2.2938E-00	4.4025E-01	1.4077E+03
1.1000E+01	1.5170E+01	6.6630E-00	9.4803E-01	9.3252E-00	3.7161E-00	2.5093E-00	3.7255E-01	1.6943E+03
1.2000E+01	1.6270E+01	6.3401E-00	9.4306E-01	1.0713E+01	3.9058E-00	2.7428E-00	3.1347E-01	1.9906E+03
1.3000E+01	1.7390E+01	6.0294E-00	9.3760E-01	1.2214E+01	4.0785E-00	2.9949E-00	2.6273E-01	2.2935E+03
1.4000E+01	1.8520E+01	5.7433E-00	9.3186E-01	1.3818E+01	4.2339E-00	3.2636E-00	2.2002E-01	2.5980E+03
1.5000E+01	1.9670E+01	5.4653E-00	9.2553E-01	1.5538E+01	4.3749E-00	3.5516E-00	1.8404E-01	2.9044E+03
1.6000E+01	2.0830E+01	5.2068E-00	9.1885E-01	1.7360E+01	4.5017E-00	3.8564E-00	1.5414E-01	3.2087E+03
1.7000E+01	2.2000E+01	4.9653E-00	9.1180E-01	1.9284E+01	4.6157E-00	4.1780E-00	1.2936E-01	3.5094E+03
1.8000E+01	2.3190E+01	4.7293E-00	9.0404E-01	2.1327E+01	4.7192E-00	4.5191E-00	1.0869E-01	3.8081E+03
1.9000E+01	2.4380E+01	4.5172E-00	8.9620E-01	2.3451E+01	4.8116E-00	4.8740E-00	9.1744E-02	4.0990E+03
2.0000E+01	2.5590E+01	4.3092E-00	8.8761E-01	2.5693E+01	4.8956E-00	5.2481E-00	7.7589E-02	4.3866E+03
2.1000E+01	2.6800E+01	4.1210E-00	8.7894E-01	2.8011E+01	4.9709E-00	5.6351E-00	6.5945E-02	4.6656E+03
2.2000E+01	2.8030E+01	3.9363E-00	8.6950E-01	3.0444E+01	5.0396E-00	6.0409E-00	5.6187E-02	4.9404E+03
2.3000E+01	2.9270E+01	3.7622E-00	8.5963E-01	3.2968E+01	5.1018E-00	6.4620E-00	4.8062E-02	5.2085E+03
2.4000E+01	3.0520E+01	3.5981E-00	8.4934E-01	3.5581E+01	5.1582E-00	6.8979E-00	4.1277E-02	5.4696E+03
2.5000E+01	3.1780E+01	3.4430E-00	8.3865E-01	3.8280E+01	5.2095E-00	7.3480E-00	3.5594E-02	5.7238E+03
2.6000E+01	3.3060E+01	3.2918E-00	8.2720E-01	4.1082E+01	5.2566E-00	7.8154E-00	3.0784E-02	5.9729E+03
2.7000E+01	3.4350E+01	3.1494E-00	8.1538E-01	4.3963E+01	5.2994E-00	8.2958E-00	2.6735E-02	6.2149E+03
2.8000E+01	3.5650E+01	3.0151E-00	8.0322E-01	4.6918E+01	5.3386E-00	8.7886E-00	2.3314E-02	6.4498E+03
2.9000E+01	3.6970E+01	2.8847E-00	7.9036E-01	4.9966E+01	5.3746E-00	9.2967E-00	2.0395E-02	6.6794E+03
3.0000E+01	3.8310E+01	2.7587E-00	7.7686E-01	5.3101E+01	5.4077E-00	9.8194E-00	1.7898E-02	6.9035E+03
3.1000E+01	3.9670E+01	2.6373E-00	7.6275E-01	5.6319E+01	5.4383E-00	1.0355E+01	1.5758E-02	7.1220E+03
3.2000E+01	4.1050E+01	2.5207E-00	7.4808E-01	5.9613E+01	5.4665E-00	1.0905E+01	1.3920E-02	7.3349E+03
3.3000E+01	4.2460E+01	2.4064E-00	7.3257E-01	6.3002E+01	5.4927E-00	1.1470E+01	1.2327E-02	7.5433E+03
3.4000E+01	4.3890E+01	2.2976E-00	7.1664E-01	6.6454E+01	5.5169E-00	1.2045E+01	1.0955E-02	7.7458E+03
3.5000E+01	4.5360E+01	2.1898E-00	6.9968E-01	7.0010E+01	5.5395E-00	1.2638E+01	9.7556E-03	7.9449E+03
3.6000E+01	4.6870E+01	2.0841E-00	6.8182E-01	7.3660E+01	5.5606E-00	1.3246E+01	8.7067E-03	8.1401E+03
3.7000E+01	4.8420E+01	1.9814E-00	6.6320E-01	7.7393E+01	5.5803E-00	1.3869E+01	7.7901E-03	8.3310E+03
3.8000E+01	5.0030E+01	1.8791E-00	6.4335E-01	8.1245E+01	5.5988E-00	1.4511E+01	6.9798E-03	8.5194E+03
3.9000E+01	5.1710E+01	1.7772E-00	6.2221E-01	8.5224E+01	5.6163E-00	1.5174E+01	6.2614E-03	8.7058E+03
4.0000E+01	5.3480E+01	1.6748E-00	5.9950E-01	8.9356E+01	5.6329E-00	1.5863E+01	5.6204E-03	8.8911E+03
4.1000E+01	5.5380E+01	1.5697E-00	5.7457E-01	9.3705E+01	5.6489E-00	1.6588E+01	5.0406E-03	9.0780E+03
4.2000E+01	5.7470E+01	1.4595E-00	5.4658E-01	9.8363E+01	5.6646E-00	1.7364E+01	4.5083E-03	9.2695E+03
4.3000E+01	5.9880E+01	1.3387E-00	5.1369E-01	1.0354E+02	5.6804E-00	1.8227E+01	4.0047E-03	9.4727E+03
4.4000E+01	6.3020E+01	1.1909E-00	4.7009E-01	1.0991E+02	5.6980E-00	1.9290E+01	3.4865E-03	9.7105E+03
4.4610E+01	6.7506E+01	9.9584E-01	4.0683E-01	1.1815E+02	5.7180E-00	2.0663E+01	2.9460E-03	9.9996E+03

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 11.0$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{\text{sec}^2 \cdot ^\circ \text{R}}$
.0000E-99	5.2160E-00	1.1000E+01	9.7995E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	5.9600E-00	1.0555E+01	9.7829E-01	1.3048E-00	1.2086E-00	1.0795E-00	9.9808E-01	3.2925E-00
2.0000E-00	6.5600E-00	1.0174E+01	9.7669E-01	1.6757E-00	1.4402E-00	1.1635E-00	9.8614E-01	2.3942E+01
3.0000E-00	7.3400E-00	9.7452E-00	9.7467E-01	2.1374E-00	1.6988E-00	1.2581E-00	9.5685E-01	7.5679E+01
4.0000E-00	8.1700E-00	9.3490E-00	9.7256E-01	2.6842E-00	1.9697E-00	1.3627E-00	9.0856E-01	1.6455E+02
5.0000E-00	9.0500E-00	8.9609E-00	9.7024E-01	3.3261E-00	2.2470E-00	1.4801E-00	8.4301E-01	2.9304E+02
6.0000E-00	9.9900E-00	8.5366E-00	9.6736E-01	4.0816E-00	2.5283E-00	1.6143E-00	7.6355E-01	4.6292E+02
7.0000E-00	1.0960E+01	8.1461E-00	9.6432E-01	4.9360E-00	2.7995E-00	1.7631E-00	6.7822E-01	6.6628E+02
8.0000E-00	1.1960E+01	7.7738E-00	9.6103E-01	5.8955E-00	3.0577E-00	1.9280E-00	5.9235E-01	8.9858E+02
9.0000E-00	1.3000E+01	7.3893E-00	9.5713E-01	6.9768E-00	3.3028E-00	2.1123E-00	5.0931E-01	1.1577E+03
1.0000E+01	1.4060E+01	7.0311E-00	9.5296E-01	8.1648E-00	3.5290E-00	2.3135E-00	4.3346E-01	1.4344E+03
1.1000E+01	1.5140E+01	6.6921E-00	9.4845E-01	9.4629E-00	3.7365E-00	2.5325E-00	3.6607E-01	1.7244E+03
1.2000E+01	1.6240E+01	6.3679E-00	9.4352E-01	1.0874E+01	3.9258E-00	2.7698E-00	3.0744E-01	2.0239E+03
1.3000E+01	1.7360E+01	6.0558E-00	9.3809E-01	1.2401E+01	4.0979E-00	3.0261E-00	2.5723E-01	2.3299E+03
1.4000E+01	1.8500E+01	5.7546E-00	9.3210E-01	1.4046E+01	4.2540E-00	3.3018E-00	2.1473E-01	2.6398E+03
1.5000E+01	1.9650E+01	5.4762E-00	9.2579E-01	1.5796E+01	4.3942E-00	3.5948E-00	1.7934E-01	2.9488E+03
1.6000E+01	2.0810E+01	5.2173E-00	9.1914E-01	1.7651E+01	4.5201E-00	3.9049E-00	1.5000E-01	3.2553E+03
1.7000E+01	2.1980E+01	4.9754E-00	9.1211E-01	1.9609E+01	4.6332E-00	4.2322E-00	1.2573E-01	3.5581E+03
1.8000E+01	2.3160E+01	4.7485E-00	9.0471E-01	2.1669E+01	4.7350E-00	4.5764E-00	1.0568E-01	3.8563E+03
1.9000E+01	2.4360E+01	4.5263E-00	8.9656E-01	2.3850E+01	4.8274E-00	4.9404E-00	8.8980E-02	4.1515E+03
2.0000E+01	2.5560E+01	4.3258E-00	8.8833E-01	2.6112E+01	4.9100E-00	5.3180E-00	7.5283E-02	4.4384E+03
2.1000E+01	2.6780E+01	4.1290E-00	8.7933E-01	2.8491E+01	4.9852E-00	5.7151E-00	6.3843E-02	4.7212E+03
2.2000E+01	2.8010E+01	3.9438E-00	8.6990E-01	3.0967E+01	5.0532E-00	6.1282E-00	5.4353E-02	4.9974E+03
2.3000E+01	2.9250E+01	3.7693E-00	8.6005E-01	3.3537E+01	5.1147E-00	6.5569E-00	4.6459E-02	5.2666E+03
2.4000E+01	3.0500E+01	3.6046E-00	8.4978E-01	3.6197E+01	5.1705E-00	7.0006E-00	3.9874E-02	5.5289E+03
2.5000E+01	3.1760E+01	3.4492E-00	8.3910E-01	3.8944E+01	5.2212E-00	7.4588E-00	3.4363E-02	5.7842E+03
2.6000E+01	3.3040E+01	3.2975E-00	8.2765E-01	4.1798E+01	5.2677E-00	7.9347E-00	2.9703E-02	6.0343E+03
2.7000E+01	3.4330E+01	3.1547E-00	8.1584E-01	4.4731E+01	5.3100E-00	8.4238E-00	2.5782E-02	6.2772E+03
2.8000E+01	3.5630E+01	3.0200E-00	8.0368E-01	4.7740E+01	5.3487E-00	8.9255E-00	2.2473E-02	6.5129E+03
2.9000E+01	3.6950E+01	2.8893E-00	7.9083E-01	5.0843E+01	5.3842E-00	9.4428E-00	1.9650E-02	6.7433E+03
3.0000E+01	3.8290E+01	2.7629E-00	7.7732E-01	5.4035E+01	5.4170E-00	9.9751E-00	1.7237E-02	6.9681E+03
3.1000E+01	3.9650E+01	2.6412E-00	7.6321E-01	5.7311E+01	5.4471E-00	1.0521E+01	1.5170E-02	7.1873E+03
3.2000E+01	4.1030E+01	2.5242E-00	7.4854E-01	6.0666E+01	5.4750E-00	1.1080E+01	1.3395E-02	7.4007E+03
3.3000E+01	4.2440E+01	2.4097E-00	7.3302E-01	6.4117E+01	5.5008E-00	1.1656E+01	1.1859E-02	7.6098E+03
3.4000E+01	4.3870E+01	2.3005E-00	7.1708E-01	6.7633E+01	5.5246E-00	1.2242E+01	1.0535E-02	7.8128E+03
3.5000E+01	4.5340E+01	2.1925E-00	7.0011E-01	7.1254E+01	5.5469E-00	1.2845E+01	9.3791E-03	8.0124E+03
3.6000E+01	4.6840E+01	2.0885E-00	6.8258E-01	7.4947E+01	5.5676E-00	1.3461E+01	8.3744E-03	8.2068E+03
3.7000E+01	4.8400E+01	1.9835E-00	6.6361E-01	7.8774E+01	5.5871E-00	1.4099E+01	7.4852E-03	8.3995E+03
3.8000E+01	5.0010E+01	1.8810E-00	6.4374E-01	8.2697E+01	5.6054E-00	1.4753E+01	6.7048E-03	8.5884E+03
3.9000E+01	5.1690E+01	1.7789E-00	6.2258E-01	8.6750E+01	5.6226E-00	1.5428E+01	6.0133E-03	8.7752E+03
4.0000E+01	5.3460E+01	1.6764E-00	5.9985E-01	9.0959E+01	5.6390E-00	1.6130E+01	5.3963E-03	8.9610E+03
4.1000E+01	5.5350E+01	1.5721E-00	5.7516E-01	9.5366E+01	5.6547E-00	1.6864E+01	4.8411E-03	9.1472E+03
4.2000E+01	5.7440E+01	1.4615E-00	5.4712E-01	1.0011E+02	5.6701E-00	1.7656E+01	4.3287E-03	9.3392E+03
4.3000E+01	5.9840E+01	1.3412E-00	5.1438E-01	1.0536E+02	5.6857E-00	1.8531E+01	3.8458E-03	9.5422E+03
4.4000E+01	6.2960E+01	1.1940E-00	4.7104E-01	1.1182E+02	5.7029E-00	1.9608E+01	3.3496E-03	9.7792E+03
4.4628E+01	6.7511E+01	9.9593E-01	4.0686E-01	1.2034E+02	5.7229E-00	2.1028E+01	2.8222E-03	1.0073E+04

