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Tables of Eigenvalues of the Wave Equation in Prolate Spheroidal Coordinates

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ABSTRACT

The wave equation in prolate spheroidal coordinates was separated into radial and angle functions. The differential equation satisfied by the angle functions was written in the form of an eigenvalue problem, that is, as a linear operator operating on eigenfunctions to yield the same eigenfunctions multiplied by corresponding eigenvalues. The eigenvalues were numerically calculated by use of Galerkin's method. This method reduces to the evaluation of the characteristic roots of a large matrix. An 80 by 80 matrix is chosen and a detailed calculation on a high-speed computer leads to a tabulation. The table of prolate eigenvalues published here has the range $m = 0, 1, 2$; $l = m\,(1)\,m + 49$; $h = 0.1\,(0.1)\,0.9,\ 1.0\,(0.2)\,8.0,\ 10.0,\ 20.0\,(20.0)\,100.0$. The precision is 21 significant figures.

PROBLEM STATUS

This is an interim report on one phase of the problem; work on other phases continues.

AUTHORIZATION

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TABLES OF EIGENVALUES OF THE WAVE EQUATION IN PROLATE SPHEROIDAL COORDINATES

INTRODUCTION

In the solution of Helmholtz's wave equation $(\nabla^2 + k^2)\psi = 0$ by separation of variables in spheroidal coordinates (ξ, η, φ) the following equations occur:

$$\frac{d}{d\xi}\left[(\xi^2 - 1)\frac{dR}{d\xi}\right] - \left[A - h^2\xi^2 + \frac{m^2}{\xi^2 - 1}\right]R = 0, \quad 1 < \xi < \infty, \tag{1}$$

$$\frac{d}{d\eta}\left[(1 - \eta^2)\frac{dS}{d\eta}\right] + \left[A - h^2\eta^2 - \frac{m^2}{1 - \eta^2}\right]S = 0, \quad -1 \le \eta \le 1, \tag{2}$$

$$\frac{d^2\Phi}{d\varphi^2} + m^2\Phi = 0, \quad 0 \le \varphi \le 2\pi. \tag{3}$$

Here A is a separation constant, $h = kd/2$, $k = \omega/c$, d is the interfocal distance of the spheroid, R is a radial function, S is an angle function, and Φ is a rotational function. Equations (1) and (2) have the form of the Liouville equation

$$[p(z)\psi']' + [q(z) + \lambda r(z)]\psi = 0, \tag{4}$$

with the identities

$$p(z) = 1 - \eta^2 \quad \text{or} \quad \xi^2 - 1$$

$$q(z) = -h^2\eta^2 - \frac{m^2}{1 - \eta^2} \quad \text{or} \quad -h^2\xi^2 + \frac{m^2}{\xi^2 - 1}$$

$$r(z) = 1$$

and

$$\lambda = A.$$

Since Eqs. (1) and (2) are identical, except for range of the variables η and ξ, we consider only Eq. (2). Here we seek the real eigenvalues $A = A_{mn}$ $(n = m, m+1, \ldots)$ for which the solutions of Eq. (2) over a range are nontrivial and nonsingular. The singularities of Eq. (4) are known to occur at $p(z) = 0$, i.e., at $\eta = \pm 1$. The range of interest is thus $-1 \le \eta \le +1$, or parametrically $\eta = \cos\theta$, $0 \le \theta \le \pi$. The boundary conditions are of the conventional type, $\alpha_1\psi + \alpha_2\psi' = 0$ at $\eta = 1$, and $\beta_1\psi + \beta_2\psi' = 0$ at $\eta = -1$. For these boundary conditions there will be a lowest eigenvalue A_{mm} which will be smaller in magnitude than any other A_{mn}, and all other eigenvalues can be ordered to form a monotonically increasing sequence $A_{m(n+1)} > A_{mn}$. To find the eigenvalue A_{mn} we use the method of Galerkin (1); i.e., we assume that the corresponding eigenfunction can be expanded in a finite orthogonal series $\{\phi_k(\eta)\}$ over the range $-1 \le \eta \le 1$ and write

$$\psi_s = \sum_{r=0}^{k} C_{sr}\phi_r, \quad s = m, m+1, \ldots, \tag{5}$$

in which ϕ_r is a solution of Eq. (4) and associated homogeneous boundary conditions in the range $-1 \le \eta \le +1$ with known eigenvalue λ_r. Substituting Eq. (5) into Eq. (2), multiplying by ϕ_q and integrating over the range according to Galerkin's procedure, one gets

$$\sum_{r=0}^{k} C_{sr} \left[\int_{-1}^{+1} (1-\eta^2)\phi_r''\phi_q \, d\eta + \int_{-1}^{+1} (-2\eta)\phi_r'\phi_q \, d\eta \right.$$

$$\left. + \int_{-1}^{+1} \left(-h^2\eta^2 - \frac{m^2}{1-\eta^2} + \lambda_s \right) \phi_r\phi_q \, d\eta \right] = 0 \, . \tag{6}$$

An appropriate choice of ϕ_r for the range of η is the associated Legendre function $P^m_{m+r}(\eta)$ which satisfies Eq. (2) for the condition $h = 0$. This condition requires that

$$(1-\eta^2)\, P^{m\,\prime\prime}_{m+r} = 2\eta \, P^{m\,\prime}_{m+r} - \left[(m+r)(m+r+1) - \frac{m^2}{1-\eta^2} \right] P^m_{m+r} \, . \tag{7}$$

Substituting $\phi_r = P^m_{m+r}$ and $\phi_q = P^m_q$ in Eq. (6) and using Eq. (7), it is easily seen that Eq. (6) can be written in the form

$$\sum_{r=0}^{k} C_{sr} \, L_{m+r,q} = 0 \, , \tag{8a}$$

where

$$L_{m+r,q} = \left[(\lambda_s - (m+r)(m+r+1)) \int_{-1}^{+1} P^m_{m+r}(\eta) \, P^m_q(\eta) \, d\eta - h^2 \int_{-1}^{+1} \eta^2 \, P^m_{m+r} \, P^m_q \, d\eta \right] = 0 \, . \tag{8b}$$

The quantity L can be regarded as a large (though finite) matrix having elements $L_{m+r,q}$ with eigenvalues λ_s. In this light, Eq. (8a) is an eigenvalue problem and the entities C_{sr} are the components of an eigenvector corresponding to each eigenvalue λ_s. Now let $m + r = p$ for convenience and write the normalization and recursion relations of P^m_n in the forms

$$\int_{-1}^{+1} \tilde{P}^m_p \tilde{P}^m_s \, d\eta = \begin{cases} 1 \, , & p = s \, , \\ 0 \, , & p \neq s \, , \end{cases} \tag{9a}$$

$$\tilde{P}^m_p = \frac{P^m_p}{\sqrt{N(p,m)}} \, , \quad N(p,m) = \frac{2}{2p+1} \frac{(p+m)!}{(p-m)!} \, , \tag{9b}$$

$$(2p+1)\,\eta \, P^m_p = (p-m+1) \, P^m_{p+1} + (p+m) \, P^m_{p-1} \, . \tag{9c}$$

In normalized form the last equation reads

$$\eta \, \tilde{P}^m_p = A(p) \, \tilde{P}^m_{p+1} + B(p) \, \tilde{P}^m_{p-1} \, , \tag{9d}$$

where

$$A(p) = \sqrt{\frac{N(p+1,m)}{N(p,m)}} \, \frac{(p-m+1)}{(2p+1)} \, , \quad B(p) = \frac{p+m}{2p+1} \sqrt{\frac{N(p-1,m)}{N(p,m)}} \, . \tag{9e}$$

The products $A(q)B(p)$ may have the following two forms depending on the procedure of normalization:

$$A(q)\,B(p) = \frac{(q-m+1)}{(2q+1)}\,\frac{(p+m)}{(2p+1)}\,\frac{1}{N(p,m)}\,\sqrt{N(q+1,m)\,N(p-1,m)} \tag{9f}$$

or

$$A(q)\,B(p) = \frac{(q-m+1)}{(2q+1)}\,\frac{(p+m)}{(2p+1)}\,\sqrt{\frac{N(q+1,m)\,N(p-1,m)}{N(q,m)\,N(p,m)}}\,. \tag{9g}$$

Equation (9f) is designated as the nonnormalized form, and Eq. (9g) is the normalized form.

Expanding Eq. (8b) by use of Eq. (9d) one obtains further

$$L_{m+r,q} = L_{p,q} = 1 + 2 + 3 + 4 + 5\,,$$

where

$$1 = [\lambda_s - (p)(p+1)] \int_{-1}^{+1} \tilde{P}_p^m\, \tilde{P}_q^m\, d\eta \tag{10a}$$

$$2 = -h^2\,B(q)\,B(p) \int_{-1}^{+1} \tilde{P}_{q-1}^m\, \tilde{P}_{p-1}^m\, d\eta \tag{10b}$$

$$3 = -h^2\,A(p)\,A(q) \int_{-1}^{+1} \tilde{P}_{q+1}^m\, \tilde{P}_{p+1}^m\, d\eta \tag{10c}$$

$$4 = -h^2\,A(q)\,B(p) \int_{-1}^{+1} \tilde{P}_{q+1}^m\, \tilde{P}_{p-1}^m\, d\eta \tag{10d}$$

$$5 = -h^2\,A(p)\,B(q) \int_{-1}^{+1} \tilde{P}_{q-1}^m\, \tilde{P}_{p+1}^m\, d\eta\,. \tag{10e}$$

It is seen that any three consecutive terms of Eqs. (8a) satisfy the recursion relation

$$C_{s,p-m-2}\left[(-h^2)\,\frac{(p-1-m)\,(p-m)}{(2p-3)\,(2p-1)}\right] + C_{s,p-m}\left\{\lambda_s - p(p+1)\right.$$

$$\left. -h^2\left[\frac{(p+1-m)\,(p+1+m)}{(2p+1)\,(2p+3)} + \frac{(p+m)\,(p-m)}{(2p+1)\,(2p-1)}\right]\right\}$$

$$+ C_{s,p-m+2}\left[(-h^2)\,\frac{(p+2+m)\,(p+1+m)}{(2p+5)\,(2p+3)}\right] = 0\,. \tag{11}$$

This is the nonnormalized recursion relation between the constants C_{sr}.

We return to Eq. (9d), which is in the form

$$\eta \tilde{P}_p^m = \sqrt{\frac{(p-m+1)(p+1+m)}{(2p+1)(2p+3)}}\,\tilde{P}_{p+1}^m + \sqrt{\frac{(p+m)(p-m)}{(2p-1)(2p+1)}}\,\tilde{P}_{p-1}^m .$$

Substituting this formula into Eq. (8b) one obtains

$$\sum_{p=m}^{k} C_{c,p-m} L_{p,q} = \sum_{p=m}^{k} C_{s,p-m} \left\{ (\lambda_s - p(p+1)) \int_{-1}^{+1} \tilde{P}_p \tilde{P}_q \, d\eta - h^2 \int_{-1}^{+1} \left[A(p)A(q)\, P_{p+1}^m P_{q+1}^m \right] d\eta \right.$$

$$\left. + \left[A(p)\, B(q)\, P_{p+1}^m P_{q-1}^m \right] + \left[B(p)\, A(q)\, P_{p-1} P_{q+1} \right] + \left[A(q)\, B(q)\, P_{p-1}^m P_{q-1}^m \right] \right\} = 0 .$$

Using the properties of normalization shown in Eq. (9g) this reduces to the recursion relation

$$C_{s,p-m} \left\{ \lambda_s - p(p+1) - h^2 \left[\frac{(p-m+1)(p+1+m)}{(2p+1)(2p+3)} + \frac{(p+m)(p-m)}{(2p-1)(2p+1)} \right] \right.$$

$$- h^2 \left[\sqrt{\frac{(p+m)(p-m)(p-m-1)(p-1-m)}{(2p-1)(2p+1)(2p-3)(2p-1)}} \right] C_{s,p-m-2}$$

$$\left. - h^2 \left[\sqrt{\frac{(p-m+1)(p+1+m)(p+2+m)(p+2-m)}{(2p+1)(2p+3)(2p+3)(2p+5)}} \right] C_{s,p-m+2} \right\} = 0 . \qquad (12)$$

This is the normalized form of the recursion relation between the constants C_{sr}.

In the computation of eigenvalues it is advantageous to use a matrix formulation with normalized elements as given by Eq. (12). However, in the determination of eigenvectors whose components are the constants C_{sr} it is convenient to obtain these in unnormalized form by use of Eq. (11) with appropriate choices of λ_s and then to normalize them to suit a particular requirement. In this report the following normalization for the components of the eigenvectors is used:

$$\sum_{r=0}^{\infty}{}' C_{sr} \frac{(r+2m)!}{r!} = \frac{(s+m)!}{(s-m)!} . \qquad (13)$$

This choice of normalization (see Ref. 2) is arbitrary but very suitable to numerical computation.

COMPUTATION PROCEDURE

All elements in matrix L of Eq. (8b) are real. From Eqs. (11) and (12) it is seen that the subscripted elements $s = p$, $s = p+2$, and $s = p-2$ are non zero, while all other elements of the matrix vanish. Furthermore, one notes that the matrix is symmetrical; i.e., $C_{5,7} = C_{7,5}$. Based on these observations, therefore, we are required to find the eigenvalues λ_s of a real symmetric matrix. To assist in the numerical computation we have used the standard IBM Share-Distributed 704-709 Fortran program 664

by Burton S. Garbow of Argonne National Laboratory (CO-OP ID F4 UCSD 1 EIGEN). This subroutine finds all scalar solutions to the matrix equation $Ax = \lambda x$, where A is a real symmetric matrix. Although the eigenvalues of the separated Helmholtz equation are infinite in number, finite sized matrices yield excellent and well converged eigenvalues provided the selected partition of the infinite matrix is "large enough". In our application we use an 80 by 80 matrix to compute 50 eigenvalues in double precision (21 significant digits).