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 11.1$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2 \sec^2 - C_R}$
.0000E-99	5.1690E-00	1.1100E+01	9.8030E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	5.8100E-00	1.0659E+01	9.7870E-01	1.3063E-00	1.2096E-00	1.0799E-00	9.9805E-01	3.3359E-00
2.0000E-00	6.5200E-00	1.0238E+01	9.7697E-01	1.6867E-00	1.4466E-00	1.1659E-00	9.8561E-01	2.4855E+01
3.0000E-00	7.2900E-00	9.8409E-00	9.7514E-01	2.1478E-00	1.7043E-00	1.2601E-00	9.5605E-01	7.7125E+01
4.0000E-00	8.1300E-00	9.4106E-00	9.7291E-01	2.7081E-00	1.9807E-00	1.3672E-00	9.0623E-01	1.6894E+02
5.0000E-00	9.0100E-00	9.0217E-00	9.7063E-01	3.3587E-00	2.2601E-00	1.4860E-00	8.3957E-01	3.0006E+02
6.0000E-00	9.9500E-00	8.5959E-00	9.6779E-01	4.1249E-00	2.5432E-00	1.6219E-00	7.5906E-01	4.7304E+02
7.0000E-00	1.0920E+01	8.2038E-00	9.6480E-01	4.9919E-00	2.8158E-00	1.7727E-00	6.7291E-01	6.7976E+02
8.0000E-00	1.1930E+01	7.8065E-00	9.6134E-01	5.9758E-00	3.0774E-00	1.9418E-00	5.8569E-01	9.1797E+02
9.0000E-00	1.2970E+01	7.4213E-00	9.5748E-01	7.0743E-00	3.3229E-00	2.1288E-00	5.0250E-01	1.1808E+03
1.0000E+01	1.4030E+01	7.0621E-00	9.5335E-01	8.2815E-00	3.5492E-00	2.3333E-00	4.2678E-01	1.4611E+03
1.1000E+01	1.5110E+01	6.7220E-00	9.4887E-01	9.6008E-00	3.7565E-00	2.5557E-00	3.5973E-01	1.7544E+03
1.2000E+01	1.6210E+01	6.3965E-00	9.4398E-01	1.1035E+01	3.9454E-00	2.7969E-00	3.0155E-01	2.0571E+03
1.3000E+01	1.7340E+01	6.0678E-00	9.3831E-01	1.2602E+01	4.1184E-00	3.0598E-00	2.5146E-01	2.3688E+03
1.4000E+01	1.8470E+01	5.7801E-00	9.3264E-01	1.4260E+01	4.2725E-00	3.3377E-00	2.0991E-01	2.6787E+03
1.5000E+01	1.9620E+01	5.5002E-00	9.2637E-01	1.6040E+01	4.4120E-00	3.6356E-00	1.7506E-01	2.9903E+03
1.6000E+01	2.0780E+01	5.2398E-00	9.1975E-01	1.7926E+01	4.5371E-00	3.9510E-00	1.4622E-01	3.2992E+03
1.7000E+01	2.1960E+01	4.9858E-00	9.1244E-01	1.9935E+01	4.6504E-00	4.2867E-00	1.2223E-01	3.6067E+03
1.8000E+01	2.3140E+01	4.7584E-00	9.0505E-01	2.2032E+01	4.7514E-00	4.6369E-00	1.0262E-01	3.9068E+03
1.9000E+01	2.4340E+01	4.5356E-00	8.9692E-01	2.4251E+01	4.8430E-00	5.0074E-00	8.6313E-02	4.2038E+03
2.0000E+01	2.5540E+01	4.3346E-00	8.8871E-01	2.6553E+01	4.9248E-00	5.3916E-00	7.2959E-02	4.4922E+03
2.1000E+01	2.6760E+01	4.1373E-00	8.7973E-01	2.8974E+01	4.9992E-00	5.7957E-00	6.1820E-02	4.7765E+03
2.2000E+01	2.7990E+01	3.9516E-00	8.7032E-01	3.1494E+01	5.0665E-00	6.2161E-00	5.2589E-02	5.0540E+03
2.3000E+01	2.9230E+01	3.7765E-00	8.6048E-01	3.4109E+01	5.1273E-00	6.6524E-00	4.4920E-02	5.3245E+03
2.4000E+01	3.0480E+01	3.6114E-00	8.5022E-01	3.6817E+01	5.1825E-00	7.1041E-00	3.8527E-02	5.5879E+03
2.5000E+01	3.1740E+01	3.4555E-00	8.3955E-01	3.9614E+01	5.2326E-00	7.5705E-00	3.3182E-02	5.8442E+03
2.6000E+01	3.3020E+01	3.3033E-00	8.2811E-01	4.2518E+01	5.2786E-00	8.0548E-00	2.8666E-02	6.0952E+03
2.7000E+01	3.4310E+01	3.1601E-00	8.1631E-01	4.5504E+01	5.3204E-00	8.5527E-00	2.4870E-02	6.3390E+03
2.8000E+01	3.5610E+01	3.0250E-00	8.0415E-01	4.8567E+01	5.3585E-00	9.0635E-00	2.1667E-02	6.5755E+03
2.9000E+01	3.6940E+01	2.8902E-00	7.9092E-01	5.1750E+01	5.3939E-00	9.5942E-00	1.8918E-02	6.8084E+03
3.0000E+01	3.8270E+01	2.7672E-00	7.7780E-01	5.4976E+01	5.4260E-00	1.0132E+01	1.6605E-02	7.0322E+03
3.1000E+01	3.9630E+01	2.6451E-00	7.6368E-01	5.8312E+01	5.4557E-00	1.0688E+01	1.4608E-02	7.2520E+03
3.2000E+01	4.1010E+01	2.5278E-00	7.4901E-01	6.1728E+01	5.4832E-00	1.1257E+01	1.2895E-02	7.4661E+03
3.3000E+01	4.2420E+01	2.4130E-00	7.3348E-01	6.5242E+01	5.5087E-00	1.1843E+01	1.1411E-02	7.6758E+03
3.4000E+01	4.3850E+01	2.3035E-00	7.1754E-01	6.8821E+01	5.5322E-00	1.2440E+01	1.0135E-02	7.8794E+03
3.5000E+01	4.5320E+01	2.1952E-00	7.0056E-01	7.2508E+01	5.5541E-00	1.3054E+01	9.0198E-03	8.0794E+03
3.6000E+01	4.6820E+01	2.0909E-00	6.8301E-01	7.6269E+01	5.5745E-00	1.3681E+01	8.0513E-03	8.2743E+03
3.7000E+01	4.8380E+01	1.9858E-00	6.6402E-01	8.0166E+01	5.5938E-00	1.4331E+01	7.1945E-03	8.4674E+03
3.8000E+01	4.9980E+01	1.8846E-00	6.4445E-01	8.4137E+01	5.6117E-00	1.4993E+01	6.4470E-03	8.6557E+03
3.9000E+01	5.1660E+01	1.7821E-00	6.2325E-01	8.8264E+01	5.6287E-00	1.5681E+01	5.7804E-03	8.8430E+03
4.0000E+01	5.3430E+01	1.6791E-00	6.0048E-01	9.2551E+01	5.6448E-00	1.6395E+01	5.1859E-03	9.0292E+03
4.1000E+01	5.5330E+01	1.5735E-00	5.7548E-01	9.7064E+01	5.6604E-00	1.7147E+01	4.6485E-03	9.2169E+03
4.2000E+01	5.7410E+01	1.4636E-00	5.4766E-01	1.0187E+02	5.6755E-00	1.7949E+01	4.1576E-03	9.4084E+03
4.3000E+01	5.9800E+01	1.3437E-00	5.1508E-01	1.0720E+02	5.6908E-00	1.8838E+01	3.6945E-03	9.6111E+03
4.4000E+01	6.2900E+01	1.1971E-00	4.7200E-01	1.1374E+02	5.7077E-00	1.9928E+01	3.2192E-03	9.8474E+03
4.4645E+01	6.7516E+01	9.9600E-01	4.0688E-01	1.2255E+02	5.7277E-00	2.1396E+01	2.7046E-03	1.0146E+04

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 11.2$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2}$ $\frac{sec^2}{sec^2 \cdot ^\circ R}$
0.0000E-99	5.1230E-00	1.1200E+01	9.8063E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	0.0000E-99
1.0000E-00	5.7600E-00	1.0768E+01	9.7911E-01	1.3074E-00	1.2103E-00	1.0801E-00	9.9804E-01	3.3662E-00
2.0000E-00	6.4700E-00	1.0341E+01	9.7741E-01	1.6915E-00	1.4495E-00	1.1669E-00	9.8538E-01	2.5264E+01
3.0000E-00	7.2500E-00	9.9059E-00	9.7545E-01	2.1640E-00	1.7129E-00	1.2633E-00	9.5478E-01	7.9404E+01
4.0000E-00	8.0800E-00	9.5059E-00	9.7343E-01	2.7245E-00	1.9883E-00	1.3702E-00	9.0463E-01	1.7197E+02
5.0000E-00	8.9700E-00	9.0847E-00	9.7101E-01	3.3910E-00	2.2730E-00	1.4918E-00	8.3616E-01	3.0703E+02
6.0000E-00	9.9100E-00	8.6572E-00	9.6822E-01	4.1679E-00	2.5578E-00	1.6294E-00	7.5463E-01	4.8310E+02
7.0000E-00	1.0880E+01	8.2633E-00	9.6528E-01	5.0473E-00	2.8318E-00	1.7823E-00	6.6768E-01	6.9315E+02
8.0000E-00	1.1890E+01	7.8638E-00	9.6187E-01	6.0457E-00	3.0944E-00	1.9537E-00	5.7996E-01	9.3486E+02
9.0000E-00	1.2930E+01	7.4759E-00	9.5806E-01	7.1607E-00	3.3405E-00	2.1435E-00	4.9656E-01	1.2012E+03
1.0000E+01	1.4000E+01	7.0942E-00	9.5374E-01	8.3984E-00	3.5691E-00	2.3530E-00	4.2023E-01	1.4876E+03
1.1000E+01	1.5080E+01	6.7529E-00	9.4930E-01	9.7391E-00	3.7762E-00	2.5790E-00	3.5351E-01	1.7843E+03
1.2000E+01	1.6190E+01	6.4092E-00	9.4418E-01	1.1210E+01	3.9663E-00	2.8264E-00	2.9532E-01	2.0929E+03
1.3000E+01	1.7310E+01	6.0955E-00	9.3882E-01	1.2789E+01	4.1372E-00	3.0913E-00	2.4623E-01	2.4048E+03
1.4000E+01	1.8440E+01	5.8063E-00	9.3319E-01	1.4475E+01	4.2906E-00	3.3737E-00	2.0522E-01	2.7175E+03
1.5000E+01	1.9590E+01	5.5247E-00	9.2695E-01	1.6285E+01	4.4294E-00	3.6765E-00	1.7089E-01	3.0316E+03
1.6000E+01	2.0760E+01	5.2511E-00	9.2005E-01	1.8220E+01	4.5549E-00	4.0000E-00	1.4233E-01	3.3454E+03
1.7000E+01	2.1930E+01	5.0072E-00	9.1309E-01	2.0246E+01	4.6664E-00	4.3386E-00	1.1901E-01	3.6525E+03
1.8000E+01	2.3120E+01	4.7686E-00	9.0540E-01	2.2397E+01	4.7674E-00	4.6979E-00	9.9662E-02	3.9570E+03
1.9000E+01	2.4310E+01	4.5541E-00	8.9763E-01	2.4635E+01	4.8575E-00	5.0716E-00	8.3859E-02	4.2532E+03
2.0000E+01	2.5520E+01	4.3436E-00	8.8910E-01	2.6997E+01	4.9392E-00	5.4657E-00	7.0719E-02	4.5457E+03
2.1000E+01	2.6740E+01	4.1458E-00	8.8014E-01	2.9461E+01	5.0130E-00	5.8769E-00	5.9872E-02	4.8314E+03
2.2000E+01	2.7970E+01	3.9595E-00	8.7074E-01	3.2025E+01	5.0795E-00	6.3047E-00	5.0893E-02	5.1102E+03
2.3000E+01	2.9210E+01	3.7839E-00	8.6091E-01	3.4686E+01	5.1397E-00	6.7486E-00	4.3440E-02	5.3819E+03
2.4000E+01	3.0460E+01	3.6183E-00	8.5067E-01	3.7442E+01	5.1943E-00	7.2083E-00	3.7234E-02	5.6465E+03
2.5000E+01	3.1720E+01	3.4619E-00	8.4001E-01	4.0288E+01	5.2438E-00	7.6829E-00	3.2050E-02	5.9038E+03
2.6000E+01	3.3000E+01	3.3093E-00	8.2858E-01	4.3244E+01	5.2892E-00	8.1759E-00	2.7673E-02	6.1557E+03
2.7000E+01	3.4290E+01	3.1656E-00	8.1678E-01	4.6283E+01	5.3305E-00	8.6827E-00	2.3996E-02	6.4004E+03
2.8000E+01	3.5600E+01	3.0261E-00	8.0425E-01	4.9425E+01	5.3685E-00	9.2065E-00	2.0874E-02	6.6395E+03
2.9000E+01	3.6920E+01	2.8949E-00	7.9141E-01	5.2641E+01	5.4031E-00	9.7426E-00	1.8236E-02	6.8713E+03
3.0000E+01	3.8250E+01	2.7715E-00	7.7828E-01	5.5924E+01	5.4347E-00	1.0290E+01	1.6000E-02	7.0958E+03
3.1000E+01	3.9610E+01	2.6491E-00	7.6416E-01	5.9320E+01	5.4641E-00	1.0856E+01	1.4071E-02	7.3164E+03
3.2000E+01	4.0990E+01	2.5315E-00	7.4949E-01	6.2797E+01	5.4912E-00	1.1435E+01	1.2416E-02	7.5310E+03
3.3000E+01	4.2400E+01	2.4163E-00	7.3395E-01	6.6375E+01	5.5164E-00	1.2032E+01	1.0984E-02	7.7413E+03
3.4000E+01	4.3830E+01	2.3066E-00	7.1800E-01	7.0019E+01	5.5395E-00	1.2639E+01	9.7528E-03	7.9454E+03
3.5000E+01	4.5300E+01	2.1980E-00	7.0101E-01	7.3773E+01	5.5612E-00	1.3265E+01	8.6768E-03	8.1460E+03
3.6000E+01	4.6800E+01	2.0934E-00	6.8345E-01	7.7601E+01	5.5813E-00	1.3903E+01	7.7430E-03	8.3413E+03
3.7000E+01	4.8350E+01	1.9898E-00	6.6477E-01	8.1544E+01	5.6002E-00	1.4560E+01	6.9220E-03	8.5337E+03
3.8000E+01	4.9960E+01	1.8866E-00	6.4486E-01	8.5612E+01	5.6179E-00	1.5239E+01	6.1969E-03	8.7236E+03
3.9000E+01	5.1640E+01	1.7839E-00	6.2364E-01	8.9815E+01	5.6347E-00	1.5939E+01	5.5548E-03	8.9113E+03
4.0000E+01	5.3410E+01	1.6807E-00	6.0084E-01	9.4180E+01	5.6506E-00	1.6667E+01	4.9823E-03	9.0979E+03
4.1000E+01	5.5300E+01	1.5759E-00	5.7608E-01	9.8752E+01	5.6658E-00	1.7429E+01	4.4675E-03	9.2851E+03
4.2000E+01	5.7380E+01	1.4656E-00	5.4820E-01	1.0365E+02	5.6808E-00	1.8246E+01	3.9946E-03	9.4771E+03
4.3000E+01	5.9760E+01	1.3462E-00	5.1578E-01	1.0906E+02	5.6958E-00	1.9147E+01	3.5503E-03	9.6794E+03
4.4000E+01	6.2840E+01	1.2003E-00	4.7297E-01	1.1568E+02	5.7123E-00	2.0251E+01	3.0949E-03	9.9149E+03
4.4662E+01	6.7520E+01	9.9612E-01	4.0692E-01	1.2478E+02	5.7323E-00	2.1768E+01	2.5928E-03	1.0218E+04

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 11.3$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2}$ $\frac{sec^2}{R}$
.0000E-99	5.0770E-00	1.1300E+01	9.8097E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	5.7200E-00	1.0839E+01	9.7937E-01	1.3131E-00	1.2140E-00	1.0815E-00	9.9794E-01	3.5333E-00
2.0000E-00	6.4300E-00	1.0410E+01	9.7769E-01	1.7016E-00	1.4555E-00	1.1691E-00	9.8488E-01	2.6130E+01
3.0000E-00	7.2100E-00	9.9731E-00	9.7577E-01	2.1799E-00	1.7212E-00	1.2664E-00	9.5353E-01	8.1652E+01
4.0000E-00	8.0400E-00	9.5723E-00	9.7378E-01	2.7475E-00	1.9988E-00	1.3745E-00	9.0238E-01	1.7626E+02
5.0000E-00	8.9300E-00	9.1497E-00	9.7141E-01	3.4229E-00	2.2856E-00	1.4975E-00	8.3280E-01	3.1394E+02
6.0000E-00	9.8700E-00	8.7204E-00	9.6866E-01	4.2105E-00	2.5721E-00	1.6369E-00	7.5025E-01	4.9308E+02
7.0000E-00	1.0850E+01	8.2990E-00	9.6556E-01	5.1119E-00	2.8502E-00	1.7935E-00	6.6163E-01	7.0878E+02
8.0000E-00	1.1860E+01	7.8990E-00	9.6219E-01	6.1257E-00	3.1135E-00	1.9674E-00	5.7347E-01	9.5417E+02
9.0000E-00	1.2900E+01	7.5102E-00	9.5842E-01	7.2581E-00	3.3601E-00	2.1600E-00	4.8997E-01	1.2242E+03
1.0000E+01	1.3970E+01	7.1272E-00	9.5414E-01	8.5155E-00	3.5887E-00	2.3728E-00	4.1379E-01	1.5141E+03
1.1000E+01	1.5050E+01	6.7846E-00	9.4974E-01	9.8776E-00	3.7956E-00	2.6023E-00	3.4742E-01	1.8141E+03
1.2000E+01	1.6160E+01	6.4393E-00	9.4466E-01	1.1373E+01	3.9853E-00	2.8536E-00	2.8970E-01	2.1259E+03
1.3000E+01	1.7280E+01	6.1239E-00	9.3934E-01	1.2977E+01	4.1557E-00	3.1228E-00	2.4114E-01	2.4407E+03
1.4000E+01	1.8420E+01	5.8190E-00	9.3345E-01	1.4707E+01	4.3097E-00	3.4125E-00	2.0033E-01	2.7588E+03
1.5000E+01	1.9570E+01	5.5370E-00	9.2724E-01	1.6547E+01	4.4477E-00	3.7204E-00	1.6659E-01	3.0754E+03
1.6000E+01	2.0730E+01	5.2745E-00	9.2068E-01	1.8498E+01	4.5713E-00	4.0465E-00	1.3877E-01	3.3888E+03
1.7000E+01	2.1910E+01	5.0183E-00	9.1342E-01	2.0576E+01	4.6830E-00	4.3937E-00	1.1572E-01	3.7006E+03
1.8000E+01	2.3100E+01	4.7791E-00	9.0576E-01	2.2764E+01	4.7832E-00	4.7592E-00	9.6801E-02	4.0070E+03
1.9000E+01	2.4290E+01	4.5640E-00	8.9801E-01	2.5041E+01	4.8724E-00	5.1393E-00	8.1372E-02	4.3049E+03
2.0000E+01	2.5500E+01	4.3529E-00	8.8950E-01	2.7443E+01	4.9534E-00	5.5403E-00	6.8560E-02	4.5989E+03
2.1000E+01	2.6720E+01	4.1545E-00	8.8055E-01	2.9950E+01	5.0264E-00	5.9586E-00	5.7995E-02	4.8861E+03
2.2000E+01	2.7950E+01	3.9676E-00	8.7117E-01	3.2559E+01	5.0923E-00	6.3938E-00	4.9261E-02	5.1662E+03
2.3000E+01	2.9190E+01	3.7915E-00	8.6136E-01	3.5267E+01	5.1518E-00	6.8455E-00	4.2018E-02	5.4391E+03
2.4000E+01	3.0440E+01	3.6253E-00	8.5112E-01	3.8071E+01	5.2058E-00	7.3132E-00	3.5993E-02	5.7047E+03
2.5000E+01	3.1700E+01	3.4684E-00	8.4048E-01	4.0967E+01	5.2548E-00	7.7962E-00	3.0963E-02	5.9630E+03
2.6000E+01	3.2980E+01	3.3154E-00	8.2906E-01	4.3975E+01	5.2996E-00	8.2978E-00	2.6720E-02	6.2159E+03
2.7000E+01	3.4270E+01	3.1712E-00	8.1726E-01	4.7068E+01	5.3404E-00	8.8135E-00	2.3158E-02	6.4614E+03
2.8000E+01	3.5580E+01	3.0313E-00	8.0474E-01	5.0265E+01	5.3779E-00	9.3466E-00	2.0136E-02	6.7013E+03
2.9000E+01	3.6900E+01	2.8997E-00	7.9189E-01	5.3538E+01	5.4121E-00	9.8922E-00	1.7584E-02	6.9339E+03
3.0000E+01	3.8240E+01	2.7725E-00	7.7839E-01	5.6905E+01	5.4436E-00	1.0453E+01	1.5407E-02	7.1607E+03
3.1000E+01	3.9600E+01	2.6500E-00	7.6428E-01	6.0362E+01	5.4725E-00	1.1029E+01	1.3544E-02	7.3818E+03
3.2000E+01	4.0980E+01	2.5324E-00	7.4960E-01	6.3901E+01	5.4992E-00	1.1619E+01	1.1948E-02	7.5970E+03
3.3000E+01	4.2380E+01	2.4197E-00	7.3443E-01	6.7516E+01	5.5239E-00	1.2222E+01	1.0576E-02	7.8063E+03
3.4000E+01	4.3810E+01	2.3097E-00	7.1847E-01	7.1226E+01	5.5467E-00	1.2840E+01	9.3874E-03	8.0109E+03
3.5000E+01	4.5280E+01	2.2008E-00	7.0147E-01	7.5047E+01	5.5681E-00	1.3477E+01	8.3493E-03	8.2120E+03
3.6000E+01	4.6780E+01	2.0960E-00	6.8389E-01	7.8944E+01	5.5879E-00	1.4127E+01	7.4488E-03	8.4078E+03
3.7000E+01	4.8330E+01	1.9921E-00	6.6520E-01	8.2958E+01	5.6065E-00	1.4796E+01	6.6572E-03	8.6006E+03
3.8000E+01	4.9940E+01	1.8886E-00	6.4527E-01	8.7100E+01	5.6240E-00	1.5487E+01	5.9584E-03	8.7909E+03
3.9000E+01	5.1620E+01	1.7857E-00	6.2403E-01	9.1379E+01	5.6405E-00	1.6200E+01	5.3397E-03	8.9791E+03
4.0000E+01	5.3380E+01	1.6836E-00	6.0149E-01	9.5798E+01	5.6561E-00	1.6936E+01	4.7911E-03	9.1651E+03
4.1000E+01	5.5270E+01	1.5784E-00	5.7669E-01	1.0045E+02	5.6712E-00	1.7712E+01	4.2949E-03	9.3527E+03
4.2000E+01	5.7350E+01	1.4678E-00	5.4875E-01	1.0544E+02	5.6859E-00	1.8544E+01	3.8392E-03	9.5451E+03
4.3000E+01	5.9730E+01	1.3479E-00	5.1628E-01	1.1095E+02	5.7007E-00	1.9462E+01	3.4112E-03	9.7480E+03
4.4000E+01	6.2780E+01	1.2035E-00	4.7395E-01	1.1763E+02	5.7169E-00	2.0577E+01	2.9765E-03	9.9819E+03
4.4678E+01	6.7525E+01	9.9617E-01	4.0694E-01	1.2703E+02	5.7369E-00	2.2143E+01	2.4863E-03	1.0290E+04