METHOD OF CHECKING

In Eq. (11) we designate the ratio $C_{s,r}/C_{s,r-2}$ by the symbol M_r^m. In the limit $r \to \infty$ we require that M_r^m vanish. Changing r to $r+2$ so that the ratio of constants is M_{r+2}^m

$$M_{r+2}^m = C_{s,r+2}\, C_{s,r} \cdot$$

one sees by the recursion relation Eq. (11) that M_{r+2}^m can be written as an infinite continued fraction $[M_{r+2}^m]_\infty$ by the permutation of subscripts, i.e., increasing subscripts so that the ratios read $C_{s,r+4}/C_{s,r+2}$, $C_{s,r+6}\, C_{s,r+4}$, etc. Another set of permutations is the set of decreasing subscripts $C_{sr}\, C_{s,r-2}$, $C_{s,r-2}\, C_{s,r-4}$, etc. This latter set is limited by the requirement that $C_{sr} = 0$ if $r < 0$. We can thus write M_{r+2}^m as a finite continued fraction $[M_{r+2}^m]_0$, using this latter set, i.e., the decreasing subscript set. Clearly one requires that

$$[M_{r+2}^m]_\infty - [M_{r+2}^m]_0 = U(\lambda_s) = 0 \,. \tag{14}$$

This is a transcendental equation in the unknown λ whose roots are the eigenvalues λ_s. A skillful procedure for finding these roots has been devised by Bouwkamp (3). He takes the first variation of $U(\lambda)$ due to a variation $\delta\lambda$, devises an equation for $\delta\lambda$ in terms of the M_r^m ratios, and by iteration of Eq. (14) using $\lambda + \delta\lambda_1 + \delta\lambda_2$, etc., finally causes λ to converge to the true value λ_s. This method however requires a good first guess on λ_s, which can then be used as a basis for iteration. In the event that this guess is poor, the method yields a different eigenvalue λ_{s+n}, $n = 2, 4, 6, \ldots$. Comparison of the matrix method noted above with the method of Bouwkamp shows that the matrix method agrees with Bouwkamp's method to all 21 significant digits for $h < 10$. For $h > 20$ Bouwkamp's method yields eigenvalues but not in a monotone series. Because these eigenvalues are sometimes identical for different m, ℓ, h, it is seen that Bouwkamp's method fails for large h. The failure is attributable to wrongly chosen starting values. To overcome this difficulty an 80 by 80 matrix is used to obtain eigenvalues which provide starting values for Bouwkamp's method. This procedure of combining the two methods yields 50 correct eigenvalues up to $h = 80$. For $h = 100$ the same method yields approximately 30 eigenvalues with 21 significant digits. This limit in available eigenvalues with required accuracy is due to limitation of the Share program.

RANGE OF TABULATION

The range covered by these eigenvalue tables is as follows:

$m = 0, 1, 2$

$\ell = m\,(1)\,m + 49$

$h = 0.1\,(0.1)\,0.9,\ 1.0\,(0.2)\,8.0,\ 10.0,\ 20.0,\ 40.0,\ 60.0,\ 80.0,\ 100.0$

The accuracy is considered to be 21 significant figures.

COMPARISON WITH OTHER PUBLICATIONS

The existing literature contains the following ranges of tabulation of prolate spheroidal eigenvalues.

Chang and Yeh (4):

$$m = 0\ (1)\ 9,\ \ell = m\ (1)\ 9,\ h = 0.1\ (0.1)\ 10\ (1.0)\ 100$$

Accuracy = 12 significant figures.

Stukey and Layton (5):

$$m = 0\ (1)\ 9,\ \ell = m\ (1)\ m + 9,\ h = 0.25\ (0.25)\ 10.0\ (1.0)\ 20.0$$

Accuracy = 11 significant figures.

The number of values of ℓ (i.e., the number of eigenfunctions for fixed m) in these latter collections is too limited to allow complete field calculations based on orthogonal expansions in eigenfunctions. For example, when $m = 0$, the Chang and Yeh tables contain ten values of ℓ. Since in many physical problems only even or odd integers are permitted, this number has been found to be too small to permit convergence, except for very small values of h. The NRL tables in contrast provide 50 values of ℓ for h as large as 80.

The increase in accuracy (from 12 to 21 figures) in these NRL tables is motivated by a desire to permit accurate determination of the components of the eigenvectors (that is the expansion constants $d_n(hm\ell)$), by a three-term recursion formula (6). Low accuracy of the eigenvalue results in poor d_n constants. By increasing the accuracy of the eigenvalue to 21 places, we are able to obtain well over 100 d_n constants having accuracy comparable to that of the eigenvalue. Accurate determination of functions involved in field calculations is not possible without this capability.

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TABLES OF EIGENVALUES OF THE EXTERIOR ACOUSTIC RADIATION PROBLEM FOR PROLATE SPHEROIDAL COORDINATES

Range of Parameters

h = 0.1 (0.1) 1.0, 1.2 (0.2) 8.0, 10, 20 (20.0) 100.0

m = 0, 1, 2

ℓ = m (1) m + 49

PROLATE EIGENVALUES H = 0,10

L	EIGENVALUE (M = 0)	L	EIGENVALUE (M = 1)	L	EIGENVALUE (M = 2)
0	3,33185232229905831206-003	1	2,00199954297902658333+000	2	6,00142837710116594828+000
1	2,00599931422478780977+000	2	6,00428532557322463209+000	3	1.20033331088792329426+001
2	6,00523910977105148434+000	3	1,20046668030243073977+001	4	2,00040259525962752424+001
3	1,20051114405883166087+001	4	2,00048053138162091154+001	5	3,00043590001974291472+001
4	2,00050651125753269094+001	5	3,00048718838147234612+001	6	4,20045454893082383972+001
5	3,00050428480335646030+001	6	4,20049091578958927610+001	7	5,60046606671245929922+001
6	4,20050303817750071985+001	7	5,60049321784437268184+001	8	7,20047368721604344453+001
7	5,60050226826257684228+001	8	7,20049474094148975571+001	9	9,00047899421743197917+001
8	7,20050175886862229527+001	9	9,00049580163935122034+001	10	1,10004828398009666729+002
9	9,00050140412260763610+001	10	1,10004965702456893302+002	11	1,32004857162590702521+002
10	1,10005011470656342601+002	11	1,32004971451549553967+002	12	1,56004879244267986692+002
11	1,32005009547897981053+002	12	1,56004975864946927541+002	13	1,82004896566827156978+002
12	1,56005008071857204501+002	13	1,82004979327152451189+002	14	2,10004910407594905060+002
13	1,82005006913938364648+002	14	2,10004982093462474454+002	15	2,40004921641928118077+002
14	2,10005005988758664894+002	15	2,40004984378832318452+002	16	2,72004930886141666188+002
15	2,40005005237805053613+002	16	2,72004986186443126001+002	17	3,06004938584421840699+002
16	2,72005004619880140781+002	17	3,06004987725073118139+002	18	3,42004945063499027303+002
17	3,06005004105292447403+002	18	3,42004989020024913949+002	19	3,80004950568067687526+002
18	3,42005003672201807431+002	19	3,80004990120204841538+002	20	4,20004955284334754232+002
19	3,80005003304251721815+002	20	4,20004991062829496788+002	21	4,62004959356038171474+002
20	4,20005002988995270133+002	21	4,62004991876627326007+002	22	5,06004962895568280698+002
21	4,62005002716824355275+002	22	5,06004992584061426150+002	23	5.52004965991832163744+002
22	5,06005002480226297766+002	23	5,52004993202901368195+002	24	6,00004968715907704763+002
23	5,52005002273258146472+002	24	6,00004993747353257615+002	25	6,50004971125170156570+002
24	6,00005002091168734977+002	25	6,50004994228884498621+002	26	7,02004973266345456700+002
25	6,50005001930122842924+002	26	7,02004994656834050989+002	27	7,56004975177797971366+002
26	7,02005001786997098400+002	27	7,56004995038869674276+002	28	8,12004976891264520368+002
27	7,56005001655227054704+002	28	8,12004995381334501884+002	29	8,70004978433182770657+002
28	8,12005001544691280235+002	29	8,70004995689512542836+002	30	9,30004979825718961175+002
29	8,70005001441862562646+002	30	9,30004995967834089839+002	31	9,92004981087570316320+002
30	9,30005001348539211073+002	31	9,92004996220036095067+002	32	1,05600498223459689834+003
31	9,92005001264191419170+002	32	1,05600499644928845644+003	33	1,12200498328032311984+003
32	1.05600500116751902927+003	33	1,12200499665829425331+003	34	1,19000498423633877060+003
33	1.12200500111761800902+003	34	1,19000499684936989835+003	35	1,26000498511262193276+003
34	1.19000500105371364493+003	35	1,26000499702450967759+003	36	1,33200498591780070470+003
35	1,26000500099513895730+003	36	1,33200499718543806025+003	37	1,40600498665936663862+003
36	1,33200500094131720537+003	37	1,40600499733365235788+003	38	1,48200498734384981312+003
37	1,40600500089174762024+003	38	1,48200499747045771548+003	39	1,56000498797696322581+003
38	1,48200500084599370223+003	39	1,56000499759699597079+003	40	1,64000498856372250126+003
39	1,56000500080367356900+003	40	1,64000499771426957994+003	41	1,72200498910854562283+003
40	1,64000500076445195373+003	41	1,72200499782316155048+003	42	1.80600498961533640981+003
41	1,72200500072803353865+003	42	1,80500499792445212571+003	43	1.89200499008755469910+003
42	1,80600500069415737500+003	43	1,89200499801883281167+003	44	1,98000499052827559804+003
43	1,89200500066259219180+003	44	1,98000499810691821977+003	45	2,07000499094023971117+003
44	1,98000500063313243510+003	45	2,07000499818925610547+003	46	2 16200499132589587906+003
45	2,07000500060559491064+003	46	2,16200499826633591032+003	47	2.25600499168743767851+003
46	2,16200500057981592695+003	47	2,25600499833859605718+003	48	2.35200499202683470378+003
47	2,25600500055564885554+003	48	2,35200499840643020227+003	49	2.45000499234585946461+003
48	2,35200500053296203991+003	49	2,45000499847019261115+003	50	2.55000499264611058927+003
49	2,45000500051163699760+003	50	2,55000499853020279632+003	51	2.65200499292903290174+003

PROLATE EIGENVALUES H = 0,20

M = 0		M = 1		M = 2	
L	EIGENVALUE	L	EIGENVALUE	L	EIGENVALUE
0	1,330965976410459229U9•002	1	2,007992693510803766l5•000	2	6,005711178205281778l4•000
1	2,023890246771145696J9•000	2	6,017136638436737778l7•000	3	1,201332974268179903U0•001
2	6,020968590594108855362•000	3	1,201866884271802530S1•001	4	2,001610355174383459l3•001
3	1,202044971893410184l3•001	4	2,001922268276443318l7•001	5	3,001743631034773223l6•001
4	2,002026258068263244181•001	5	3,001948860242435765l1•001	6	4,201818237419718748l1•001
5	3,002017274808028421l2•001	6	4,201963743537646531l5•001	7	5,601864307210301l8061•001
6	4,202012247205405770J2•001	7	5,601972933471839966l5•001	8	7,201894784926581515l4•001
7	5,602009142880641867J4•001	8	7,201979012957705555l5•001	9	9,001916008317302693l7•001
8	7,202007089266679989l2•001	9	9,001983246397255436l0•001	10	1,100193138647115244l5•002
9	9,002005659240142033l5•001	10	1,100198631386214805l8•002	11	1,320194288871593675l0•002
10	1,100200462307311083l0•002	11	1,320198860819344024l1•002	12	1,560195171836463775l9•002
11	1,320200384806538612l0•002	12	1,560199036944225152l4•002	13	1,820195864485425101l9•002
12	1,560200325313580526l7•002	13	1,820199175103007955l0•002	14	2,100196417903341588l1•002
13	1,820200278643631118l7•002	14	2,100199285491627139l4•002	15	2,400196867097203405l7•002
14	2,100200241355509324l0•002	15	2,400199375090911780l0•002	16	2,720197236713535148l3•002
15	2,400200211089561645l3•002	16	2,720199448817073826l4•002	17	3,060197544514860592l0•002
16	2,720200186185451308l0•002	17	3,060199510213172090l7•002	18	3,420197803566434247l9•002
17	3,060200165446530052l7•002	18	3,420199561885304189l1•002	19	3,800198023652857756l7•002
18	3,420200147991649872l9•002	19	3,800199605785180184l4•002	20	4,200198212219855732l8•002
19	3,800200133162e0697919•002	20	4,200199643397978489l2•002	21	4,620198375014886491l7•002
20	4,200200120457490221l7•002	21	4,620199675870129767l3•002	22	5,060198516531893640l7•002
21	4,620200109488644909l9•002	22	5,060199704098021926l2•002	23	5,520198640325798422l6•002
22	5,060200099953476395l3•002	23	5,520199728790749353l9•002	24	6,000198749238598816l5•002
23	5,520200091612e3995215•002	24	6,000199750515194427l5•002	25	6,500198845564382797l0•002
24	6,000200084274106526l4•002	25	6,500199769728951327l0•002	26	7,020198931171422397l4•002
25	6,500200077785844351l9•002	26	7,020199786804678022l5•002	27	7,560199907593653245l1•002
26	7,020200072015792459l6•002	27	7,560199802048343448l8•002	28	8,120199076100011747l9•002
27	7,560200066866059688787•002	28	8,120199815713057998l3•002	29	8,700199137747551978l2•002
28	8,120200062250/2893865•002	29	8,700199828009668587l5•002	30	9,300199193422539666l6•002
29	8,700200058097056112l0•002	30	9,300199839114955549l0•002	31	9,920199243872536721l8•002
30	9,300200054345777337989•002	31	9,920199849178032432l2•002	32	1,056019928973166566l6•003
31	9,920200050946054132665•002	32	1,056019985832538541l1•003	33	1,122019933154066228l6•003
32	1,056020004789663388l4•003	33	1,122019986666487319l8•003	34	1,190019936976291038l4•003
33	1,122020004503761725l9•003	34	1,190019987428892515l5•003	35	1,260019940479735312l0•003
34	1,190020004248426938l5•003	35	1,260019988127711719l5•003	36	1,332019943698895776l4•003
35	1,260020004010317021l7•003	36	1,332019988769825864l1•003	37	1,406019946663724956l6•003
36	1,332020003793406952l6•003	37	1,406019989361209473l8•003	38	1,482019949400331182l6•003
37	1,406020003593708674l5•003	38	1,482019989907070282l7•003	39	1,560019951931555909l1•003
38	1,482020003407931695l6•003	39	1,560019990411964391l7•003	40	1,640019954277452345l4•003
39	1,560020003238/6748420•003	40	1,640019990879891744l2•003	41	1,722019956455684210l6•003
40	1,640020003080/0510466•003	41	1,722019991314375656l4•003	42	1,806019958481859496l6•003
41	1,722020002933939668l2•003	42	1,806019991718529399l5•003	43	1,892019960369811072l2•003
42	1,806020002797419537l7•003	43	1,892019992095112164l4•003	44	1,980019962131833591l8•003
43	1,892020002670212676l0•003	44	1,980019992446576320l5•003	45	2,070019963778884307l5•003
44	1,980020002551490693l4•003	45	2,070019992775107473l0•003	46	2,162019965320753959l6•003
45	2,070020002440515308l5•003	46	2,162019993082658544l1•003	47	2,256019966766212698l8•003
46	2,162020002336626638l7•003	47	2,256019993370978883l4•003	48	2,352019968123135163l8•003
47	2,256020002239263436l5•003	48	2,352019993641639216l2•003	49	2,450019969398606021l9•003
48	2,352020002147807311l4•003	49	2,450019993896053095l9•003	50	2,550019970599022737l9•003
49	2,450020002061886189l3•003	50	2,550019994135495402l1•003	51	2,652019971730155847l2•003