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 11.4$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{\text{ft}^2/\text{sec}^2 \cdot ^\circ\text{R}}$
.0000E-99	5.0320E-00	1.1400E+01	9.8130E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	5.6700E-00	1.0954E+01	9.7979E-01	1.3133E-00	1.2142E-00	1.0816E-00	9.9794E-01	3.5385E-00
2.0000E-00	6.3900E-00	1.0481E+01	9.7799E-01	1.7114E-00	1.4612E-00	1.1711E-00	9.8440E-01	2.6975E+01
3.0000E-00	7.1600E-00	1.0077E+01	9.7625E-01	2.1887E-00	1.7258E-00	1.2682E-00	9.5282E-01	8.2924E+01
4.0000E-00	8.0000E-00	9.6408E-00	9.7414E-01	2.7700E-00	2.0091E-00	1.3787E-00	9.0015E-01	1.8049E+02
5.0000E-00	8.8900E-00	9.2168E-00	9.7180E-01	3.4543E-00	2.2979E-00	1.5031E-00	8.2949E-01	3.2079E+02
6.0000E-00	9.8300E-00	8.7856E-00	9.6910E-01	4.2526E-00	2.5862E-00	1.6443E-00	7.4593E-01	5.0299E+02
7.0000E-00	1.0810E+01	8.3619E-00	9.6605E-01	5.1667E-00	2.8656E-00	1.8029E-00	6.5654E-01	7.2203E+02
8.0000E-00	1.1830E+01	7.9353E-00	9.6251E-01	6.2057E-00	3.1324E-00	1.9810E-00	5.6706E-01	9.7344E+02
9.0000E-00	1.2870E+01	7.5456E-00	9.5878E-01	7.3556E-00	3.3793E-00	2.1766E-00	4.8348E-01	1.2470E+03
1.0000E+01	1.3940E+01	7.1612E-00	9.5454E-01	8.6327E-00	3.6080E-00	2.3925E-00	4.0748E-01	1.5405E+03
1.1000E+01	1.5020E+01	6.8172E-00	9.5019E-01	1.0016E+01	3.8147E-00	2.6257E-00	3.4146E-01	1.8438E+03
1.2000E+01	1.6130E+01	6.4701E-00	9.4514E-01	1.1535E+01	4.0040E-00	2.8810E-00	2.8421E-01	2.1587E+03
1.3000E+01	1.7260E+01	6.1376E-00	9.3958E-01	1.3181E+01	4.1753E-00	3.1569E-00	2.3578E-01	2.4793E+03
1.4000E+01	1.8390E+01	5.8464E-00	9.3401E-01	1.4924E+01	4.3272E-00	3.4488E-00	1.9590E-01	2.7973E+03
1.5000E+01	1.9550E+01	5.5496E-00	9.2754E-01	1.6811E+01	4.4656E-00	3.7645E-00	1.6240E-01	3.1190E+03
1.6000E+01	2.0710E+01	5.2866E-00	9.2100E-01	1.8794E+01	4.5884E-00	4.0961E-00	1.3512E-01	3.4347E+03
1.7000E+01	2.1890E+01	5.0297E-00	9.1377E-01	2.0908E+01	4.6992E-00	4.4492E-00	1.1254E-01	3.7484E+03
1.8000E+01	2.3070E+01	4.7997E-00	9.0645E-01	2.3114E+01	4.7978E-00	4.8177E-00	9.4177E-02	4.0541E+03
1.9000E+01	2.4270E+01	4.5742E-00	8.9840E-01	2.5449E+01	4.8871E-00	5.2075E-00	7.8972E-02	4.3563E+03
2.0000E+01	2.5480E+01	4.3624E-00	8.8990E-01	2.7893E+01	4.9673E-00	5.6153E-00	6.6478E-02	4.6518E+03
2.1000E+01	2.6700E+01	4.1634E-00	8.8098E-01	3.0443E+01	5.0396E-00	6.0408E-00	5.6189E-02	4.9404E+03
2.2000E+01	2.7930E+01	3.9759E-00	8.7161E-01	3.3097E+01	5.1048E-00	6.4836E-00	4.7691E-02	5.2218E+03
2.3000E+01	2.9170E+01	3.7992E-00	8.6181E-01	3.5852E+01	5.1637E-00	6.9431E-00	4.0651E-02	5.4958E+03
2.4000E+01	3.0420E+01	3.6325E-00	8.5159E-01	3.8705E+01	5.2170E-00	7.4188E-00	3.4800E-02	5.7625E+03
2.5000E+01	3.1690E+01	3.4698E-00	8.4057E-01	4.1675E+01	5.2658E-00	7.9142E-00	2.9884E-02	6.0238E+03
2.6000E+01	3.2960E+01	3.3216E-00	8.2954E-01	4.4712E+01	5.3098E-00	8.4206E-00	2.5806E-02	6.2756E+03
2.7000E+01	3.4250E+01	3.1769E-00	8.1775E-01	4.7859E+01	5.3501E-00	8.9453E-00	2.2355E-02	6.5220E+03
2.8000E+01	3.5560E+01	3.0365E-00	8.0523E-01	5.1112E+01	5.3871E-00	9.4877E-00	1.9429E-02	6.7627E+03
2.9000E+01	3.6880E+01	2.9046E-00	7.9239E-01	5.4442E+01	5.4209E-00	1.0042E+01	1.6959E-02	6.9959E+03
3.0000E+01	3.8220E+01	2.7770E-00	7.7889E-01	5.7868E+01	5.4520E-00	1.0614E+01	1.4853E-02	7.2235E+03
3.1000E+01	3.9580E+01	2.6542E-00	7.6477E-01	6.1386E+01	5.4806E-00	1.1200E+01	1.3053E-02	7.4452E+03
3.2000E+01	4.0960E+01	2.5362E-00	7.5009E-01	6.4988E+01	5.5069E-00	1.1801E+01	1.1510E-02	7.6610E+03
3.3000E+01	4.2360E+01	2.4232E-00	7.3491E-01	6.8667E+01	5.5312E-00	1.2414E+01	1.0186E-02	7.8708E+03
3.4000E+01	4.3800E+01	2.3105E-00	7.1859E-01	7.2468E+01	5.5539E-00	1.3048E+01	9.0309E-03	8.0773E+03
3.5000E+01	4.5260E+01	2.2037E-00	7.0193E-01	7.6331E+01	5.5748E-00	1.3692E+01	8.0365E-03	8.2775E+03
3.6000E+01	4.6760E+01	2.0986E-00	6.8434E-01	8.0298E+01	5.5944E-00	1.4353E+01	7.1677E-03	8.4738E+03
3.7000E+01	4.8310E+01	1.9944E-00	6.6564E-01	8.4383E+01	5.6127E-00	1.5034E+01	6.4044E-03	8.6671E+03
3.8000E+01	4.9920E+01	1.8907E-00	6.4568E-01	8.8599E+01	5.6300E-00	1.5736E+01	5.7307E-03	8.8578E+03
3.9000E+01	5.1590E+01	1.7890E-00	6.2472E-01	9.2929E+01	5.6462E-00	1.6458E+01	5.1377E-03	9.0452E+03
4.0000E+01	5.3360E+01	1.6852E-00	6.0186E-01	9.7453E+01	5.6616E-00	1.7212E+01	4.6059E-03	9.2327E+03
4.1000E+01	5.5250E+01	1.5798E-00	5.7703E-01	1.0219E+02	5.6765E-00	1.8002E+01	4.1279E-03	9.4207E+03
4.2000E+01	5.7320E+01	1.4699E-00	5.4931E-01	1.0725E+02	5.6909E-00	1.8845E+01	3.6911E-03	9.6127E+03
4.3000E+01	5.9690E+01	1.3505E-00	5.1699E-01	1.1283E+02	5.7054E-00	1.9776E+01	3.2802E-03	9.8152E+03
4.4000E+01	6.2730E+01	1.2061E-00	4.7475E-01	1.1962E+02	5.7213E-00	2.0908E+01	2.8623E-03	1.0049E+04
4.4694E+01	6.7530E+01	9.9623E-01	4.0696E-01	1.2930E+02	5.7413E-00	2.2521E+01	2.3850E-03	1.0362E+04