PROLATE EIGENVALUES M = 0,30

M = 0		M = 1		M = 2	
L	EIGENVALUE	L	EIGENVALUE	L	EIGENVALUE
0	2,98803437342644445140+002	1	2,01796306015902128245+000	2	6,01284142566649133747+000
1	2,05394441287899147138+000	2	6,03853995224329500038+000	3	1,20299818275097954919+001
2	6,04722472491161370910+000	3	1,20420109684811415475+001	4	2,00362320104018569506+001
3	1,20460267261012339334+001	4	2,00432563845808194795+001	5	3,00392328553474297506+001
4	2,00455987974026735171+001	5	3,00438533562015961206+001	6	4,20409119041400904995+001
5	3,00453937684006456447+001	6	4,20441872434548569467+001	7	5,60419484251451043285+001
6	4,20452791058512652152+001	7	5,60443933315102258581+001	8	7,20426340129034661187+001
7	5,60452083335031092731+001	8	7,20445296361738386166+001	9	9,00431113662774561266+001
8	7,20451615257301936961+001	9	9,00446245379003097900+001	10	1,10043457218044269528+002
9	9,00451289360195811303+001	10	1,10044693294858142665+002	11	1,32043715884049475937+002
10	1,10045105324547482164+002	11	1,32044744718353224983+002	12	1,56043914437830501706+002
11	1,32045087665456838307+002	12	1,56044784191125263492+002	13	1,82044070188830108985+002
12	1,56045074110292268960+002	13	1,82044815154514315329+002	14	2,10044194628069928965+002
13	1,82045063477285658155+002	14	2,10044839893036782201+002	15	2,40044295629392607047+002
14	2,10045054981926431630+002	15	2,40044859972060703322+002	16	2,72044378735990833286+002
15	2,40045048086661721876+002	16	2,72044876493596320586+002	17	3,06044447942585050246+002
16	2,72045042415057041335+002	17	3,06044890251805722975+002	18	3,42044506187372493367+002
17	3,06045037688399861235+002	18	3,42044901830808262714+002	19	3,80044555670697412922+002
18	3,42045033712086995071+002	19	3,80044911668035093928+002	20	4,20044598066890698455+002
19	3,80045030333908493555+002	20	4,20044920096344350826+002	21	4,62044634668358251981+002
20	4,20045027439565179014+002	21	4,62044927372666672153+002	22	5,06044666485611157865+002
21	4,62045024940821690113+002	22	5,06044933697891597643+002	23	5,52044694317995968890+002
22	5,06045022768691426842+002	23	5,52044939230928961619+002	24	6,00044718804543230178+002
23	5,52045020866860381896D+002	24	6,00044944098817693549+002	25	6,50044740461076945354+002
24	6,00045019196932924791+002	25	6,50044948404103239201+002	26	7,02044759707671282604+002
25	6,50045017718465993562+002	26	7,02044952230295986831+002	27	7,56044776889222132359+002
26	7,02045016404519018479+002	27	7,56044955645960905798+002	28	8,12044792291039045835+002
27	7,56045015231552334780+002	28	8,12044958707817231103+002	29	8,70044806150789466712+002
28	8,12045014180086173058+002	29	8,70044961463112977884+002	30	9,30044818667739250852+002
29	8,70045013233892258599+002	30	9,30044963951461955710+002	31	9,92044830009967180051+002
30	9,30045012374375670743+002	31	9,92044966206278011720+002	32	1,05604484032004583224+003
31	9,92045011605055157863+002	32	1,05604496825590438495+003	33	1,12204484971955049902+003
32	1,05604501090119490005+003	33	1,12204497012451007640+003	34	1,19004485831266460716+003
33	1,12204501025990021129+003	34	1,19004497183280660416+003	35	1,26004486618908283144+003
34	1,19004500967286960038+003	35	1,26004497339862513988+003	36	1,33204487342636404232+003
35	1,26004500913514178915+003	36	1,33204497483738427251+003	37	1,40604488009185012389+003
36	1,33204500864103983728+003	37	1,40604497616247146743+003	38	1,48204488624423986790+003
37	1,40604500818801374680+003	38	1,48204497738555595487+003	39	1,56004489193488704152+003
38	1,48204500776299621404+003	39	1,56004497851684678434+003	40	1,64004489720887653214+003
39	1,56004500737750137211+003	40	1,64004497956530676087+003	41	1,72204490210592090256+003
40	1,64004500701749132362+003	41	1,72204498053883067913+003	42	1,80604490666111081555+003
41	1,72204500668313493392+003	42	1,80604498144439450685+003	43	1,89204491090554593249+003
42	1,80604500637212660042+003	43	1,89204498228818080661+003	44	1,98004491486686756227+003
43	1,89204500608239181888+003	44	1,98004498307568462578+003	45	2,07004491856971016821+003
44	1,98004500581192763504+003	45	2,07004498381180325542+003	46	2,16204492203608556040+003
45	2,07004500555916819074+003	46	2,16204498450091260719+003	47	2,25604492528571100517+003
46	2,16204500532252212554+003	47	2,25604498514693244103+003	48	2,35204492833629041778+003
47	2,25604500510067336208+003	48	2,35204498575338226588+003	49	2,45004493120375615269+003
48	2,35204500489241327230+003	49	2,45004498632342940722+003	50	2,55004493390247757828+003
49	2,45004500469665417073+003	50	2,55004498685993047137+003	51	2,65204493644544155100+003

PROLATE EIGENVALUES M = 0.40

M = 0		M = 1		M = 2	
L	EIGENVALUE	L	EIGENVALUE	L	EIGENVALUE
0	5.29560091209193499764+002	1	2.03188346936991197323+000	2	6.02280753313230507631+000
1	2.09582420918810888676+000	2	6.06847197393236477616+000	3	1.20532759222371327651+001
2	6.08406740713922207376+000	3	1.20747011215375386943+001	4	2.00644099799005823552+001
3	1.20818623510000977794+001	4	2.00769135328363355372+001	5	3.00697501640883846779+001
4	2.00810844244354237124+001	5	3.00779714753483265590+001	6	4.20727361568566769345+001
5	3.00807126908482468851+001	6	4.20785625992672935326+001	7	5.60745787412522554435+001
6	4.20805050085426318714+001	7	5.60789272728154334349+001	8	7.20757971647687808748+001
7	5.60803768884852144101+001	8	7.20791683884675534309+001	9	9.00766453631366445450+001
8	7.20802921776000899369+001	9	9.00793362300077345820+001	10	1.10077259820972752728+002
9	9.00802332096109719061+001	10	1.10079457815049772257+002	11	1.32077719337012838274+002
10	1.10080190492664122710+002	11	1.32079548739437592853+002	12	1.56078072039552691693+002
11	1.32080158547633592237+002	12	1.56079618527799648562+002	13	1.82078348693771378473+002
12	1.56080134026316163484+002	13	1.82079673268229529295+002	14	2.10078569720517670245+002
13	1.82080114795820977574+002	14	2.10079717001636848031+002	15	2.40078749110945935862+002
14	2.10080099450470593743+002	15	2.40079752496542483268+002	16	2.72078896713961559279+002
15	2.40080086959604179614+002	16	2.72079781701778910953+002	17	3.06079019626693823884+002
16	2.72080076698953656365+002	17	3.06079806021658549835+002	18	3.42079123068909584670+002
17	3.06080068153866477447+002	18	3.42079826489009553893+002	19	3.80079210949369088428+002
18	3.42080060962785537864+002	19	3.80079843877247361772+002	20	4.20079286242275774902+002
19	3.80080054853504829143+002	20	4.20079858774866857645+002	21	4.62079351243321436327+002
20	4.20080049619285941731+002	21	4.62079871636105325948+002	22	5.06079407747410789290+002
21	4.62080045100531671327+002	22	5.06079882816111253299+002	23	5.52079457174333338671+002
22	5.06080041172470182571+002	23	5.52079892595810123090+002	24	6.00079500659100617986+002
23	5.52080037736398880574+002	24	6.00079901199779575823+002	25	6.50079539117872497505+002
24	6.00080034713414282714+002	25	6.50079908809294120356+002	26	7.02079573296733123469+002
25	6.50080032039826967101+002	26	7.02079915571976287791+002	27	7.56079603808234368164+002
26	7.02080029663770781355+002	27	7.56079921609027349201+002	28	8.12079631159092613919+002
27	7.56080027542664279531+002	28	8.12079927020707558361+002	29	8.70079655771405351618+002
28	8.12080025641276049657+002	29	8.70079931890534175794+002	30	9.30079677999064767232+002
29	8.70080023930268302556+002	30	9.30079936288529137933+002	31	9.92079698140572333731+002
30	9.30080022385037322484+002	31	9.92079940273754606561+002	32	1.05607971644912911241+003
31	9.92080020984831885150+002	32	1.05607994389630947549+003	33	1.12207973314064430357+003
32	1.05608001971204995212+003	33	1.12207994719891397151+003	34	1.19007974840013894316+003
33	1.12208001855168193504+003	34	1.19007995021817671152+003	35	1.26007976238690213329+003
34	1.19008001749086552536+003	35	1.26007995298561493061+003	36	1.33207977523867006693+003
35	1.26008001651852724506+003	36	1.33207995552848135635+003	37	1.40607978707503396178+003
36	1.33208001562509192965+003	37	1.40607995787043851218+003	38	1.48207979800023535799+003
37	1.40608001480224581791+003	38	1.48207996003211180249+003	39	1.56007980810547151402+003
38	1.48208001404274222576+003	39	1.56007996203154566401+003	40	1.64007981747060664449+003
39	1.56008001334024128319+003	40	1.64007996388458172806+003	41	1.72207982616676419245+003
40	1.64008001268491770673+003	41	1.72207996560517387111+003	42	1.80607983425569956431+003
41	1.72208001208464691180+003	42	1.80607996720565191277+003	43	1.89207984174272058159+003
42	1.80608001152231857053+003	43	1.89207996869694331071+003	44	1.98007984882703343825+003
43	1.89208001099835259536+003	44	1.98007997008876032975+003	45	2.07007985540234454877+003
44	1.98008001050933802968+003	45	2.07007997138975869708+003	46	2.16207986155774284578+003
45	2.07008001005223189062+003	46	2.16207997260767260306+003	47	2.25607986732824247520+003
46	2.16208000962431744452+003	47	2.25607997374942999427+003	48	2.35207987274528216847+003
47	2.25608000922510056565+003	48	2.35207997482125138029+003	49	2.45007987783715463767+003
48	2.35208000884865768475+003	49	2.45007997582873479456+003	50	2.55007988262937698144+003
49	2.45008000849259593854+003	50	2.55007997677692908349+003	51	2.65207988714501118595+003