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 11.5$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S,}{\text{ft}^2}$ $\frac{\text{sec}^2}{\text{sec}^2 \cdot \text{O}_R}$
.0000E-99	4.9890E-00	1.1500E+01	9.8160E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	5.6300E-00	1.1032E+01	9.8007E-01	1.3182E-00	1.2174E-00	1.0828E-00	9.9785E-01	3.6876E-00
2.0000E-00	6.3400E-00	1.0593E+01	9.7844E-01	1.7148E-00	1.4632E-00	1.1719E-00	9.8423E-01	2.7276E+01
3.0000E-00	7.1200E-00	1.0150E+01	9.7658E-01	2.2037E-00	1.7336E-00	1.2711E-00	9.5162E-01	8.5079E+01
4.0000E-00	7.9600E-00	9.7116E-00	9.7450E-01	2.7922E-00	2.0192E-00	1.3828E-00	8.9796E-01	1.8468E+02
5.0000E-00	8.8600E-00	9.2552E-00	9.7203E-01	3.4935E-00	2.3132E-00	1.5102E-00	8.2535E-01	3.2938E+02
6.0000E-00	9.8000E-00	8.8243E-00	9.6936E-01	4.3033E-00	2.6030E-00	1.6532E-00	7.4074E-01	5.1496E+02
7.0000E-00	1.0780E+01	8.4004E-00	9.6635E-01	5.2309E-00	2.8836E-00	1.8140E-00	6.5061E-01	7.3759E+02
8.0000E-00	1.1790E+01	7.9972E-00	9.6306E-01	6.2748E-00	3.1486E-00	1.9928E-00	5.6159E-01	9.9008E+02
9.0000E-00	1.2840E+01	7.5821E-00	9.5915E-01	7.4531E-00	3.3983E-00	2.1931E-00	4.7709E-01	1.2699E+03
1.0000E+01	1.3910E+01	7.1962E-00	9.5496E-01	8.7500E-00	3.6271E-00	2.4123E-00	4.0127E-01	1.5668E+03
1.1000E+01	1.5000E+01	6.8320E-00	9.5039E-01	1.0168E+01	3.8353E-00	2.6513E-00	3.3506E-01	1.8763E+03
1.2000E+01	1.6110E+01	6.4847E-00	9.4537E-01	1.1713E+01	4.0240E-00	2.9107E-00	2.7838E-01	2.1943E+03
1.3000E+01	1.7230E+01	6.1673E-00	9.4011E-01	1.3370E+01	4.1931E-00	3.1887E-00	2.3094E-01	2.5149E+03
1.4000E+01	1.8370E+01	5.8601E-00	9.3429E-01	1.5157E+01	4.3457E-00	3.4879E-00	1.9126E-01	2.8383E+03
1.5000E+01	1.9520E+01	5.5757E-00	9.2814E-01	1.7059E+01	4.4821E-00	3.8060E-00	1.5859E-01	3.1598E+03
1.6000E+01	2.0690E+01	5.2990E-00	9.2133E-01	1.9093E+01	4.6052E-00	4.1460E-00	1.3157E-01	3.4803E+03
1.7000E+01	2.1870E+01	5.0415E-00	9.1412E-01	2.1242E+01	4.7152E-00	4.5050E-00	1.0945E-01	3.7961E+03
1.8000E+01	2.3050E+01	4.8108E-00	9.0683E-01	2.3486E+01	4.8130E-00	4.8797E-00	9.1501E-02	4.1036E+03
1.9000E+01	2.4250E+01	4.5846E-00	8.9879E-01	2.5860E+01	4.9014E-00	5.2761E-00	7.6654E-02	4.4074E+03
2.0000E+01	2.5460E+01	4.3722E-00	8.9032E-01	2.8346E+01	4.9809E-00	5.6908E-00	6.4470E-02	4.7044E+03
2.1000E+01	2.6680E+01	4.1725E-00	8.8141E-01	3.0939E+01	5.0525E-00	6.1236E-00	5.4448E-02	4.9944E+03
2.2000E+01	2.7910E+01	3.9844E-00	8.7206E-01	3.3639E+01	5.1170E-00	6.5739E-00	4.6180E-02	5.2770E+03
2.3000E+01	2.9150E+01	3.8071E-00	8.6227E-01	3.6441E+01	5.1753E-00	7.0413E-00	3.9336E-02	5.5522E+03
2.4000E+01	3.0400E+01	3.6399E-00	8.5206E-01	3.9342E+01	5.2281E-00	7.5252E-00	3.3654E-02	5.8200E+03
2.5000E+01	3.1670E+01	3.4766E-00	8.4106E-01	4.2364E+01	5.2763E-00	8.0291E-00	2.8884E-02	6.0822E+03
2.6000E+01	3.2950E+01	3.3230E-00	8.2965E-01	4.5478E+01	5.3201E-00	8.5483E-00	2.4900E-02	6.3369E+03
2.7000E+01	3.4240E+01	3.1783E-00	8.1787E-01	4.8680E+01	5.3599E-00	9.0822E-00	2.1561E-02	6.5840E+03
2.8000E+01	3.5540E+01	3.0419E-00	8.0573E-01	5.1964E+01	5.3961E-00	9.6299E-00	1.8751E-02	6.8236E+03
2.9000E+01	3.6860E+01	2.9096E-00	7.9289E-01	5.5352E+01	5.4295E-00	1.0194E+01	1.6361E-02	7.0576E+03
3.0000E+01	3.8200E+01	2.7816E-00	7.7939E-01	5.8839E+01	5.4602E-00	1.0775E+01	1.4324E-02	7.2858E+03
3.1000E+01	3.9560E+01	2.6583E-00	7.6527E-01	6.2417E+01	5.4884E-00	1.1372E+01	1.2583E-02	7.5081E+03
3.2000E+01	4.0940E+01	2.5400E-00	7.5059E-01	6.6082E+01	5.5144E-00	1.1983E+01	1.1092E-02	7.7245E+03
3.3000E+01	4.2340E+01	2.4267E-00	7.3540E-01	6.9826E+01	5.5384E-00	1.2607E+01	9.8130E-03	7.9348E+03
3.4000E+01	4.3780E+01	2.3137E-00	7.1907E-01	7.3695E+01	5.5608E-00	1.3252E+01	8.6975E-03	8.1419E+03
3.5000E+01	4.5240E+01	2.2066E-00	7.0240E-01	7.7625E+01	5.5814E-00	1.3907E+01	7.7376E-03	8.3426E+03
3.6000E+01	4.6750E+01	2.0993E-00	6.8446E-01	8.1689E+01	5.6008E-00	1.4585E+01	6.8942E-03	8.5406E+03
3.7000E+01	4.8290E+01	1.9968E-00	6.6608E-01	8.5819E+01	5.6188E-00	1.5273E+01	6.1630E-03	8.7330E+03
3.8000E+01	4.9900E+01	1.8928E-00	6.4610E-01	9.0110E+01	5.6358E-00	1.5988E+01	5.5134E-03	8.9241E+03
3.9000E+01	5.1570E+01	1.7908E-00	6.2512E-01	9.4517E+01	5.6518E-00	1.6723E+01	4.9417E-03	9.1120E+03
4.0000E+01	5.3340E+01	1.6868E-00	6.0224E-01	9.9122E+01	5.6670E-00	1.7490E+01	4.4291E-03	9.2999E+03
4.1000E+01	5.5220E+01	1.5823E-00	5.7765E-01	1.0392E+02	5.6815E-00	1.8290E+01	3.9709E-03	9.4873E+03
4.2000E+01	5.7290E+01	1.4721E-00	5.4988E-01	1.0906E+02	5.6958E-00	1.9148E+01	3.5497E-03	9.6797E+03
4.3000E+01	5.9660E+01	1.3523E-00	5.1750E-01	1.1475E+02	5.7101E-00	2.0096E+01	3.1537E-03	9.8827E+03
4.4000E+01	6.2680E+01	1.2088E-00	4.7555E-01	1.2162E+02	5.7257E-00	2.1241E+01	2.7533E-03	1.0115E+04
4.4709E+01	6.7534E+01	9.9630E-01	4.0699E-01	1.3159E+02	5.7456E-00	2.2903E+01	2.2887E-03	1.0432E+04

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 11.6$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S}{\text{sec}^2 \cdot ^\circ R}$
.0000E-99	4.9450E-00	1.1600E+01	9.8192E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	5.5900E-00	1.1112E+01	9.8034E-01	1.3229E-00	1.2204E-00	1.0839E-00	9.9777E-01	3.8290E-00
2.0000E-00	6.3000E-00	1.0670E+01	9.7874E-01	1.7237E-00	1.4684E-00	1.1737E-00	9.8377E-01	2.8063E+01
3.0000E-00	7.0800E-00	1.0224E+01	9.7691E-01	2.2182E-00	1.7411E-00	1.2739E-00	9.5045E-01	8.7195E+01
4.0000E-00	7.9200E-00	9.7847E-00	9.7486E-01	2.8139E-00	2.0290E-00	1.3868E-00	8.9580E-01	1.8881E+02
5.0000E-00	8.8200E-00	9.3262E-00	9.7244E-01	3.5241E-00	2.3251E-00	1.5156E-00	8.2211E-01	3.3612E+02
6.0000E-00	9.7600E-00	8.8933E-00	9.6981E-01	4.3447E-00	2.6166E-00	1.6604E-00	7.3653E-01	5.2475E+02
7.0000E-00	1.0740E+01	8.4668E-00	9.6685E-01	5.2850E-00	2.8985E-00	1.8233E-00	6.4567E-01	7.5069E+02
8.0000E-00	1.1760E+01	8.0362E-00	9.6340E-01	6.3545E-00	3.1670E-00	2.0064E-00	5.5536E-01	1.0092E+03
9.0000E-00	1.2810E+01	7.6197E-00	9.5953E-01	7.5506E-00	3.4171E-00	2.2096E-00	4.7080E-01	1.2926E+03
1.0000E+01	1.3880E+01	7.2322E-00	9.5537E-01	8.8674E-00	3.6458E-00	2.4321E-00	3.9519E-01	1.5931E+03
1.1000E+01	1.4970E+01	6.8662E-00	9.5084E-01	1.0308E+01	3.8538E-00	2.6748E-00	3.2935E-01	1.9058E+03
1.2000E+01	1.6080E+01	6.5170E-00	9.4587E-01	1.1876E+01	4.0421E-00	2.9382E-00	2.7314E-01	2.2269E+03
1.3000E+01	1.7210E+01	6.1820E-00	9.4037E-01	1.3576E+01	4.2121E-00	3.2231E-00	2.2584E-01	2.5532E+03
1.4000E+01	1.8350E+01	5.8742E-00	9.3458E-01	1.5392E+01	4.3639E-00	3.5272E-00	1.8676E-01	2.8793E+03
1.5000E+01	1.9500E+01	5.5892E-00	9.2845E-01	1.7325E+01	4.4995E-00	3.8506E-00	1.5464E-01	3.2030E+03
1.6000E+01	2.0670E+01	5.3118E-00	9.2166E-01	1.9393E+01	4.6217E-00	4.1962E-00	1.2813E-01	3.5258E+03
1.7000E+01	2.1840E+01	5.0644E-00	9.1480E-01	2.1559E+01	4.7300E-00	4.5580E-00	1.0663E-01	3.8409E+03
1.8000E+01	2.3030E+01	4.8222E-00	9.0721E-01	2.3859E+01	4.8278E-00	4.9421E-00	8.8914E-02	4.1528E+03
1.9000E+01	2.4230E+01	4.5752E-00	8.9919E-01	2.6274E+01	4.9155E-00	5.3451E-00	7.4416E-02	4.4582E+03
2.0000E+01	2.5440E+01	4.3821E-00	8.9074E-01	2.8801E+01	4.9943E-00	5.7669E-00	6.2534E-02	4.7568E+03
2.1000E+01	2.6660E+01	4.1818E-00	8.8184E-01	3.1439E+01	5.0651E-00	6.2069E-00	5.2771E-02	5.0481E+03
2.2000E+01	2.7890E+01	3.9931E-00	8.7251E-01	3.4184E+01	5.1290E-00	6.6648E-00	4.4725E-02	5.3319E+03
2.3000E+01	2.9130E+01	3.8152E-00	8.6274E-01	3.7034E+01	5.1866E-00	7.1402E-00	3.8072E-02	5.6083E+03
2.4000E+01	3.0390E+01	3.6415E-00	8.5216E-01	4.0009E+01	5.2392E-00	7.6363E-00	3.2512E-02	5.8792E+03
2.5000E+01	3.1650E+01	3.4835E-00	8.4155E-01	4.3058E+01	5.2865E-00	8.1448E-00	2.7923E-02	6.1403E+03
2.6000E+01	3.2930E+01	3.3294E-00	8.3015E-01	4.6225E+01	5.3298E-00	8.6729E-00	2.4059E-02	6.3958E+03
2.7000E+01	3.4220E+01	3.1842E-00	8.1837E-01	4.9482E+01	5.3691E-00	9.2160E-00	2.0823E-02	6.6438E+03
2.8000E+01	3.5520E+01	3.0474E-00	8.0624E-01	5.2823E+01	5.4050E-00	9.7731E-00	1.8101E-02	6.8841E+03
2.9000E+01	3.6850E+01	2.9108E-00	7.9303E-01	5.6296E+01	5.4381E-00	1.0352E+01	1.5771E-02	7.1205E+03
3.0000E+01	3.8180E+01	2.7862E-00	7.7990E-01	5.9816E+01	5.4682E-00	1.0938E+01	1.3816E-02	7.3476E+03
3.1000E+01	3.9540E+01	2.6626E-00	7.6578E-01	6.3457E+01	5.4960E-00	1.1545E+01	1.2133E-02	7.5706E+03
3.2000E+01	4.0920E+01	2.5439E-00	7.5109E-01	6.7185E+01	5.5217E-00	1.2167E+01	1.0692E-02	7.7875E+03
3.3000E+01	4.2330E+01	2.4277E-00	7.3554E-01	7.1021E+01	5.5455E-00	1.2806E+01	9.4479E-03	7.9999E+03
3.4000E+01	4.3760E+01	2.3170E-00	7.1956E-01	7.4930E+01	5.5675E-00	1.3458E+01	8.3786E-03	8.2060E+03
3.5000E+01	4.5220E+01	2.2095E-00	7.0288E-01	7.8929E+01	5.5878E-00	1.4125E+01	7.4519E-03	8.4071E+03
3.6000E+01	4.6730E+01	2.1020E-00	6.8492E-01	8.3064E+01	5.6070E-00	1.4814E+01	6.6379E-03	8.6056E+03
3.7000E+01	4.8280E+01	1.9974E-00	6.6620E-01	8.7294E+01	5.6248E-00	1.5519E+01	5.9282E-03	8.7997E+03
3.8000E+01	4.9890E+01	1.8950E-00	6.4653E-01	9.1633E+01	5.6415E-00	1.6242E+01	5.3058E-03	8.9900E+03
3.9000E+01	5.1550E+01	1.7928E-00	6.2553E-01	9.6117E+01	5.6572E-00	1.6990E+01	4.7546E-03	9.1782E+03
4.0000E+01	5.3310E+01	1.6898E-00	6.0291E-01	1.0077E+02	5.6722E-00	1.7766E+01	4.2630E-03	9.3655E+03
4.1000E+01	5.5200E+01	1.5838E-00	5.7800E-01	1.0568E+02	5.6866E-00	1.8585E+01	3.8188E-03	9.5543E+03
4.2000E+01	5.7260E+01	1.4743E-00	5.5045E-01	1.1090E+02	5.7006E-00	1.9454E+01	3.4148E-03	9.7462E+03
4.3000E+01	5.9620E+01	1.3549E-00	5.1823E-01	1.1666E+02	5.7146E-00	2.0415E+01	3.0345E-03	9.9488E+03
4.4000E+01	6.2630E+01	1.2114E-00	4.7636E-01	1.2364E+02	5.7300E-00	2.1577E+01	2.6494E-03	1.0181E+04
4.4723E+01	6.7538E+01	9.9634E-01	4.0700E-01	1.3390E+02	5.7498E-00	2.3288E+01	2.1969E-03	1.0503E+04

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 11.7$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2 \cdot sec^2 \cdot ^\circ R}$
.0000E-99	4.9030E-00	1.1700E+01	9.8222E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	5.5400E-00	1.1238E+01	9.8077E-01	1.3218E-00	1.2197E-00	1.0836E-00	9.9779E-01	3.7946E-00
2.0000E-00	6.2600E-00	1.0750E+01	9.7904E-01	1.7321E-00	1.4734E-00	1.1755E-00	9.8334E-01	2.8826E+01
3.0000E-00	7.0400E-00	1.0302E+01	9.7724E-01	2.2323E-00	1.7484E-00	1.2767E-00	9.4930E-01	8.9269E+01
4.0000E-00	7.8800E-00	9.8601E-00	9.7523E-01	2.8351E-00	2.0385E-00	1.3907E-00	8.9368E-01	1.9288E+02
5.0000E-00	8.7800E-00	9.3995E-00	9.7285E-01	3.5543E-00	2.3367E-00	1.5210E-00	8.1891E-01	3.4280E+02
6.0000E-00	9.7300E-00	8.9349E-00	9.7008E-01	4.3949E-00	2.6329E-00	1.6691E-00	7.3144E-01	5.3665E+02
7.0000E-00	1.0710E+01	8.5081E-00	9.6715E-01	5.3488E-00	2.9159E-00	1.8343E-00	6.3987E-01	7.6615E+02
8.0000E-00	1.1730E+01	8.0764E-00	9.6374E-01	6.4341E-00	3.1851E-00	2.0200E-00	5.4921E-01	1.0283E+03
9.0000E-00	1.2780E+01	7.6583E-00	9.5992E-01	7.6482E-00	3.4355E-00	2.2261E-00	4.6461E-01	1.3153E+03
1.0000E+01	1.3850E+01	7.2692E-00	9.5580E-01	8.9849E-00	3.6643E-00	2.4520E-00	3.8921E-01	1.6192E+03
1.1000E+01	1.4940E+01	6.9014E-00	9.5131E-01	1.0448E+01	3.8720E-00	2.6983E-00	3.2375E-01	1.9352E+03
1.2000E+01	1.6050E+01	6.5502E-00	9.4637E-01	1.2041E+01	4.0599E-00	2.9657E-00	2.6802E-01	2.2594E+03
1.3000E+01	1.7180E+01	6.2131E-00	9.4091E-01	1.3767E+01	4.2293E-00	3.2550E-00	2.2124E-01	2.5885E+03
1.4000E+01	1.8320E+01	5.9033E-00	9.3516E-01	1.5612E+01	4.3805E-00	3.5639E-00	1.8268E-01	2.9172E+03
1.5000E+01	1.9480E+01	5.6031E-00	9.2877E-01	1.7593E+01	4.5165E-00	3.8953E-00	1.5081E-01	3.2462E+03
1.6000E+01	2.0650E+01	5.3249E-00	9.2200E-01	1.9695E+01	4.6378E-00	4.2466E-00	1.2479E-01	3.5711E+03
1.7000E+01	2.1820E+01	5.0768E-00	9.1516E-01	2.1897E+01	4.7454E-00	4.6144E-00	1.0374E-01	3.8881E+03
1.8000E+01	2.3010E+01	4.8338E-00	9.0759E-01	2.4235E+01	4.8424E-00	5.0048E-00	8.6413E-02	4.2018E+03
1.9000E+01	2.4210E+01	4.6061E-00	8.9960E-01	2.6690E+01	4.9293E-00	5.4146E-00	7.2255E-02	4.5088E+03
2.0000E+01	2.5420E+01	4.3923E-00	8.9116E-01	2.9260E+01	5.0073E-00	5.8433E-00	6.0666E-02	4.8088E+03
2.1000E+01	2.6640E+01	4.1912E-00	8.8229E-01	3.1941E+01	5.0775E-00	6.2907E-00	5.1155E-02	5.1014E+03
2.2000E+01	2.7870E+01	4.0019E-00	8.7297E-01	3.4733E+01	5.1407E-00	6.7564E-00	4.3324E-02	5.3865E+03
2.3000E+01	2.9120E+01	3.8170E-00	8.6284E-01	3.7654E+01	5.1982E-00	7.2437E-00	3.6809E-02	5.6662E+03
2.4000E+01	3.0370E+01	3.6491E-00	8.5265E-01	4.0656E+01	5.2498E-00	7.7442E-00	3.1455E-02	5.9359E+03
2.5000E+01	3.1630E+01	3.4906E-00	8.4204E-01	4.3756E+01	5.2965E-00	8.2613E-00	2.7000E-02	6.1980E+03
2.6000E+01	3.2910E+01	3.3359E-00	8.3065E-01	4.6978E+01	5.3393E-00	8.7984E-00	2.3252E-02	6.4544E+03
2.7000E+01	3.4200E+01	3.1902E-00	8.1888E-01	5.0290E+01	5.3782E-00	9.3507E-00	2.0115E-02	6.7031E+03
2.8000E+01	3.5510E+01	3.0489E-00	8.0637E-01	5.3714E+01	5.4138E-00	9.9217E-00	1.7460E-02	6.9460E+03
2.9000E+01	3.6830E+01	2.9160E-00	7.9354E-01	5.7220E+01	5.4463E-00	1.0506E+01	1.5223E-02	7.1813E+03
3.0000E+01	3.8170E+01	2.7875E-00	7.8004E-01	6.0828E+01	5.4762E-00	1.1107E+01	1.3317E-02	7.4107E+03
3.1000E+01	3.9530E+01	2.6638E-00	7.6592E-01	6.4531E+01	5.5037E-00	1.1724E+01	1.1691E-02	7.6342E+03
3.2000E+01	4.0910E+01	2.5450E-00	7.5123E-01	6.8324E+01	5.5290E-00	1.2357E+01	1.0300E-02	7.8516E+03
3.3000E+01	4.2310E+01	2.4313E-00	7.3604E-01	7.2199E+01	5.5524E-00	1.3003E+01	9.1067E-03	8.0630E+03
3.4000E+01	4.3740E+01	2.3203E-00	7.2005E-01	7.6175E+01	5.5740E-00	1.3665E+01	8.0737E-03	8.2696E+03
3.5000E+01	4.5210E+01	2.2104E-00	7.0301E-01	8.0271E+01	5.5943E-00	1.4348E+01	7.1731E-03	8.4725E+03
3.6000E+01	4.6710E+01	2.1047E-00	6.8539E-01	8.4449E+01	5.6130E-00	1.5045E+01	6.3929E-03	8.6701E+03
3.7000E+01	4.8260E+01	1.9999E-00	6.6665E-01	8.8753E+01	5.6306E-00	1.5762E+01	5.7080E-03	8.8646E+03
3.8000E+01	4.9860E+01	1.8972E-00	6.4697E-01	9.3167E+01	5.6470E-00	1.6498E+01	5.1075E-03	9.0553E+03
3.9000E+01	5.1530E+01	1.7947E-00	6.2594E-01	9.7730E+01	5.6625E-00	1.7258E+01	4.5759E-03	9.2439E+03
4.0000E+01	5.3290E+01	1.6915E-00	6.0330E-01	1.0247E+02	5.6773E-00	1.8049E+01	4.1019E-03	9.4316E+03
4.1000E+01	5.5170E+01	1.5864E-00	5.7863E-01	1.0744E+02	5.6914E-00	1.8877E+01	3.6758E-03	9.6198E+03
4.2000E+01	5.7240E+01	1.4755E-00	5.5077E-01	1.1277E+02	5.7053E-00	1.9766E+01	3.2843E-03	9.8130E+03
4.3000E+01	5.9590E+01	1.3567E-00	5.1874E-01	1.1861E+02	5.7191E-00	2.0740E+01	2.9193E-03	1.0015E+04
4.4000E+01	6.2580E+01	1.2141E-00	4.7718E-01	1.2567E+02	5.7341E-00	2.1915E+01	2.5501E-03	1.0247E+04
4.4737E+01	6.7542E+01	9.9639E-01	4.0701E-01	1.3623E+02	5.7539E-00	2.3676E+01	2.1094E-03	1.0572E+04