PROLATE EIGENVALUES H = 0,50

M = 0		M = 1		M = 2	
L	EIGENVALUE	L	EIGENVALUE	L	EIGENVALUE
0	8,241480674252899240970+002	1	2,049716182240622204370+000	2	6,035593369720957212810+000
1	2,149570486391056640490+000	2	6,106900130405332472110+000	3	1,208319324160708727080+001
2	6,131579270176931936940+000	3	1,211675012478634260970+001	4	2,010063549496358477400+001
3	1,212798458457735997930+001	4	2,012020405255598499298+001	5	3,010899035051767640220+001
4	2,012673440229179182250+001	5	3,012185041424200571860+001	6	4,211365803119510999440+001
5	3,012613901304221973960+001	6	4,212276912424269470920+001	7	5,611653683719021653020+001
6	4,212580679673853142490+001	7	5,612333550321949272560+001	8	7,211843982523841542600+001
7	5,612560198261147179650+001	8	7,212370982897097440840+001	9	9,011976427303699390730+001
8	7,212546661405135123370+001	9	9,012397032863236617960+001	10	1,101207235810883171450+002
9	9,012537240579697245960+001	10	1,101241590005113733060+002	11	1,321214409029785432750+002
10	1,101253041719058819520+002	11	1,321243000752027628990+002	12	1,561219914344424430520+002
11	1,321252531506605523800+002	12	1,561244083452066740310+002	13	1,821224232317571340590+002
12	1,561252139929629222550+002	13	1,821244932632318241200+002	14	2,101227681871988938410+002
13	1,821251832804960007370+002	14	2,101245611021193180120+002	15	2,401230481483281098040+002
14	2,101251587446087779720+002	15	2,401246161588476699110+002	16	2,721232784926999765680+002
15	2,401251388319427991520+002	16	2,721246614577841450890+002	17	3,061234703003515409350+002
16	2,721251224481448452080+002	17	3,061246991780382421000+002	18	3,421236317197488801960+002
17	3,061251088055333371100+002	18	3,421247309221420664370+002	19	3,801237688523759976700+002
18	3,421250973239395061250+002	19	3,801247578900398872590+002	20	4,201238863406467184180+002
19	3,801250875699882594840+002	20	4,201247809947203379200+002	21	4,621239877677149409780+002
20	4,201250792132822890590+002	21	4,621248009408501603820+002	22	5,061240759349905280690+002
21	4,621250719989649630810+002	22	5,061248182793542609790+002	23	5,521241530583414687280+002
22	5,061250657277818635740+002	23	5,521248334460028776990+002	24	6,001242209091286383070+002
23	5,521250602421256544700+002	24	6,001248467891485924520+002	25	6,501242809171231268620+002
24	6,001250554160091874300+002	25	6,501248585899666567530+002	26	7,021243342466463797780+002
25	6,501250511477251706760+002	26	7,021248690774290310210+002	27	7,561243818536126847140+002
26	7,021250473544707918990+002	27	7,561248784395225202560+002	28	8,121244245287607716710+002
27	7,561250439682505007580+002	28	8,121248868317507719860+002	29	8,701244629307694148190+002
28	8,121250409524821233470+002	29	8,701248943836468130500+002	30	9,301244976118755322650+002
29	8,701250382013324811318+002	30	9,301249012038111013840+002	31	9,921245290378744679470+002
30	9,301250357345052747920+002	31	9,921249073838447644450+002	32	1,056124557603867961800+003
31	9,921250334992085361910+002	32	1,056124913001446572040+003	33	1,122124583646762840780+003
32	1,056125031467339533060+003	33	1,122124918122870904100+003	34	1,190124607455264859700+003
33	1,122125029614934778500+003	34	1,190124922804893114990+003	35	1,260124629277925550730+003
34	1,190125027924592035370+003	35	1,260124927096392004010+003	36	1,332124649329664927300+003
35	1,260125026369263807170+003	36	1,332124931039632352820+003	37	1,406124667797084755850+003
36	1,332125024942947179020+003	37	1,406124934671310798100+003	38	1,482124684842840712040+003
37	1,406125023629400279910+003	38	1,482124938023413676580+003	39	1,560124700609229981140+003
38	1,482125022418950064040+003	39	1,560124941123924513463+003	40	1,640124715221178733610+003
39	1,560125021295499701380+003	40	1,640124943997410549230+003	41	1,722124728788725828790+003
40	1,640125020256163866910+003	41	1,722124946665511358580+003	42	1,806124741409102495130+003
41	1,722125019291114220810+003	42	1,806124949147347842480+003	43	1,892124753168480733980+003
42	1,806125018393436285610+003	43	1,892124951459866054930+003	44	1,980124764143449421250+003
43	1,892125017557000287320+003	44	1,980124953618127486990+003	45	2,070124774402265526000+003
44	1,980125016777635656190+003	45	2,070124955635555125020+003	46	2,162124784005918772040+003
45	2,070125016048659007911+003	46	2,162124957524142821530+003	47	2,256124793009040872560+003
46	2,162125015363524717750+003	47	2,256124959294634100350+003	48	2,352124801460684742840+003
47	2,256125014720516859040+003	48	2,352124960956675392410+003	49	2,450124809404994517530+003
48	2,352125014112000621430+003	49	2,450124962518947797610+003	50	2,550124816881783519210+003
49	2,450125013556934886920+003	50	2,550124963989280744860+003	51	2,652124823927034354030+003

PROLATE EIGENVALUES M = 0,60

M = 0		M = 1		M = 2	
L	EIGENVALUE	L	EIGENVALUE	L	EIGENVALUE
0	1,1810215651267902997[illegible]+001	1	2,0714131949999[illegible]0734049+000	2	6,0511783490564088[illegible]263+000
1	2,2151085145114877650[illegible]+000	2	6,1537826066614824449[illegible]+000	3	1,2119709688651266[illegible]419+001
2	6,1898644460771[illegible]+000	3	1,2168171391637865[illegible]44+001	4	2,0144905897584[illegible]634659+001
3	1,2184429660[illegible]+001	4	2,0173140645297193525[illegible]+001	5	3,0156956087049697752[illegible]+001
4	2,0182567965[illegible]+001	5	3,0175499743469610[illegible]32+001	6	4,2163681237137560282[illegible]+001
5	3,0181684951467[illegible]+001	6	4,2176814041536227997[illegible]+001	7	5,6167826327241523738[illegible]+001
6	4,2181192979057[illegible]+001	7	5,6177623606888799974[illegible]+001	8	7,2170565231369570244[illegible]+001
7	5,6180889902[illegible]+001	8	7,2178158382994028852[illegible]+001	9	9,0172470921878679078[illegible]+001
8	7,2180869677[illegible]+001	9	9,0178530418393318927[illegible]+001	10	1,1017385095004887588[illegible]+002
9	9,0180550372[illegible]+001	10	1,1017879980986952[illegible]+002	11	1,3217488271172935337[illegible]+002
10	1,1810644947[illegible]+002	11	1,3217900120697906[illegible]+002	12	1,5617567448083060354[illegible]+002
11	1,3218037407[illegible]+002	12	1,5617915575308281[illegible]+002	13	1,8217629543336440410[illegible]+002
12	1,5[illegible]+002	13	1,8217927695462985[illegible]+002	14	2,1017679146736105785[illegible]+002
13	1,8218027080610[illegible]+002	14	2,1017937377222830[illegible]+002	15	2,4017719401938005208[illegible]+002
14	2,1818023454961215[illegible]+002	15	2,4017945234278596[illegible]+002	16	2,7217752521312990301[illegible]+002
15	2,4818020512351[illegible]+002	16	2,7217951698499351[illegible]+002	17	3,0617780098763567400[illegible]+002
16	2,7218018091306[illegible]+002	17	3,0617957081014475352[illegible]+002	18	3,4217803306363689321[illegible]+002
17	3,0818016075[illegible]+002	18	3,4217961610606648441[illegible]+002	19	3,8017823021679856343[illegible]+002
18	3,4218014378[illegible]+002	19	3,8017965458568877905[illegible]+002	20	4,2017839912377973642[illegible]+002
19	3,8018012937[illegible]+002	20	4,2017968755221485792[illegible]+002	21	4,6217854493753029099[illegible]+002
20	4,2018011702[illegible]+002	21	4,6217971601142609507[illegible]+002	22	5,0617867168657208344[illegible]+002
21	4,6218010637[illegible]+002	22	5,0617974074962406344[illegible]+002	23	5,5217878255726220672[illegible]+002
22	5,0818009710[illegible]+002	23	5,5217976238872858255[illegible]+002	24	6,0017888009667419027[illegible]+002
23	5,5218008[illegible]+002	24	6,0017978142587949487[illegible]+002	25	6,5017896636063618201[illegible]+002
24	6,0818008189[illegible]+002	25	6,5017979826233276806[illegible]+002	26	7,0217904302324561440[illegible]+002
25	6,5018007[illegible]+002	26	7,0217981322483675787[illegible]+002	27	7,5617911145891070597[illegible]+002
26	7,0218006[illegible]+002	27	7,5617982658164577460[illegible]+002	28	8,1217917280452544569[illegible]+002
27	7,5618006[illegible]+002	28	8,1217983855465581420[illegible]+002	29	8,7017922800709388609[illegible]+002
28	8,1218006047[illegible]+002	29	8,7017984932870011108[illegible]+002	30	9,3017927786057070838[illegible]+002
29	8,7018005643[illegible]+002	30	9,3017985905873981632[illegible]+002	31	9,9217932303462200276[illegible]+002
30	9,3018005279[illegible]+002	31	9,9217986787547760178[illegible]+002	32	1,0561793640972704484[illegible]+003
31	9,9218004948[illegible]+002	32	1,0561798758897775782[illegible]+003	33	1,1221794015328676132[illegible]+003
32	1,0561800464[illegible]+003	33	1,1221798831961731426[illegible]+003	34	1,1901794357564640808[illegible]+003
33	1,1221800437[illegible]+003	34	1,1901798898756717357[illegible]+003	35	1,2601794671253797362[illegible]+003
34	1,1901800412[illegible]+003	35	1,2601798959980131216[illegible]+003	36	1,3321794959485809018[illegible]+003
35	1,2601800387[illegible]+003	36	1,3321799016234990[illegible]+003	37	1,4061795224943269893[illegible]+003
36	1,3321800368[illegible]+003	37	1,4061799068044884[illegible]+003	38	1,4821795469964423315[illegible]+003
37	1,4061800349[illegible]+003	38	1,4821799115866161[illegible]+003	39	1,5601795969594886652[illegible]+003
38	1,4821800531[illegible]+003	39	1,5601799160098077[illegible]+003	40	1,6401795906630531494[illegible]+003
39	1,5601800314[illegible]+003	40	1,6401799201091139[illegible]+003	41	1,7221796101653206687[illegible]+003
40	1,6401800299[illegible]+003	41	1,7221799239154081[illegible]+003	42	1,8061796283060637889[illegible]+003
41	1,7221800284[illegible]+003	42	1,8061799274559702[illegible]+003	43	1,8921796452091564070[illegible]+003
42	1,8061800271726[illegible]+003	43	1,8921799307549772[illegible]+003	44	1,9801796609846958941[illegible]+003
43	1,8921800259[illegible]+003	44	1,9801799338391699[illegible]+003	45	2,0701796757308019127[illegible]+003
44	1,9801800247[illegible]+003	45	2,0701799367119399[illegible]+003	46	2,1621796895351470152[illegible]+003
45	2,0701800237[illegible]+003	46	2,1621799394061573[illegible]+003	47	2,2561797024762637834[illegible]+003
46	2,1621800226[illegible]+003	47	2,2561799419318965[illegible]+003	48	2,3521797146246650356[illegible]+003
47	2,2561800217[illegible]+003	48	2,3521799443029199[illegible]+003	49	2,4501797260438070448[illegible]+003
48	2,3521800208[illegible]+003	49	2,4501799465316122[illegible]+003	50	2,5501797367909204226[illegible]+003
49	2,4501800200[illegible]+003	50	2,5501799486291433760[illegible]+003	51	2,6521797469177290472[illegible]+003

PROLATE EIGENVALUES H = 0,70

L	M = 0 EIGENVALUE	L	M = 1 EIGENVALUE	L	M = 2 EIGENVALUE
0	1,59632343500817263257-001	1	2,09691662018199290165+000	2	6,06953754235661138706+000
1	2,29234658074320279831+000	2	6,20906839617344736069+000	3	1,21627958965089618950+001
2	6,25904694798445749324+000	3	1,22289805569059300491+001	4	2,01972177405987565131+001
3	1,22512422324402699165+001	4	2,02357387429111775280+001	5	3,02136505702622662750+001
4	2,02466086618116706269+001	5	3,02389311394946478966+001	6	4,22228102629000827619+001
5	3,02473654457360496661+001	6	4,22407061727226080063+001	7	5,62284516177250267291+001
6	4,22466739575052837266+001	7	5,62417984062755446852+001	8	7,22321773343221432008+001
7	5,62462483313731776169+001	8	7,22425194580625784751+001	9	9,02347687606576740345+001
8	7,22459672850990539436+001	9	9,02430208799031257796+001	10	1,10236644972285832936+002
9	9,02457718124107616753+001	10	1,10243383858908157326+002	11	1,32238047365485414100+002
10	1,10245630292664640501+002	11	1,32243655167324128117+002	12	1,56239123449497557761+002
11	1,32245524504149552015+002	12	1,56243863329887555912+002	13	1,82239967291198061427+002
12	1,56245443331734742287+002	13	1,82244026560822821674+002	14	2,10240641319874591752+002
13	1,82245379676765464220+002	14	2,10244156940274479020+002	15	2,40241188285766907364+002
14	2,10245328830605418158+002	15	2,40244262739651578013+002	16	2,72241638269617385670+002
15	2,40245287568654282542+002	16	2,72244349778631385402+002	17	3,06242012940128807353+002
16	2,72245253622657688291+002	17	3,06244422249208720787+002	18	3,42242328229548702506+002
17	3,06245225357617964814+002	18	3,42244493233491607633+002	19	3,80242596065695119417+002
18	3,42245201571983588255+002	19	3,80244535038857699404+002	20	4,20242825522708508781+002
19	3,80245181360408785531+002	20	4,20244579420613006194+002	21	4,62243023603404170678+002
20	4,20245164055314039003+002	21	4,62244617733359638021+002	22	5,06243195782189278901+002
21	4,62245149111501011235+002	22	5,06244651036032979498+002	23	5,52243346388824090304+002
22	5,06245136121821334418+002	23	5,52244680166144367254+002	24	6,00243478884230088084+002
23	5,52245124759490254376+002	24	6,00244705793137408149+002	25	6,50243596061724716745+002
24	6,00245114753477657341+002	25	6,50244728457316725159+002	26	7,02243700195878595337+002
25	6,50245105923067556148+002	26	7,02244748596643679622+002	27	7,56243793154022833519+002
26	7,02245098060671004195+002	27	7,56244766578306542585+002	28	8,12243876480749826536+002
27	7,56245091053418938433+002	28	8,12244782695066227061+002	29	8,70243951462635223859+002
28	8,12245084766788212957+002	29	8,70244797197775866506+002	30	9,30244019178302426180+002
29	8,70245079109719495844+002	30	9,30244810795064990923+002	31	9,92244080537505473270+002
30	9,30245074000840756813+002	31	9,92244822162899422285+002	32	1,05624413631190034887+003
31	9,92245069371519093371+002	32	1,05624483295053338519+003	33	1,12224418715946575713+003
32	1,05524506516353950510+003	33	1,12224484278523318750+003	34	1,19024423364402867906+003
33	1,12224506132726269889+003	34	1,19024485177605402746+003	35	1,26024427625098518888+003
34	1,19024505782012152310+003	35	1,26024486001688080032+003	36	1,33224431540004106966+003
35	1,26024505460255818644+003	36	1,33224486758889247166+003	37	1,40624435145560100309+003
36	1,33224505165190083595+003	37	1,40624487456257160317+003	38	1,48224438473528966991+003
37	1,40624504893161611492+003	38	1,48224488099935253653+003	39	1,56024441551697910756+003
38	1,48224504642071319119+003	39	1,56024488695298065050+003	40	1,64024444404461432684+003
39	1,56024504409835424620+003	40	1,64024489247063918745+003	41	1,72224447053306649332+003
40	1,64024504194601500165+003	41	1,72224489759388790565+003	42	1,80624449517219489481+003
41	1,72224503994752457426+003	42	1,80624490235944882244+003	43	1,89224451813026178147+003
42	1,80624503808059905621+003	43	1,89224490679986667625+003	44	1,98024453955681529847+003
43	1,89224503635642369597+003	44	1,98024491094406655520+003	45	2,07024455958651331514+003
44	1,98024503473980363873+003	45	2,07024491481782655044+003	46	2,16224457833430187738+003
45	2,07024503322674133669+003	46	2,16224491844417992649+003	47	2,25624459591099253424+003
46	2,16224503181412418553+003	47	2,25624492184375858427+003	48	2,35224461241098243656+003
47	2,25624503048802705207+003	48	2,35224492503508737386+003	49	2,45024462792046361949+003
48	2,35224502924313392741+003	49	2,45024492803483719611+003	50	2,55024464251717152460+003
49	2,45024502807297196053+003	50	2,55024493085804330147+003	51	2,65224465627136159692+003

PROLATE EIGENVALUES H = 0,80

L	M = 0 EIGENVALUE	L	M = 1 EIGENVALUE	L	M = 2 EIGENVALUE
0	2,0739049765125550795-001	1	2,1261591445841661 7433+000	2	6,0906418145536554 1583+000
1	2,3611757791108773152+000	2	6,2726973644857766 3145+000	3	1,2212417279743572 6963+001
2	6,3392686612126989078+000	3	1,2299195033738761 8154+001	4	2,0257566672004553 7363+001
3	1,2328475574515608 1163+001	4	2,0305016449007323 6098+001	5	3,0279077478794052 4719+001
4	2,0324684381203600 2198+001	5	3,0312158371862139 2725+001	6	4,2291050459088868 3646+001
5	3,0323198167011363 0599+001	6	4,2314455933743290 6823+001	7	5,6298417900291104 4024+001
6	4,2322262527079169 9159+001	7	5,6315867960536613 6207+001	8	7,2303280796199572 2689+001
7	5,6321686355734247 9477+001	8	7,2316799443210484 1542+001	9	9,0306661864851928 1835+001
8	7,2321306433259834 9040+001	9	9,0317446894172760 0009+001	10	1,1030910903698480 2352+002
9	9,0321042286403539 7104+001	10	1,1031791542038111 0490+002	11	1,3231093793639510 2974+002
10	1,1032035100062099 4141+002	11	1,3231825573991637 2505+002	12	1,5031234102336536 1343+002
11	1,3232070912259864 1957+002	12	1,5631853412273967 2099+002	13	1,8231344115969726 5071+002
12	1,5632059430465003 1127+002	13	1,8231874470346079 9881+002	14	2,1031431982310707 1418+002
13	1,8232051259590283 2000+002	14	2,1031891248510949 4567+002	15	2,4031503279289384 7691+002
14	2,1132044391457065 5332+002	15	2,4031904934820614 4939+002	16	2,7231561930991292 1128+002
15	2,4132038321417112 3332+002	16	2,7231916160575338 8342+002	17	3,0631610763687809 1069+002
16	2,7232034233410632 7234+002	17	3,0631925516848332 3447+002	18	3,4231651855165893 1280+002
17	3,0632031422154067 8333+002	18	3,4231933371396854 2907+002	19	3,8031686760808575 7281+002
18	3,4232027211796747 9753+002	19	3,8031940051959365 4910+002	20	4,2031710663770853 7319+002
19	3,8132024482201564 9753+002	20	4,2031945775012678 8324+002	21	4,6231742477060867 0737+002
20	4,2132022145779283 5105+002	21	4,6231950715317654 9208+002	22	5,0631764914367911 0202+002
21	4,6232021213544520 8315+002	22	5,0631955094800429 402+002	23	5,5231784540123546 2085+002
22	5,0632014574718396 0851+002	23	5,5231958765534170 9513+002	24	6,0031801805472970 1511+002
23	5,5232016340255308 442+002	24	6,0031962069829677 9071+002	25	6,5031817074520327 5873+002
24	6,0032015491402 5563 5+002	25	6,5031964992055431 6798+002	26	7,0231830643740295 1282+002
25	6,5032014297994921 0119+002	26	7,0231967548955501 6994+002	27	7,5631842756518156 9447+002
26	7,0232013234354783 7130+002	27	7,5531969971123801 1156+002	28	8,1231853614167620 8596+002
27	7,5632012291703 7108 0845+002	28	8,1231971945055972 8939+002	29	8,7031863384369235 9305+002
28	8,1232011442306797 6113+002	29	8,7031973854878810 5136+002	30	9,3031872207697434 7166+002
29	8,7032010573421262 5341+002	30	9,3031975543485378 5976+002	31	9,9231880202715634 5465+002
30	9,3032009987900147 5153+002	31	9,9231977073567348 3935+002	32	1,0563188746998761 6704+003
31	9,9232009368777704 6155+002	32	1,0563197646437136 6027+003	33	1,1223189409526092 2410+003
32	1,0563200479585953 3203+003	33	1,1223197973230836 1047+003	34	1,1903190015201203 8990+003
33	1,1223200427600910 3603+003	34	1,1903198049144068 4121+003	35	1,2603190570349556 7682+003
34	1,1903200780459086 6907+003	35	1,2603198195387431 9631+003	36	1,3323191080440488 2161+003
35	1,2603200737000812 2009+003	36	1,3323198293007672 5327+003	37	1,4063191550222625 7944+003
36	1,3323200697197824 1985+003	37	1,4063198382913600 3589+003	38	1,4823191963834948 7741+003
37	1,4063200660471610 5222+003	38	1,4823198445897346 7316+003	39	1,5603192384898378 6394+003
38	1,4823200626505063 7645+003	39	1,5603198542651893 5599+003	40	1,6403192756591705 2328+003
39	1,5603200595237076 5614+003	40	1,6403198613785604 9518+003	41	1,7223193101714837 0882+003
40	1,6403200566184154 9044+003	41	1,7223198679834332 8207+003	42	1,8063193422741743 3405+003
41	1,7223200539200016 7060+003	42	1,8063198741271540 6926+003	43	1,8923193721866495 0310 5+003
42	1,8063200514115253 8035+003	43	1,8923198798516851 2028+003	44	1,9803194001033119 8590+003
43	1,8923200490734544 5329+003	44	1,9803198651943206 7430+003	45	2,0703194261982891 8440+003
44	1,9803200468913560 9272+003	45	2,0703198901882944 3753+003	46	2,1623194506265981 7228+003
45	2,0703200448516050 3559+003	46	2,1623198948653304 1802+003	47	2,2563194735272320 9058+003
46	2,1623200429422316 1519+003	47	2,2563198992459594 0671+003	48	2,3523194950249867 4167+003
47	2,2563200411522122 8594+003	48	2,3523199033601156 9668+003	49	2,4503195152321757 0987+003
48	2,3523200395718460 2695+003	49	2,4503199072272970 1690+003	50	2,5503195342500811 8996+003
49	2,4503200379423549 2110+003	50	2,5503199108668752 3552+003	51	2,6523195521702465 1164+003

PROLATE EIGENVALUES M = 0,90

M = 0		M = 1		M = 2	
L	EIGENVALUE	L	EIGENVALUE	L	EIGENVALUE
0	2,0053496[illegible]•001	1	2,15906455919904142471•000	2	6,11445798221722579240•000
1	2,4514697[illegible]•000	2	6,3446003272114790[illegible]•000	3	1,2268534095266915[illegible]•001
2	6,4306869[illegible]•000	3	1,2378833501494054481[illegible]•001	4	2,0325947301330354514[illegible]•001
3	1,2416191[illegible]•001	4	2,0389994466950960175[illegible]•001	5	3,0353240923349820451[illegible]•001
4	2,0411427[illegible]•001	5	3,0395197287982270647[illegible]•001	6	4,2368407819866191737[illegible]•001
5	3,0409203[illegible]•001	6	4,2398075330099709724[illegible]•001	7	5,6377731143914144617[illegible]•001
6	4,2407971[illegible]•001	7	5,6399841563667458529[illegible]•001	8	7,2383880986303191418[illegible]•001
7	5,6407214[illegible]•001	8	7,2401005708146377382[illegible]•001	9	9,0388154930509876140[illegible]•001
8	7,2406715[illegible]•001	9	9,0401814418422455091[illegible]•001	10	1,1039124737131705635[illegible]•002
9	9,0404363[illegible]•001	10	1,1040239942379226835[illegible]•002	11	1,3239355797593280117[illegible]•002
10	1,1040611[illegible]•002	11	1,3240283645943006141[illegible]•002	12	1,5639533029713376761[illegible]•002
11	1,3240522[illegible]•002	12	1,5640317164734255601[illegible]•002	13	1,8239671975490671321[illegible]•002
12	1,5640576[illegible]•002	13	1,8240343440739825749[illegible]•002	14	2,1039782937477456449[illegible]•002
13	1,8240567[illegible]•002	14	2,1040364423609596061[illegible]•002	15	2,4039872966980662712[illegible]•002
14	2,1040558[illegible]•002	15	2,4040381447465881560[illegible]•002	16	2,7239947023508322351[illegible]•002
15	2,4040550[illegible]•002	16	2,7240395450523276078[illegible]•002	17	3,0640008678434736870[illegible]•002
16	2,7240544[illegible]•002	17	3,0640407[illegible]•002	18	3,4240060556930748710[illegible]•002
17	3,0640539[illegible]•002	18	3,4240416917360391151[illegible]•002	19	3,8040104623892642002[illegible]•002
18	3,4240533[illegible]•002	19	3,8040425249332205029[illegible]•002	20	4,2040142373827867427[illegible]•002
19	3,8040532[illegible]•002	20	4,2040432386791393882[illegible]•002	21	4,6240174959902741837[illegible]•002
20	4,2040529[illegible]•002	21	4,6240438547839910969[illegible]•002	22	5,0640203283467119353[illegible]•002
21	4,6240526[illegible]•002	22	5,0640443992925086074[illegible]•002	23	5,5240228057317634565[illegible]•002
22	5,0640524[illegible]•002	23	5,5240448586834514062[illegible]•002	24	6,0040249851154063232[illegible]•002
23	5,5240522[illegible]•002	24	6,0040452707294009159[illegible]•002	25	6,5040269124738292334[illegible]•002
24	6,0040520[illegible]•002	25	6,5040456351239187636[illegible]•002	26	7,0240286252418222598[illegible]•002
25	6,5040518[illegible]•002	26	7,0240459589453622838[illegible]•002	27	7,5640301541495435813[illegible]•002
26	7,0240517[illegible]•002	27	7,5640462450042545593[illegible]•002	28	8,1240315246142344195[illegible]•002
27	7,5640516[illegible]•002	28	8,1240465071064771160[illegible]•002	29	8,7040327578060462508[illegible]•002
28	8,1240515[illegible]•002	29	8,7040467402548267788[illegible]•002	30	9,3040338714723996842[illegible]•002
29	8,7040514[illegible]•002	30	9,3040469508049486654[illegible]•002	31	9,9240348805814561965[illegible]•002
30	9,3040513[illegible]•002	31	9,9240471415867972684[illegible]•002	32	1,0564035797828699763[illegible]•003
31	9,9240512[illegible]•002	32	1,0564047315000866818[illegible]•003	33	1,1224036634038938163[illegible]•003
32	1,0564051154081[illegible]•003	33	1,1224047473093768665[illegible]•003	34	1,1904037398487698030[illegible]•003
33	1,1224051[illegible]•003	34	1,1904047617619222685[illegible]•003	35	1,2604038099159975560[illegible]•003
34	1,1904051[illegible]•003	35	1,2604047750086939[illegible]•003	36	1,3324038742959922839[illegible]•003
35	1,2604050[illegible]•003	36	1,3324047871802270[illegible]•003	37	1,4064039335881824526[illegible]•003
36	1,3324050[illegible]•003	37	1,4064047988985336004•003	38	1,4824039883150323829[illegible]•003
37	1,4064050[illegible]•003	38	1,4824048087363529768[illegible]•003	39	1,5604040389336061461[illegible]•003
38	1,4824050[illegible]•003	39	1,5604048183061407[illegible]•003	40	1,6404040858451535106[illegible]•003
39	1,5604050[illegible]•003	40	1,6404048271750755269[illegible]•003	41	1,7224041294030954405[illegible]•003
40	1,6404050[illegible]•003	41	1,7224048354097985[illegible]•003	42	1,8064041699197074689[illegible]•003
41	1,7224050[illegible]•003	42	1,8064048440699013[illegible]•003	43	1,8924042076717381213[illegible]•003
42	1,8064050[illegible]•003	43	1,8924048502071488659[illegible]•003	44	1,9804042429051520426[illegible]•003
43	1,8924050[illegible]•003	44	1,9804048566882309976[illegible]•003	45	2,0704042758391502998[illegible]•003
44	1,9804050[illegible]•003	45	2,0704048630945890348[illegible]•003	46	2,1624043066695910907[illegible]•003
45	2,0704050[illegible]•003	46	2,1624048689232533172[illegible]•003	47	2,2564043355719109392[illegible]•003
46	2,1624050[illegible]•003	47	2,2564048743873916353[illegible]•003	48	2,3524043627036280486[illegible]•003
47	2,2564050[illegible]•003	48	2,3524048795167835[illegible]•003	49	2,4504043882064947606[illegible]•003
48	2,3524050[illegible]•003	49	2,4504048843382312707[illegible]•003	50	2,5504044122083542336[illegible]•003
49	2,4504050[illegible]•003	50	2,5504048887590226689•003	51	2,6524044348247469044[illegible]•003