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 11.8$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{\text{sec}^2 \cdot ^\circ R}$
.0000E-99	4.8610E-00	1.1800E+01	9.8252E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	5.5000E-00	1.1324E+01	9.8105E-01	1.3256E-00	1.2222E-00	1.0845E-00	9.9772E-01	3.9143E-00
2.0000E-00	6.2200E-00	1.0832E+01	9.7935E-01	1.7402E-00	1.4782E-00	1.1772E-00	9.8291E-01	2.9562E+01
3.0000E-00	7.0000E-00	1.0381E+01	9.7758E-01	2.2460E-00	1.7555E-00	1.2793E-00	9.4818E-01	9.1298E+01
4.0000E-00	7.8500E-00	9.9032E-00	9.7544E-01	2.8636E-00	2.0512E-00	1.3960E-00	8.9082E-01	1.9837E+02
5.0000E-00	8.7500E-00	9.4429E-00	9.7308E-01	3.5926E-00	2.3513E-00	1.5278E-00	8.1487E-01	3.5129E+02
6.0000E-00	9.6900E-00	9.0077E-00	9.7054E-01	4.4355E-00	2.6460E-00	1.6762E-00	7.2734E-01	5.4629E+02
7.0000E-00	1.0680E+01	8.5506E-00	9.6746E-01	5.4125E-00	2.9332E-00	1.8452E-00	6.3415E-01	7.8158E+02
8.0000E-00	1.1700E+01	8.1178E-00	9.6409E-01	6.5135E-00	3.2030E-00	2.0335E-00	5.4314E-01	1.0474E+03
9.0000E-00	1.2750E+01	7.6981E-00	9.6030E-01	7.7457E-00	3.4537E-00	2.2426E-00	4.5852E-01	1.3380E+03
1.0000E+01	1.3820E+01	7.3072E-00	9.5623E-01	9.1025E-00	3.6825E-00	2.4718E-00	3.8335E-01	1.6453E+03
1.1000E+01	1.4920E+01	6.9181E-00	9.5153E-01	1.0602E+01	3.8918E-00	2.7241E-00	3.1773E-01	1.9674E+03
1.2000E+01	1.6030E+01	6.5665E-00	9.4662E-01	1.2220E+01	4.0790E-00	2.9958E-00	2.6257E-01	2.2946E+03
1.3000E+01	1.7160E+01	6.2288E-00	9.4119E-01	1.3974E+01	4.2477E-00	3.2898E-00	2.1638E-01	2.6266E+03
1.4000E+01	1.8300E+01	5.9183E-00	9.3545E-01	1.5849E+01	4.3981E-00	3.6036E-00	1.7840E-01	2.9578E+03
1.5000E+01	1.9460E+01	5.6174E-00	9.2909E-01	1.7863E+01	4.5332E-00	3.9404E-00	1.4708E-01	3.2891E+03
1.6000E+01	2.0620E+01	5.3505E-00	9.2266E-01	1.9980E+01	4.6528E-00	4.2942E-00	1.2175E-01	3.6134E+03
1.7000E+01	2.1800E+01	5.0896E-00	9.1553E-01	2.2237E+01	4.7604E-00	4.6711E-00	1.0094E-01	3.9350E+03
1.8000E+01	2.2990E+01	4.8457E-00	9.0799E-01	2.4613E+01	4.8567E-00	5.0679E-00	8.3995E-02	4.2505E+03
1.9000E+01	2.4190E+01	4.6173E-00	9.0001E-01	2.7109E+01	4.9428E-00	5.4844E-00	7.0168E-02	4.5591E+03
2.0000E+01	2.5400E+01	4.4027E-00	8.9159E-01	2.9721E+01	5.0201E-00	5.9203E-00	5.8864E-02	4.8605E+03
2.1000E+01	2.6630E+01	4.1933E-00	8.8238E-01	3.2470E+01	5.0902E-00	6.3789E-00	4.9529E-02	5.1569E+03
2.2000E+01	2.7860E+01	4.0039E-00	8.7307E-01	3.5308E+01	5.1527E-00	6.8524E-00	4.1920E-02	5.4431E+03
2.3000E+01	2.9100E+01	3.8253E-00	8.6332E-01	3.8255E+01	5.2091E-00	7.3439E-00	3.5640E-02	5.7216E+03
2.4000E+01	3.0350E+01	3.6568E-00	8.5314E-01	4.1307E+01	5.2601E-00	7.8529E-00	3.0438E-02	5.9923E+03
2.5000E+01	3.1620E+01	3.4924E-00	8.4217E-01	4.4485E+01	5.3067E-00	8.3828E-00	2.6082E-02	6.2573E+03
2.6000E+01	3.2900E+01	3.3376E-00	8.3078E-01	4.7761E+01	5.3489E-00	8.9290E-00	2.2452E-02	6.5145E+03
2.7000E+01	3.4190E+01	3.1919E-00	8.1902E-01	5.1130E+01	5.3873E-00	9.4907E-00	1.9414E-02	6.7640E+03
2.8000E+01	3.5490E+01	3.0545E-00	8.0690E-01	5.4586E+01	5.4223E-00	1.0066E+01	1.6863E-02	7.0057E+03
2.9000E+01	3.6810E+01	2.9212E-00	7.9406E-01	5.8151E+01	5.4544E-00	1.0661E+01	1.4696E-02	7.2417E+03
3.0000E+01	3.8150E+01	2.7923E-00	7.8056E-01	6.1820E+01	5.4839E-00	1.1272E+01	1.2852E-02	7.4717E+03
3.1000E+01	3.9510E+01	2.6682E-00	7.6644E-01	6.5586E+01	5.5110E-00	1.1900E+01	1.1279E-02	7.6958E+03
3.2000E+01	4.0890E+01	2.5490E-00	7.5175E-01	6.9444E+01	5.5360E-00	1.2543E+01	9.9339E-03	7.9138E+03
3.3000E+01	4.2290E+01	2.4350E-00	7.3655E-01	7.3384E+01	5.5591E-00	1.3200E+01	8.7802E-03	8.1256E+03
3.4000E+01	4.3730E+01	2.3212E-00	7.2020E-01	7.7457E+01	5.5806E-00	1.3879E+01	7.7756E-03	8.3342E+03
3.5000E+01	4.5190E+01	2.2134E-00	7.0350E-01	8.1595E+01	5.6004E-00	1.4569E+01	6.9121E-03	8.5362E+03
3.6000E+01	4.6690E+01	2.1074E-00	6.8587E-01	8.5845E+01	5.6189E-00	1.5277E+01	6.1587E-03	8.7342E+03
3.7000E+01	4.8240E+01	2.0024E-00	6.6711E-01	9.0223E+01	5.6362E-00	1.6007E+01	5.4975E-03	8.9291E+03
3.8000E+01	4.9840E+01	1.8994E-00	6.4741E-01	9.4714E+01	5.6524E-00	1.6756E+01	4.9181E-03	9.1202E+03
3.9000E+01	5.1510E+01	1.7967E-00	6.2636E-01	9.9355E+01	5.6677E-00	1.7529E+01	4.4052E-03	9.3092E+03
4.0000E+01	5.3270E+01	1.6932E-00	6.0369E-01	1.0418E+02	5.6823E-00	1.8334E+01	3.9480E-03	9.4972E+03
4.1000E+01	5.5150E+01	1.5879E-00	5.7899E-01	1.0923E+02	5.6962E-00	1.9176E+01	3.5371E-03	9.6858E+03
4.2000E+01	5.7210E+01	1.4777E-00	5.5135E-01	1.1463E+02	5.7098E-00	2.0076E+01	3.1614E-03	9.8785E+03
4.3000E+01	5.9560E+01	1.3586E-00	5.1926E-01	1.2058E+02	5.7235E-00	2.1068E+01	2.8093E-03	1.0081E+04
4.4000E+01	6.2530E+01	1.2168E-00	4.7800E-01	1.2771E+02	5.7382E-00	2.2256E+01	2.4554E-03	1.0312E+04
4.4751E+01	6.7547E+01	9.9640E-01	4.0702E-01	1.3858E+02	5.7579E-00	2.4068E+01	2.0260E-03	1.0642E+04

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Continued

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 11.9$$

δ , deg	ϵ , deg	M_2	w_2	$\frac{p_2}{p_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{p_{t,2}}{p_{t,1}}$	$\frac{\Delta S}{R \ln 2}$ $\frac{ft^2}{sec^2 \cdot ^\circ R}$
.0000E-99	4.8200E-00	1.1900E+01	9.8280E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	5.4600E-00	1.1413E+01	9.8134E-01	1.3291E-00	1.2245E-00	1.0854E-00	9.9765E-01	4.0241E-00
2.0000E-00	6.1800E-00	1.0917E+01	9.7966E-01	1.7479E-00	1.4826E-00	1.1789E-00	9.8251E-01	3.0270E+01
3.0000E-00	6.9600E-00	1.0464E+01	9.7792E-01	2.2592E-00	1.7623E-00	1.2819E-00	9.4709E-01	9.3280E+01
4.0000E-00	7.8100E-00	9.9830E-00	9.7582E-01	2.8840E-00	2.0603E-00	1.3997E-00	8.8876E-01	2.0234E+02
5.0000E-00	8.7100E-00	9.5203E-00	9.7350E-01	3.6219E-00	2.3624E-00	1.5331E-00	8.1177E-01	3.5785E+02
6.0000E-00	9.6600E-00	9.0525E-00	9.7082E-01	4.4852E-00	2.6619E-00	1.6849E-00	7.2235E-01	5.5811E+02
7.0000E-00	1.0650E+01	8.5945E-00	9.6778E-01	5.4760E-00	2.9501E-00	1.8561E-00	6.2848E-01	7.9697E+02
8.0000E-00	1.1670E+01	8.1604E-00	9.6444E-01	6.5929E-00	3.2206E-00	2.0470E-00	5.3716E-01	1.0663E+03
9.0000E-00	1.2720E+01	7.7390E-00	9.6070E-01	7.8431E-00	3.4716E-00	2.2591E-00	4.5254E-01	1.3605E+03
1.0000E+01	1.3800E+01	7.3249E-00	9.5642E-01	9.2336E-00	3.7024E-00	2.4939E-00	3.7695E-01	1.6742E+03
1.1000E+01	1.4890E+01	6.9549E-00	9.5200E-01	1.0742E+01	3.9094E-00	2.7477E-00	3.1237E-01	1.9966E+03
1.2000E+01	1.6010E+01	6.5834E-00	9.4687E-01	1.2400E+01	4.0979E-00	3.0261E-00	2.5724E-01	2.3298E+03
1.3000E+01	1.7140E+01	6.2450E-00	9.4147E-01	1.4182E+01	4.2658E-00	3.3246E-00	2.1165E-01	2.6645E+03
1.4000E+01	1.8280E+01	5.9338E-00	9.3576E-01	1.6087E+01	4.4153E-00	3.6434E-00	1.7425E-01	2.9982E+03
1.5000E+01	1.9440E+01	5.6320E-00	9.2942E-01	1.8133E+01	4.5497E-00	3.9856E-00	1.4346E-01	3.3319E+03
1.6000E+01	2.0600E+01	5.3644E-00	9.2302E-01	2.0285E+01	4.6684E-00	4.3451E-00	1.1861E-01	3.6582E+03
1.7000E+01	2.1780E+01	5.1026E-00	9.1591E-01	2.2578E+01	4.7753E-00	4.7282E-00	9.8234E-02	3.9818E+03
1.8000E+01	2.2970E+01	4.8579E-00	9.0839E-01	2.4994E+01	4.8707E-00	5.1314E-00	8.1656E-02	4.2989E+03
1.9000E+01	2.4180E+01	4.6194E-00	9.0009E-01	2.7551E+01	4.9568E-00	5.5583E-00	6.8051E-02	4.6117E+03
2.0000E+01	2.5390E+01	4.4049E-00	8.9169E-01	3.0207E+01	5.0333E-00	6.0014E-00	5.7044E-02	4.9144E+03
2.1000E+01	2.6610E-00	6.8666E-00	9.5085E-01	1.8943E-01	3.4519E-01	5.4875E-01	1.5474E-00	7.4919E+02
2.2000E+01	2.7840E+01	4.0130E-00	8.7354E-01	3.5864E+01	5.1639E-00	6.9452E-00	4.0623E-02	5.4970E+03
2.3000E+01	2.9080E+01	3.8338E-00	8.6381E-01	3.8860E+01	5.2198E-00	7.4448E-00	3.4515E-02	5.7766E+03
2.4000E+01	3.0340E+01	3.6588E-00	8.5327E-01	4.1988E+01	5.2706E-00	7.9664E-00	2.9424E-02	6.0504E+03
2.5000E+01	3.1600E+01	3.4997E-00	8.4268E-01	4.5194E+01	5.3163E-00	8.5010E-00	2.5231E-02	6.3143E+03
2.6000E+01	3.2880E+01	3.3443E-00	8.3130E-01	4.8524E+01	5.3580E-00	9.0563E-00	2.1708E-02	6.5723E+03
2.7000E+01	3.4170E+01	3.1981E-00	8.1954E-01	5.1949E+01	5.3960E-00	9.6273E-00	1.8763E-02	6.8225E+03
2.8000E+01	3.5480E+01	3.0561E-00	8.0704E-01	5.5491E+01	5.4308E-00	1.0217E+01	1.6273E-02	7.0668E+03
2.9000E+01	3.6800E+01	2.9227E-00	7.9421E-01	5.9116E+01	5.4625E-00	1.0822E+01	1.4177E-02	7.3034E+03
3.0000E+01	3.8140E+01	2.7937E-00	7.8072E-01	6.2847E+01	5.4916E-00	1.1444E+01	1.2394E-02	7.5340E+03
3.1000E+01	3.9490E+01	2.6726E-00	7.6697E-01	6.6649E+01	5.5182E-00	1.2077E+01	1.0884E-02	7.7570E+03
3.2000E+01	4.0870E+01	2.5531E-00	7.5227E-01	7.0571E+01	5.5429E-00	1.2731E+01	9.5831E-03	7.9755E+03
3.3000E+01	4.2280E+01	2.4361E-00	7.3670E-01	7.4608E+01	5.5658E-00	1.3404E+01	8.4602E-03	8.1893E+03
3.4000E+01	4.3710E+01	2.3246E-00	7.2070E-01	7.8720E+01	5.5868E-00	1.4090E+01	7.4966E-03	8.3968E+03
3.5000E+01	4.5170E+01	2.2165E-00	7.0400E-01	8.2929E+01	5.6064E-00	1.4791E+01	6.6624E-03	8.5993E+03
3.6000E+01	4.6680E+01	2.1082E-00	6.8601E-01	8.7280E+01	5.6247E-00	1.5517E+01	5.9302E-03	8.7991E+03
3.7000E+01	4.8220E+01	2.0049E-00	6.6757E-01	9.1704E+01	5.6417E-00	1.6254E+01	5.2963E-03	8.9930E+03
3.8000E+01	4.9820E+01	1.9017E-00	6.4785E-01	9.6272E+01	5.6577E-00	1.7015E+01	4.7370E-03	9.1846E+03
3.9000E+01	5.1490E+01	1.7987E-00	6.2679E-01	1.0099E+02	5.6728E-00	1.7802E+01	4.2420E-03	9.3739E+03
4.0000E+01	5.3250E+01	1.6950E-00	6.0409E-01	1.0590E+02	5.6872E-00	1.8620E+01	3.8010E-03	9.5623E+03
4.1000E+01	5.5130E+01	1.5894E-00	5.7936E-01	1.1104E+02	5.7009E-00	1.9478E+01	3.4047E-03	9.7513E+03
4.2000E+01	5.7180E+01	1.4800E-00	5.5194E-01	1.1651E+02	5.7143E-00	2.0389E+01	3.0440E-03	9.9434E+03
4.3000E+01	5.9530E+01	1.3605E-00	5.1978E-01	1.2256E+02	5.7277E-00	2.1398E+01	2.7042E-03	1.0146E+04
4.4000E+01	6.2490E+01	1.2189E-00	4.7864E-01	1.2979E+02	5.7422E-00	2.2603E+01	2.3639E-03	1.0377E+04
4.4765E+01	6.7551E+01	9.9647E-01	4.0704E-01	1.4095E+02	5.7618E-00	2.4463E+01	1.9465E-03	1.0710E+04