PROLATE EIGENVALUES H = 1,00

M = 0 L	M = 0 EIGENVALUE	M = 1 L	M = 1 EIGENVALUE	M = 2 L	M = 2 EIGENVALUE
0	3,19000055146892739784-001	1	2,19554835541300395688+000	2	6,14094899135769050915+000
1	2,59308457997714401550+000	2	6,42469914377513472003+000	3	1,23311015129920257994+001
2	6,53347130052379645149+000	3	1,24679153303914873025+001	4	2,04023530495188713150+001
3	1,25144621450940645093+001	4	2,04816960130531809116+001	5	3,04361453887136587895+001
4	2,05082743625709385572+001	5	3,04880657949448845572+001	6	4,24548891610704798408+001
5	3,05054046253221769329+001	6	4,24915779512822460656+001	7	5,64663980856690717215+001
6	4,25038181269575041594+001	7	5,64937297423518569733+001	8	7,24739839767938874786+001
7	5,65028445023971199234+001	8	7,24951466022967818605+001	9	9,04792532740391007370+001
8	7,25022027161684596522+001	9	9,04961302331647070972+001	10	1,10483064544958302719+002
9	9,05017568363145663763+001	10	1,10496841455143916956+002	11	1,32485911494203326710+002
10	1,10501434269115872618+002	11	1,32497372611392544646+002	12	1,56488094776860076428+002
11	1,32501193275106386288+002	12	1,56497779887899487128+002	13	1,82489806154212706884+002
12	1,56501008432831684544+002	13	1,82498099100641022327+002	14	2,10491172691770168997+002
13	1,82500863525132145273+002	14	2,10498353973073254067+002	15	2,40492281329076912912+002
14	2,10500747803994212135+002	15	2,40498560732643491055+002	16	2,72493193199432566337+002
15	2,40500653914128190699+002	16	2,72498730787744834503+002	17	3,06493952316362001041+002
16	2,72500576682831702764+002	17	3,06498872350731393221+002	18	3,42494591026960081526+002
17	3,06500512384659703005+002	18	3,42498991456452109165+002	19	3,80495133539080046828+002
18	3,42500458282326418446+002	19	3,80499092620841072015+002	20	4,20495598263119841975+002
19	3,80500412326427445140+002	20	4,20499179278073852105+002	21	4,62495999403159599989+002
20	4,20500372958345674344+002	21	4,62499254077543011172+002	22	5,06496348060575611529+002
21	4,62500336975468064025+002	22	5,06499319089811386428+002	23	5,52496653013789088844+002
22	5,06500309437801595877+002	23	5,52499375952109829767+002	24	6,00496921278457431724+002
23	5,52500283601994265429+002	24	6,00499425972856545512+002	25	6,50497158516065516671+002
24	6,00500260873927213936+002	25	6,50499470207885173461+002	26	7,02497369336081334787+002
25	6,50500240774132689739+002	26	7,02499509516812131297+002	27	7,56497557522239949744+002
26	7,02500222912219194973+002	27	7,56499544605247639377+002	28	8,12497726203983998429+002
27	7,56500206967714152730+002	28	8,12499576056774679517+002	29	8,70497877987749370551+002
28	8,12500192675552065995+002	29	8,70499604357436800699+002	30	9,30498015058500670724+002
29	8,70500179614958345738+002	30	9,30499629914676124979+002	31	9,92498139258982222461+002
30	9,30500168200852574659+002	31	9,92499653072114463460+002	32	1,05649825215210608715+003
31	9,92500157677137999026+002	32	1,05649967412118898259+003	33	1,12249835507045807568+003
32	1,05650014811141660508+003	33	1,12249969331036508038+003	34	1,19049844915587543145+003
33	1,12250013939080682601+003	34	1,19049971085261746195+003	35	1,26049853539130898653+003
34	1,19050013141857185944+003	35	1,26049972693117218103+003	36	1,33249861462664265450+003
35	1,26050012411144127597+003	36	1,33249974170452168488+003	37	1,40649868759974574435+003
36	1,33250011739741429829+003	37	1,40649975531025076979+003	38	1,48249875495373841207+003
37	1,40650011121397876505+003	38	1,48249976786827629310+003	39	1,56049881725122940870+003
38	1,48250010550664877951+003	39	1,56049977948350223447+003	40	1,64049887498611821936+003
39	1,56050010022775876432+003	40	1,64049979024802053666+003	41	1,72249892859342650582+003
40	1,64050009533546378706+003	41	1,72249980024294443399+003	42	1,80649897845752623662+003
41	1.72250009079290678880+003	42	1,80649980953994278565+003	43	1,89249902491905657855+003
42	1,80650008656752160502+003	43	1,89249981820252988472+003	44	1,98049906828076308769+003
43	1,89250008263044704[illegible]3+003	44	1,98049982628715429633+003	45	2,07049910881244695569+003
44	1,98050007895603225150+003	45	2.07049983384412173984+003	46	2,16249914675517604577+003
45	2,07050007552141744118+003	46	2,16249984091838031154+003	47	2,25649918232488095135+003
46	2,16250007230617717264+003	47	2,25649984755019102936+003	48	2,35249921571543663640+003
47	2,25650006929201570740+003	48	2,35249985377570245194+003	49	2,45049924710131208598+003
48	2,35250006646250594526+003	49	2,45049985962744474375+003	50	2,55049927663985582604+003
49	2,45050006380286495304+003	50	2,55049986513475584037+003	51	2,65249930447327340889+003

PROLATE EIGENVALUES H = 1.20

L	M = 0 EIGENVALUE	L	M = 1 EIGENVALUE	L	M = 2 EIGENVALUE
0	4.5072835339376850[illegible]187-001	1	2.27887554761639153261+000	2	6.20178917229191076015+000
1	2.84961068545907920031+000	2	6.60912767599025789283+000	3	1.24753838927742210978+001
2	6.7738652009789073[illegible]504+000	3	1.26744861670515625254+001	4	2.05792066409012632965+001
3	1.2742996819026841[illegible]750+001	4	2.06943744831390416830+001	5	3.06281967867304330815+001
4	2.0733049348028628[illegible]296+001	5	3.07033733611288149505+001	6	4.26552945233677133332+001
5	3.0728505362663865[illegible]763+001	6	4.27082951071455235457+001	7	5.667182378767[illegible]4298349+001
6	4.2729997635247363[illegible]739+001	7	5.67112980616744417935+001	8	7.26827261316393682539+001
7	5.6724465016749444[illegible]273+001	8	7.27132705679447867459+001	9	9.06902901419496091570+001
8	7.2723456035646572[illegible]987+001	9	9.07146377554008283486+001	10	1.10695756579270119862+002
9	9.0722755611471907[illegible]968+001	10	1.10715625226445368839+002	11	1.32699837385685025934+002
10	1.1072224917395465[illegible]829+002	11	1.32716362108061685742+002	12	1.56702965432288495080+002
11	1.3272187095592739[illegible]028+002	12	1.56716926795601611889+002	13	1.82705416479537592390+002
12	1.5672158094689904[illegible]652+002	13	1.82717369182460351921+002	14	2.10707373084015048690+002
13	1.8272135364362114[illegible]530+002	14	2.10717722276508186055+002	15	2.40708960061811919752+002
14	2.1072117215394566[illegible]934+002	15	2.40718008634713081649+002	16	2.72710265128528577119+002
15	2.4072102492332801[illegible]589+002	16	2.72718244103472983615+002	17	3.06711351405754385444+002
16	2.7272090382853906[illegible]357+002	17	3.06718440082970618055+002	18	3.42712265265496002609+002
17	3.0672080302206992[illegible]555+002	18	3.42718604546490712558+002	19	3.80713041400114401771+002
18	3.4272071820682251[illegible]062+002	19	3.80718744557269349409+002	20	4.20713706186282080680+002
19	3.80720646167218391722+002	20	4.20718864876589214314+002	21	4.62714279969438283575+002
20	4.2072058445792708[illegible]325+002	21	4.62718968376603479807+002	22	5.06714778647580050297+002
21	4.6272053119241763[illegible]533+002	22	5.06719058326468419616+002	23	5.52715214789846457541+002
22	5.06720484896295201492+002	23	5.52719136594387190111+002	24	6.00715598439871228630+002
23	5.5272044440374270[illegible]011+002	24	6.00719206192689245966+002	25	6.50715937701561349509+002
24	6.0072040678305972[illegible]062+002	25	6.50719267383601697964+002	26	7.02716239172174161072+002
25	6.5072037728240525[illegible]951+002	26	7.02719321757438099167+002	27	7.56716508266575930167+002
26	7.0272034928965774[illegible]378+002	27	7.56719370291134474805+002	28	8.12716749462862793999+002
27	7.5672032430235880[illegible]886+002	28	8.12719413792585285420+002	29	8.70716966490419296352+002
28	8.1272030190494252[illegible]579+002	29	8.70719452934586256439+002	30	9.30717162475338768263+002
29	8.7072028175129872[illegible]509+002	30	9.30719488281079519572+002	31	9.92717340053911638316+002
30	9.30720263551287869962+002	31	9.92719520307634422303+002	32	1.05671750146195442839+003
31	9.9272024706021598[illegible]298+002	32	1.05671954541756748640+003	33	1.12271764860568578394+003
32	1.05672023207054920601+003	33	1.12271957595473177353+003	34	1.19071778311838256851+003
33	1.12272021840533925760+003	34	1.19071960021373984597+003	35	1.26071790640598674016+003
34	1.1907202059129676[illegible]276+003	35	1.26071962244819268588+003	36	1.33271801968405968456+003
35	1.26072019446291421073+003	36	1.33271964287734717915+003	37	1.40671812400791110890+003
36	1.3327201839423287[illegible]825+003	37	1.40671966169155193985+003	38	1.48271822029730659933+003
37	1.4067201742532350[illegible]433+003	38	1.48271967905670488853+003	39	1.56071830935684105493+003
38	1.4827201653102384[illegible]344+003	39	1.56071969511792879510+003	40	1.64071839189282586171+003
39	1.5607201570386348[illegible]456+003	40	1.64071971000261779409+003	41	1.72271846852735548381+003
40	1.6407201493728439[illegible]206+003	41	1.72271972382297499684+003	42	1.80671853981007945557+003
41	1.7227201422551034[illegible]654+003	42	1.80671973667813611331+003	43	1.89271860622809790164+003
42	1.8067201356343761[illegible]611+003	43	1.89271974865595453082+003	44	1.98071866821431488739+003
43	1.89272012946543241093+003	44	1.98071975983450816973+003	45	2.07071872615451834609+003
44	1.98072012370807370733+003	45	2.07071977028337660583+003	46	2.16271878039340375538+003
45	2.0707201183264761[illegible]841+003	46	2.1627197806472764262+003	47	2.25671883123971793063+003
46	2.1627201132886310[illegible]120+003	47	2.25671978923424515399+003	48	2.35271887897066684465+003
47	2.2567201085658675[illegible]596+003	48	2.35271979784192416047+003	49	2.45071892383570542968+003
48	2.3527201041324432[illegible]406+003	49	2.45071980593275441988+003	50	2.55071896605980646382+003
49	2.4507200999651925[illegible]851+003	50	2.55071981354731005024+003	51	2.65271900584628880832+003

PROLATE EIGENVALUES H = 1.40

L (M = 0)	EIGENVALUE (M = 0)	L (M = 1)	EIGENVALUE (M = 1)	L (M = 2)	EIGENVALUE (M = 2)
0	6.000986431803801635327-001	1	2.37532482256615295801+000	2	6,27279642548792184331+000
1	3.14923929567187512891+000	2	6.82518342811044571711+000	3	1,26448073479067534163+001
2	7.06193260945823443976+000	3	1.29190511612525847263+001	4	2,07880444677682821570+001
3	1.30148358042176504456+001	4	2.09462834689981717132+001	5	3,08552723162747607804+001
4	2.09995933711309355123+001	5	3.09582647148434867039+001	6	4,28922147162975220002+001
5	3.09927263457783377290+001	6	4.29647475357431897671+001	7	5,69147638303980403295+001
6	4.29885674121389267887+001	7	5.69686817462052635366+001	8	7,29295696922682755255+001
7	5.69866710060100545123+001	8	7.29712576859573558551+001	9	9,09398272862429680379+001
8	7.29851611581395384371+001	9	9.09730394597035555652+001	10	1,10947232840862503728+002
9	9.09841138942121211311+001	10	1.10974324540802596155+002	11	1,32952757121943831916+002
10	1.10983357094815510000+002	11	1.32975282524711721742+002	12	1,56956989245746282646+002
11	1.32982792123590304373+002	12	1.56976016085591616738+002	13	1,82960303969347639631+002
12	1.56982359042333550587+002	13	1.82976590433588190701+002	14	2,10962949110577310583+002
13	1.82982019677035090177+002	14	2.10977048642115482954+002	15	2,40965093956877186641+002
14	2.10981748758547587826+002	15	2.40977420110952054962+002	16	2,72966857392743519822+002
15	2.40981529010434907876+002	16	2.72977725473680130827+002	17	3,06968324920334264000+002
16	2.72981348291331855585+002	17	3.06977979562900930838+002	18	3,42969559323681514045+002
17	3.06981157863807461894+002	18	3.42978193266005427693+002	19	3,80970607554903480581+002
18	3.42981071308669269773+002	19	3.80978374722465772445+002	20	4,20971505299859859092+002
19	3.80980963823298164434+002	20	4.20978530117112720255+002	21	4,62972280076720647092+002
20	4.20980871756088253065+002	21	4.62978664218211367625+002	22	5,06972953383020562179+002
21	4.62980792290280287392+002	22	5.06978780750135196878+002	23	5,52973542211360369397+002
22	5.06980723224759503967+002	23	5.52978882656354722577+002	24	6,00974060137529943521+002
23	5.52980662819233777771+002	24	6.00978972288177857995+002	25	6,50974518113656948663+002
24	6.00980609683037999718+002	25	6.50979051542288810406+002	26	7,02974925054418274574+002
25	6.50980562694050430211+002	26	7.02979121562379043151+002	27	7,56975288275837635238+002
26	7.02980520938743554922+002	27	7.56979184815206236567+002	28	8,12975613827589280968+002
27	7.56980483667296457599+002	28	8.12979241148184264281+002	29	8,70975906747371119453+002
28	8.12980450259591823954+002	29	8.70979291833460775090+002	30	9,30976171257567216020+002
29	8.70980420199180764023+002	30	9.30979337601990219013+002	31	9,92976410918700278538+002
30	9.30980393053149855274+002	31	9.92979379070117352524+002	32	1,05697662875019887329+003
31	9.92980368456408577192+002	32	1.05697941676049629685+003	33	1,12297682732620418427+003
32	1.05698034609932124366+003	33	1.12297945111968444931+003	34	1,19097700885214538745+003
33	1.12298032571789359006+003	34	1.19097948252640437288+003	35	1,26097717522637408957+003
34	1.19098030708597801955+003	35	1.26097951131221729876+003	36	1,33297732809010029163+003
35	1.26098029000870860578+003	36	1.33297953776017016293+003	37	1,40697746886810135113+003
36	1.33298027431788405133+003	37	1.40697956211684443512+003	38	1,48297759880210294366+003
37	1.40698025986729575054+003	38	1.48297958459713576491+003	39	1,56097771897830223579+003
38	1.48298024652955621807+003	39	1.56097960538901915283+003	40	1,64097783035017966595+003
39	1.56098023419322815208+003	40	1.64097962465749823699+003	41	1,72297793375749928923+003
40	1.64098022276048555492+003	41	1.72297964254789458250+003	42	1,80697802994220870626+003
41	1.72298021214516607562+003	42	1.80697965918860012495+003	43	1,89297811956180373930+003
42	1.80698020227114055834+003	43	1.89297967469339064981+003	44	1,98097820320060967415+003
43	1.89298019307094275248+003	44	1.98097968916337855428+003	45	2,07097828137934225380+003
44	1.98098018448461245634+003	45	2.07097970268866778500+003	46	2,16297835456324188865+003
45	2.07098017645871502199+003	46	2.16297971534976176864+003	47	2,25697842316901939059+003
46	2.16298016894550712998+003	47	2.25697972721876559916+003	48	2,35297848757080766655+003
47	2.25698016190227441215+003	48	2.35297973836041614747+003	49	2,45097854810527873137+003
48	2.35298015529047099495+003	49	2.45097974883296768482+003	50	2,55097860507605721773+003
49	2.45098014907569462946+003	50	2.55097975868895573084+003	51	2,65297865875753881080+003

PROLATE EIGENVALUES H = 1.60

L	M = 0 EIGENVALUE	L	M = 1 EIGENVALUE	L	M = 2 EIGENVALUE
0	7.64471910441289982177-001	1	2.48399414426724486883+000	2	6.35355710875727741379+000
1	3.49015870269784273477+000	2	7.07193276415864959226+000	3	1.28380396153876354269+001
2	7.39912534243108762308+000	3	1.32017202441943853509+001	4	2.10287928151379915036+001
3	1.33305056470778460126+001	4	2.12376861736178038442+001	5	3.11174135185701369950+001
4	2.13082656608052051387+001	5	3.12529546661897761341+001	6	4.31658478387822376523+001
5	3.12982672435789271722+001	6	4.32611002242174420290+001	7	5.71952985118429346781+001
6	4.32925245506638890670+001	7	5.72660090415338463437+001	8	7.32145879557346844785+001
7	5.72896080753874634195+001	8	7.32692098963256384918+001	9	9.12279292445702950827+001
8	7.32874301293771565377+001	9	9.12714180260505499686+001	10	1.11237949569220495980+002
9	9.12855206609006197116+001	10	1.11273007687632674537+002	11	1.33244719681845258229+002
10	1.11284830478646117204+002	11	1.33274191157872032995+002	12	1.57250209018686879650+002
11	1.33284016926266439295+002	12	1.57275096486522320178+002	13	1.83254506215979109950+002
12	1.57283353470287175896+002	13	1.83275804784716581759+002	14	2.11257933974229956114+002
13	1.83282905031084131780+002	14	2.11276369521392689108+002	15	2.41260712506581918183+002
14	2.11282515170738066677+002	15	2.41276827134813500531+002	16	2.73262996332647221075+002
15	2.41282159898239495370+002	16	2.73277203166659959813+002	17	3.07264896508417000235+002
16	2.73281939920220861449+002	17	3.07277515959362018199+002	18	3.43266494536549174549+002
17	3.07281722591364441702+002	18	3.43277778965523969361+002	19	3.81267851339203372831+002
18	3.43281540547695032967+002	19	3.81278002235519213735+002	20	4.21269013201927753234+002
19	3.81281385944528947668+002	20	4.21278193401808438700+002	21	4.63270015804569540140+002
20	4.21281253525232347405+002	21	4.63278358345858852812+002	22	5.07270887012669414026+002
21	4.63281113923552139638+002	22	5.07278501659623864011+002	23	5.53271648846877854052+002
22	5.07281039907605546590+002	23	5.53278626570940070298+002	24	6.01272318896198825374+002
23	5.53280953037150064878+002	24	6.01278737176896028634+002	25	6.51272911347680090769+002
24	6.01280876023118284178+002	25	6.51278834613791401093+002	26	7.03273437747182846467+002
25	6.51280609051004627800+002	26	7.03278921182658705905+002	27	7.57273907568662294174+002
26	7.03280749006515731868+002	27	7.57278998443158817404+002	28	8.13274328645166584500+002
27	7.57280655410946511381+002	28	8.13279067684647626398+002	29	8.71274707498677691081+002
28	8.13280647372232159910+002	29	8.71279129580548761278+002	30	9.31275049595063458596+002
29	8.71280604147473742974+002	30	9.31279186230371564935+002	31	9.93275359542977871254+002
30	9.31280565113961954462+002	31	9.93279237192483798828+002	32	1.05727564125033871565+003
31	9.93280529746564607126+002	32	1.05727928350989445474+003	33	1.12327589804851378216+003
32	1.05728049759992862138+003	33	1.12327932573070105224+003	34	1.19127613279147450308+003
33	1.12328046829435927115+003	34	1.19127936432442772056+003	35	1.26127634793565788540+003
34	1.19128044150453253762+003	35	1.26127939569517198119+003	36	1.33327654560463716681+003
35	1.26128041695040933352+003	36	1.33327943219225363045+003	37	1.40727672764184103322+003
36	1.33328039438987361224+003	37	1.40727946211889403427+003	38	1.48327689565377844896+003
37	1.40728037361273021474+003	38	1.48327948573933162516+003	39	1.56127705104567491122+003
38	1.48328035443578401223+003	39	1.56127951528468766025+003	40	1.64127719505100595944+003
39	1.56128033669877861497+003	40	1.64127953895782705304+003	41	1.72327732875609419735+003
40	1.64128032026103574484+003	41	1.72327956093740640999+003	42	1.80727745312069112395+003
41	1.72328030499865121275+003	42	1.80727958138126102807+003	43	1.89327756899527598938+003
42	1.80728029080215061743+003	43	1.89327960042925144994+003	44	1.98127767713565697951+003
43	1.89328027757451832297+003	44	1.98127961820566596599+003	45	2.07127777821534516623+003
44	1.98128026522953291418+003	45	2.07127963482125652827+003	46	2.16327787283608131397+003
45	2.07128025369035791028+003	46	2.16327965037497065839+003	47	2.25727796153682416596+003
46	2.16328024288834120288+003	47	2.25727966495543015989+003	48	2.35327804480145199667+003
47	2.25728023276199067356+003	48	2.35327967864219808498+003	49	2.45127812306538377825+003
48	2.35328022325609641322+003	49	2.45127969150686792251+003	50	2.55127819672128980536+003
49	2.45128021432097571562+003	50	2.55127970361400296335+003	51	2.65327826612403215671+003

PROLATE EIGENVALUES H = 1.80

M = 0: L	M = 0: EIGENVALUE	M = 1: L	M = 1: EIGENVALUE	M = 2: L	M = 2: EIGENVALUE
0	9.41200652748034985296-001	1	2.60392143659587408475+000	2	6,44361807194659755725+000
1	3.8702575701387648[illegible]047+000	2	7.34831473327230524396+000	3	1,30568772797777261405+001
2	7.7867249132561872[illegible]579+000	3	1.35225449035998676630+001	4	2,13011806687961719363+001
3	1.3692286182261439[illegible]605+001	4	2.15688710422504418199+001	5	3,14146595220008391058+001
4	2.1659504122891222[illegible]369+001	5	3.15874882065549902279+001	6	4,34762406350571238769+001
5	3.1645752640587882[illegible]890+001	6	4.35975426872384854102+001	7	5,75135190669761759599+001
6	4.3638096565562404[illegible]909+001	7	5.76034276925098882010+001	8	7,35378648359829678216+001
7	5.7633444394101891[illegible]238+001	8	7.36072446820796723638+001	9	9,15546701491098447313+001
8	7.3639392304235130[illegible]354+001	9	9.16098687861028022580+001	10	1,11566771474468467851+002
9	9.1628276944573736[illegible]347+001	10	1.11611753426254661560+002	11	1,33575781475095630200+002
10	1.1162675293773987[illegible]379+002	11	1.33613154098512291827+002	12	1,57582674074523191630+002
11	1.3362561476092827[illegible]014+002	12	1.57614224211629123560+002	13	1,83588066555785752741+002
12	1.5762474279596975[illegible]892+002	13	1.83615060609884010818+002	14	2,11592365960299867223+002
13	1.8362405979312134[illegible]729+002	14	2.11615726968915561491+002	15	2,41595849723439738414+002
14	2.1162351472330254[illegible]877+002	15	2.41616266595578224593+002	16	2,73598712329506052192+002
15	2.4162307271925946[illegible]817+002	16	2.73616709797482744403+002	17	3,07601093448321700141+002
16	2.7362270929464520[illegible]409+002	17	3.07617078311793262743+002	18	3,43603095515582532035+002
17	3.0762240483601283[illegible]397+002	18	3.43617388063796308794+002	19	3,81604795059235444887+002
18	3.4362215241656765[illegible]249+002	19	3.81617650940741421923+002	20	4,21606250194780114394+002
19	3.8162192635607872[illegible]479+002	20	4.21617875963359178756+002	21	4,63607505703958716166+002
20	4.2162175131073797[illegible]222+002	21	4.63618070078523113354+002	22	5,07608596549078671440+002
21	4.6362159160503713[illegible]332+002	22	5.07618238707078406468+002	23	5,53609550351029095477+002
22	5.0762145281163085[illegible]587+002	23	5.53618386129728075779+002	24	6,01610389166451986770+002
23	5.5362133214291785[illegible]528+002	24	6.01618515763538500745+002	25	6,51611130782007785375+002
24	6.0162122406023585[illegible]084+002	25	6.51618630363159743422+002	26	7,03611789670221619011+002
25	6.5162113024788905[illegible]127+002	26	7.03618732169335206748+002	27	7,57612377704478026490+002
26	7.0362104435506539[illegible]900+002	27	7.57618823019927514392+002	28	8,13612904700164412063+002
27	7.5762097147384720[illegible]859+002	28	8.13618904433906829901+002	29	8,71613378828685842102+002
28	8.1362090435759507[illegible]551+002	29	8.71618977675580116258+002	30	9,31613806937397532777+002
29	8.7162084396758781[illegible]669+002	30	9.31619043804205509898+002	31	9,93614194799135663119+002
30	9.3162078543473964[illegible]236+002	31	9.93619103712675648800+002	32	1,05761454730852233874+003
31	9.9362074002399735[illegible]614+002	32	1.05761915815794032993+003	33	1,12361486863764331695+003
32	1.0576206951133827[illegible]479+003	33	1.12361920778512622234+003	34	1,19161516236043692189+003
33	1.1236206541723164[illegible]664+003	34	1.19161925314680408099+003	35	1,26161543155278403481+003
34	1.1916206107461933[illegible]271+003	35	1.26161929471848867656+003	36	1,33361567887357922989+003
35	1.2616205824437021[illegible]955+003	36	1.33361933291119088968+003	37	1,40761590663080593092+003
36	1.3316205509265299[illegible]336+003	37	1.40761936808164609214+003	38	1,48361611683570543596+003
37	1.4076205219009739[illegible]585+003	38	1.48361940054069803539+003	39	1,56161631124743112539+003
38	1.4836204951110612[illegible]114+003	39	1.56161943056020902243+003	40	1,64161649141005187006+003
39	1.5616204703328767[illegible]980+003	40	1.64161945837878530611+003	41	1,72361665868334750627+003
40	1.6416204473698615[illegible]165+003	41	1.72361948420654442002+003	42	1,80761681426869180944+003
41	1.7236204260048857[illegible]533+003	42	1.80761950822910346483+003	43	1,89361695923052113947+003
42	1.8076204062170287[illegible]985+003	43	1.89361953061093058304+003	44	1,98161709451482261268+003
43	1.8936203877387087[illegible]054+003	44	1.98161955149817328165+003	45	2,07161722096453156594+003
44	1.9816203704934739[illegible]090+003	45	2.07161957102105492983+003	46	2,16361733933273476120+003
45	2.0716203543739734[illegible]493+003	46	2.16361958529591319924+003	47	2,25761745029392615489+003
46	2.1636203392842922[illegible]736+003	47	2.25761960642694032967+003	48	2,35361755445365078645+003
47	2.2576203251365195[illegible]068+003	48	2.35361962250737406262+003	49	2,45161765235679537107+003
48	2.3536203118595521[illegible]208+003	49	2.45161963762227926254+003	50	2,55161774449473841892+003
49	2.4516202993778884[illegible]802+003	50	2.55161965184665315884+003	51	2,65361783131153576727+003