TABLE I.- OBLIQUE-SHOCK TABLES FOR ATTACHED FLOW $\gamma = 1.4$ - Concluded

[The symbol E together with the plus or minus sign and the two following digits represent the exponent of 10 by which the number must be multiplied in order to place the decimal correctly]

$$M_1 = 12.00$$

δ , deg	ϵ , deg	M_2	W_2	$\frac{P_2}{P_1}$	$\frac{\rho_2}{\rho_1}$	$\frac{T_2}{T_1}$	$\frac{P_{t,2}}{P_{t,1}}$	$\frac{\Delta S}{ft^2 \cdot \sec^2 \cdot ^\circ R}$
.0000E-99	4.7800E-00	1.2000E+01	9.8308E-01	1.0000E-00	1.0000E-00	1.0000E-00	1.0000E-00	.0000E-99
1.0000E-00	5.4200E-00	1.1505E+01	9.8163E-01	1.3322E-00	1.2265E-00	1.0861E-00	9.9759E-01	4.1240E-00
2.0000E-00	6.1400E-00	1.1004E+01	9.7997E-01	1.7552E-00	1.4869E-00	1.1804E-00	9.8212E-01	3.0948E+01
3.0000E-00	6.9200E-00	1.0549E+01	9.7826E-01	2.2720E-00	1.7688E-00	1.2844E-00	9.4602E-01	9.5212E+01
4.0000E-00	7.7700E-00	1.0065E+01	9.7620E-01	2.9040E-00	2.0692E-00	1.4034E-00	8.8674E-01	2.0625E+02
5.0000E-00	8.6800E-00	9.5670E-00	9.7375E-01	3.6596E-00	2.3766E-00	1.5398E-00	8.0779E-01	3.6627E+02
6.0000E-00	9.6300E-00	9.0987E-00	9.7110E-01	4.5347E-00	2.6776E-00	1.6935E-00	7.1740E-01	5.6990E+02
7.0000E-00	1.0620E+01	8.6397E-00	9.6810E-01	5.5393E-00	2.9669E-00	1.8670E-00	6.2289E-01	8.1232E+02
8.0000E-00	1.1640E+01	8.2042E-00	9.6480E-01	6.6722E-00	3.2380E-00	2.0605E-00	5.3127E-01	1.0853E+03
9.0000E-00	1.2690E+01	7.7811E-00	9.6110E-01	7.9406E-00	3.4893E-00	2.2756E-00	4.4665E-01	1.3830E+03
1.0000E+01	1.3770E+01	7.3647E-00	9.5686E-01	9.3515E-00	3.7200E-00	2.5137E-00	3.7130E-01	1.7000E+03
1.1000E+01	1.4870E+01	6.9730E-00	9.5223E-01	1.0897E+01	3.9286E-00	2.7738E-00	3.0658E-01	2.0287E+03
1.2000E+01	1.5980E+01	6.6187E-00	9.4739E-01	1.2566E+01	4.1148E-00	3.0538E-00	2.5248E-01	2.3619E+03
1.3000E+01	1.7110E+01	6.2780E-00	9.4203E-01	1.4375E+01	4.2822E-00	3.3569E-00	2.0740E-01	2.6994E+03
1.4000E+01	1.8260E+01	5.9497E-00	9.3607E-01	1.6326E+01	4.4323E-00	3.6835E-00	1.7020E-01	3.0385E+03
1.5000E+01	1.9420E+01	5.6471E-00	9.2976E-01	1.8405E+01	4.5659E-00	4.0311E-00	1.3994E-01	3.3744E+03
1.6000E+01	2.0580E+01	5.3786E-00	9.2338E-01	2.0591E+01	4.6838E-00	4.3964E-00	1.1557E-01	3.7028E+03
1.7000E+01	2.1760E+01	5.1159E-00	9.1629E-01	2.2922E+01	4.7898E-00	4.7855E-00	9.5607E-02	4.0283E+03
1.8000E+01	2.2960E+01	4.8602E-00	9.0846E-01	2.5397E+01	4.8852E-00	5.1988E-00	7.9272E-02	4.3498E+03
1.9000E+01	2.4160E+01	4.6310E-00	9.0052E-01	2.7975E+01	4.9698E-00	5.6291E-00	6.6106E-02	4.6614E+03
2.0000E+01	2.5370E+01	4.4157E-00	8.9213E-01	3.0674E+01	5.0456E-00	6.0794E-00	5.5368E-02	4.9656E+03
2.1000E+01	2.6590E+01	4.2131E-00	8.8330E-01	3.3491E+01	5.1137E-00	6.5494E-00	4.6584E-02	5.2621E+03
2.2000E+01	2.7820E+01	4.0223E-00	8.7402E-01	3.6424E+01	5.1750E-00	7.0385E-00	3.9373E-02	5.5506E+03
2.3000E+01	2.9070E+01	3.8360E-00	8.6393E-01	3.9494E+01	5.2306E-00	7.5505E-00	3.3389E-02	5.8335E+03
2.4000E+01	3.0320E+01	3.6668E-00	8.5377E-01	4.2648E+01	5.2805E-00	8.0765E-00	2.8485E-02	6.1061E+03
2.5000E+01	3.1590E+01	3.5016E-00	8.4281E-01	4.5933E+01	5.3260E-00	8.6243E-00	2.4383E-02	6.3729E+03
2.6000E+01	3.2860E+01	3.3512E-00	8.3182E-01	4.9293E+01	5.3670E-00	9.1844E-00	2.0994E-02	6.6297E+03
2.7000E+01	3.4160E+01	3.1998E-00	8.1969E-01	5.2802E+01	5.4047E-00	9.7695E-00	1.8117E-02	6.8826E+03
2.8000E+01	3.5460E+01	3.0619E-00	8.0757E-01	5.6374E+01	5.4388E-00	1.0365E+01	1.5724E-02	7.1257E+03
2.9000E+01	3.6780E+01	2.9280E-00	7.9475E-01	6.0060E+01	5.4701E-00	1.0979E+01	1.3694E-02	7.3629E+03
3.0000E+01	3.8120E+01	2.7986E-00	7.8125E-01	6.3853E+01	5.4989E-00	1.1611E+01	1.1967E-02	7.5942E+03
3.1000E+01	3.9480E+01	2.6740E-00	7.6713E-01	6.7748E+01	5.5254E-00	1.2261E+01	1.0496E-02	7.8193E+03
3.2000E+01	4.0860E+01	2.5543E-00	7.5243E-01	7.1736E+01	5.5497E-00	1.2926E+01	9.2386E-03	8.0383E+03
3.3000E+01	4.2260E+01	2.4398E-00	7.3722E-01	7.5811E+01	5.5721E-00	1.3605E+01	8.1611E-03	8.2511E+03
3.4000E+01	4.3690E+01	2.3280E-00	7.2121E-01	7.9993E+01	5.5929E-00	1.4302E+01	7.2296E-03	8.4591E+03
3.5000E+01	4.5160E+01	2.2174E-00	7.0415E-01	8.4302E+01	5.6124E-00	1.5020E+01	6.4183E-03	8.6633E+03
3.6000E+01	4.6660E+01	2.1111E-00	6.8649E-01	8.8698E+01	5.6304E-00	1.5753E+01	5.7161E-03	8.8622E+03
3.7000E+01	4.8200E+01	2.0074E-00	6.6804E-01	9.3197E+01	5.6471E-00	1.6503E+01	5.1039E-03	9.0566E+03
3.8000E+01	4.9810E+01	1.9023E-00	6.4799E-01	9.7871E+01	5.6630E-00	1.7282E+01	4.5608E-03	9.2496E+03
3.9000E+01	5.1470E+01	1.8007E-00	6.2721E-01	1.0264E+02	5.6778E-00	1.8077E+01	4.0861E-03	9.4382E+03
4.0000E+01	5.3230E+01	1.6968E-00	6.0449E-01	1.0763E+02	5.6919E-00	1.8909E+01	3.6605E-03	9.6269E+03
4.1000E+01	5.5110E+01	1.5910E-00	5.7974E-01	1.1286E+02	5.7055E-00	1.9781E+01	3.2781E-03	9.8163E+03
4.2000E+01	5.7160E+01	1.4813E-00	5.5228E-01	1.1842E+02	5.7187E-00	2.0708E+01	2.9303E-03	1.0008E+04
4.3000E+01	5.9490E+01	1.3632E-00	5.2054E-01	1.2453E+02	5.7318E-00	2.1726E+01	2.6051E-03	1.0210E+04
4.4000E+01	6.2450E+01	1.2211E-00	4.7928E-01	1.3189E+02	5.7461E-00	2.2953E+01	2.2765E-03	1.0442E+04
4.4779E+01	6.7555E+01	9.9654E-01	4.0707E-01	1.4334E+02	5.7656E-00	2.4861E+01	1.8707E-03	1.0778E+04

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