PROLATE EIGENVALUES H = 2.00

M = 0		M = 1		M = 2	
L	EIGENVALUE	L	EIGENVALUE	L	EIGENVALUE
0	1.127734[illegible]4845971[illegible] [illegible]49+000	1	2.73411102561225562596+000	2	6,54249527439057051176+000
1	4.2871285439557961[illegible]002+000	2	7.65314956200356875433+000	3	1,32982504737825070463+001
2	8.225713[illegible]113589[illegible] 944+000	3	1.38814934165540159887+001	4	2,16051330374714851904+001
3	1.4130203[illegible]76205734 001+001	4	2.19401437189882644536+001	5	3,17470431989202158219+001
4	2.2054825773445497[illegible]192+001	5	3.19627389118843773230+001	6	4,38234869749922683837+001
5	3.203526[illegible]8925295 38[illegible]+001	6	4.39742885791683649955+001	7	5,78695270342950747743+001
6	4.402474744026319[illegible] 807+001	7	5.79811047061756554440+001	8	7,38994945722472835059+001
7	5.801817076484626[illegible] 40[illegible]+001	8	7.39854950112177278583+001	9	9,19201335801415863254+001
8	7.401419[illegible]53824[illegible]7 33[illegible]+001	9	9.19884996554587913175+001	10	1,11934971658428754179+002
9	9.2011304403[illegible]867[illegible] 45[illegible]+001	10	1.11990650571412399608+002	11	1,33946006297128664954+002
10	1.1200521925541422 071+002	11	1.33992246223956640159+002	12	1,57954440231570535313+002
11	1.3400766435476194 184+002	12	1.57993462553961106714+002	13	1,83961034052237874309+002
12	1.5800647340195050 603+002	13	1.83994412723534099040+002	14	2,11966288425738606280+002
13	1.8400554[illegible]734186[illegible]4 120+002	14	2.11995168640454687447+002	15	2,41970544132886872694+002
14	2.1200475[illegible]3018[illegible] 262+002	15	2.41995780296859684171+002	16	2,73974039800303367895+002
15	2.420041[illegible]11665224 738+002	16	2.73996282327149295904+002	17	3,07976946644887256607+002
16	2.7400365702486684 002+002	17	3.07996699529644865214+002	18	3,43979390146228698288+002
17	3.080032[illegible]41[illegible]921917 922+002	18	3.43997050047376045212+002	19	3,81981463989878027573+002
18	3.440029364[illegible]1071[illegible]4[illegible]367+002	19	3.81997347407363788851+002	20	4,21983239283644968048+002
19	3.820026420[illegible]63561 634+002	20	4.21997601864743130852+002	21	4,63984770796271076262+002
20	4.22002359[illegible]311173[illegible] 518+002	21	4.63997821310499302968+002	22	5,07986101270819081070+002
21	4.64002171[illegible]867[illegible]9[illegible]84 874+002	22	5.07998011697848036460+002	23	5,53987264463942106227+002
22	5.080019821861093[illegible] 877+002	23	5.53998178482863604299+002	24	6,01988287324217254797+002
23	5.5400181[illegible]0796[illegible]682+002	24	6.01998324539845679725+002	25	6,51989191577708731454+002
24	6.020016[illegible]959058[illegible]968+002	25	6.51998454390590327699+002	26	7,03989994898389389267+002
25	6.5200154[illegible]21518[illegible] 283+002	26	7.03998569373454189003+002	27	7,57990711783277067078+002
26	7.04001427[illegible]612650[illegible] 370+002	27	7.57998671569649598277+002	28	8,13991354214536198276+002
27	7.580013[illegible]86[illegible]22[illegible]89[illegible]+002	28	8.13998763898718631828+002	29	8,71991932165[illegible]67833780+002
28	8.1400123[illegible]01243[illegible] 271+002	29	8.71998844591501768979+002	30	9,31992453993710542565+002
29	8.7200115141[illegible]4644[illegible] 403+002	30	9.31998921246472617306+002	31	9,93992926742276351459+002
30	9.3200107[illegible]00474 224+002	31	9.93998988673639677118+002	32	1,05799335638346431068+003
31	9.94001006[illegible]94476[illegible]9 491+002	32	1.05799905032905799765+003	33	1,12399374800706068138+003
32	1.05800[illegible]19522[illegible] [illegible]14+003	33	1.12399910634217995053+003	34	1,19199410597279816895+003
33	1.1240008[illegible]2461043[illegible] 78[illegible]+003	34	1.19199915753769566185+003	35	1,26199443403240877019+003
34	1.1920054139866[illegible] [illegible]25+003	35	1.26199920445309731649+003	36	1,33399473542883039840+003
35	1.2620079459837[illegible] 147+003	36	1.33399924755289880244+003	37	1,40799501297678798960+003
36	1.3340075159852[illegible]369+003	37	1.40799928724021979680+003	38	1,48399526912894762866+003
37	1.4080071199837[illegible]391+003	38	1.48399932286627852480+003	39	1,56199550690304273605+003
38	1.4840067544848[illegible]819+003	39	1.56199935773821409871+003	40	1,64199572556396326631+003
39	1.5620064164346[illegible]259+003	40	1.64199938912556632533+003	41	1,72399592938751848611+003
40	1.64200613315052[illegible]735+003	41	1.72399941826567015773+003	42	1,80799611896574731919+003
41	1.72400581227027[illegible] 549+003	42	1.80799944536816781143+003	43	1,89399629559643591112+003
42	1.808005541706848 428+003	43	1.89399947061879979691+003	44	1,98199646043281613802+003
43	1.894005[illegible]89610745[illegible]727+003	44	1.98199949418260369152+003	45	2,07199661450247297373+003
44	1.982005[illegible]5437829[illegible] 543+003	45	2.07199951620662413622+003	46	2,16399675872342720684+003
45	2.07200483442475[illegible] 203+003	46	2.16399953682221762595+003	47	2,25799689391786585821+003
46	2.164004628561433 863+003	47	2.25799955614701991816+003	48	2,35399702082390557917+003
47	2.25800443557614[illegible] [illegible]05+003	48	2.35399957428663136827+003	49	2,45199714010570472068+003
48	2.35400425441646[illegible] 527+003	49	2.45199959133606550173+003	50	2,55199725236[illegible]6326946+003
49	2.45200406841[illegible]61 078+003	50	2.55199960738099810215+003	51	2,65399735813456953948+003

PROLATE EIGENVALUES H = 2.20

L	M = 0 EIGENVALUE	L	M = 1 EIGENVALUE	L	M = 2 EIGENVALUE
0	1.32173809315838835342+000	1	2.87355914567563482245+000	2	6.64968252561709567093+000
1	4.73808131949969600673+000	2	7.98514911810843761402+000	3	1.35622282315274617860+001
2	8.71665571686331835546+000	3	1.42784274306340082128+001	4	2.19403644671550112014+001
3	1.45560393643757276825+001	4	2.23518171360138003820+001	5	3.21145868048668379464+001
4	2.24938520683499596290+001	5	3.23784070766441360128+001	6	4.42076860816157872537+001
5	3.24673195670707075975+001	6	4.43915752345335768434+001	7	5.82634335192590419195+001
6	4.44531629497678049207+001	7	5.83997262156407593022+001	8	7.42995813921995121117+001
7	5.84446008386328025301+001	8	7.44041092720063226301+001	9	9.23244123978563292728+001
8	7.44390004725401477471+001	9	9.24074313031788639276+001	10	1.12342231524338506427+002
9	9.24351280440711839976+001	10	1.12409799977530725247+002	11	1.34355465277697483119+002
10	1.12432335405533507183+002	11	1.34411551189154447119+002	12	1.58365569772299173564+002
11	1.34430253620509360866+002	12	1.58412883881261052760+002	13	1.84373463476758380524+002
12	1.58428659492334213207+002	13	1.84413922377371319123+002	14	2.12379749786751793803+002
13	1.84427411311604581664+002	14	2.12414747790968993020+002	15	2.42384838765051925447+002
14	2.12426415488172960805+002	15	2.42415414955781187736+002	16	2.74389017192118165081+002
15	2.42425608145309009109+002	16	2.74415962061694117502+002	17	3.08392490625543332305+002
16	2.74424944452721548583+002	17	3.08416416391754783213+002	18	3.44395409585095551666+002
17	3.08424392183168168713+002	18	3.44416797870178173671+002	19	3.82397886372630311782+002
18	3.44423927680522418840+002	19	3.82417121329217446893+002	20	4.22400006175130541987+002
19	3.82423533258678360079+002	20	4.22417397598998497833+002	21	4.64401834572177032411+002
20	4.22423155478215490487+002	21	4.64417636511224719471+002	22	5.08403422721624472477+002
21	4.64422903977468316244+002	22	5.08417843590354017367+002	23	5.54404811010585013535+002
22	5.08422650662904363058+002	23	5.54418024538949406696+002	24	6.02406031670264918182+002
23	5.54422429137774252874+002	24	6.02418183584524401599+002	25	6.52407110678141830279+002
24	6.02422234292054745622+002	25	6.52418324131363751562+002	26	7.04408069161323738258+002
25	6.52422062003621536386+002	26	7.04418448945999661871+002	27	7.58408924445361257205+002
26	7.04421908917438437495+002	27	7.58418560295625059004+002	28	8.14409690847413933905+002
27	7.58421777228075436789+002	28	8.14418660052633483234+002	29	8.72410380282654713727+002
28	8.14421649815544016395+002	29	8.72418749774452034978+002	30	9.32411002732578356621+002
29	8.72421539627658497707+002	30	9.32418830765131110250+002	31	9.94411566610051866974+002
30	9.32421440127803348563+002	31	9.94418904123310312449+002	32	1.05841207904635242848+003
31	9.94421349976281865675+002	32	1.05841897077990297536+003	33	1.12441254611869547654+003
32	1.05842126803702462322+003	33	1.12441903152794570451+003	34	1.19241297303195741561+003
33	1.12442119334152930864+003	34	1.19241908704642274697+003	35	1.26241336426484403077+003
34	1.19242112506003907347+003	35	1.26241913791941745764+003	36	1.33441372368824338050+003
35	1.26242106247834562454+003	36	1.33441918465161071325+003	37	1.40841405466165605491+003
36	1.33442100497896607525+003	37	1.40841922768090216338+003	38	1.48441436011227663694+003
37	1.40842095202597298194+003	38	1.48441926738874946178+003	39	1.56241464259987584955+003
38	1.48442090315213259862+003	39	1.56241930410968551342+003	40	1.64241490437126004372+003
39	1.56242085794884786038+003	40	1.64241933813337193041+003	41	1.72441514740469703822+003
40	1.64242081605747453943+003	41	1.72441936972046951438+003	42	1.80841537344777471720+003
41	1.72442077716195180918+003	42	1.80841939909754735559+003	43	1.89441558404879118052+003
42	1.80842074098331958550+003	43	1.89441942646620648208+003	44	1.98241578058367684975+003
43	1.89442070727418992523+003	44	1.98241945200555856016+003	45	2.07241596427829567778+003
44	1.98242067581475243122+003	45	2.07241947587517247533+003	46	2.16441613622778510666+003
45	2.07242064640912697676+003	46	2.16441949821757987939+003	47	2.25841629741292090494+003
46	2.16442061888230330630+003	47	2.25841951916041360737+003	48	2.35441644871416015068+003
47	2.25842059307752783065+003	48	2.35441953881823921447+003	49	2.45241659092371205378+003
48	2.35442056885406444671+003	49	2.45241955729412897785+003	50	2.55241672475594703022+003
49	2.45242054608528941376+003	50	2.55241957468101895343+003	51	2.65441685085640051848+003

PROLATE EIGENVALUES M = 2.40

M = 0		M = 1		M = 2	
L	EIGENVALUE	L	EIGENVALUE	L	EIGENVALUE
0	1.521172447091929978620+000	1	3.021277325015517737410+000	2	6.764660070821810091030+000
1	5.220168396165949119810+000	2	8.342929436505626163350+000	3	1.384802447235676654880+001
2	9.259618C1050312648049•000	3	1.471308117591201049550+001	4	2.230657304746247169430+001
3	1.506128286307984921550+001	4	2.280419962923634938930+001	5	3.251729713172265963500+001
4	2.297777499820916791410+001	5	3.283501734073779538660+001	6	4.462894048805001332680+001
5	3.294239704292483808520+001	6	4.484966312372889499040+001	7	5.869535834667888967020+001
6	4.492366707819295502120+001	7	5.885799730378476581090+001	8	7.473823912708180218430+001
7	5.891237106053229549801+001	8	7.486325120189934796760+001	9	9.276760855142332864570+001
8	7.490459212450222708280+001	9	9.286679671889741424030+001	10	1.127886406749138001370+002
9	9.289996936536140669220•001	10	1.128693108219389919110+002	11	1.348042368230462480670+002
10	1.128962189611817603140+002	11	1.348711614174651196490+002	12	1.588161314088562098420+002
11	1.348934798169665604479•002	12	1.588725656305989389810+002	13	1.848254152872879466810+002
12	1.588913630979747889860+002	13	1.848736572570836878280+002	14	2.128328035049909066810+002
13	1.848857416721940427100+002	14	2.128745232725236750710+002	15	2.428387811455846244970+002
14	2.128864322789249492050+002	15	2.428752222011082320440+002	16	2.748436869758697011170+002
15	2.428873708232261338800+002	16	2.748757946512608990190+002	17	3.088477635359432640810+002
16	2.748864968302553905890+002	17	3.088762695457080451880+002	18	3.448511882568394931930+002
17	3.088857723114149978150+002	18	3.448766679530252918040+002	19	3.828540934133533386130+002
18	3.448851617281878697130+002	19	3.828770055244055850890+002	20	4.228565792755833998750+002
19	3.828846432881710863200+002	20	4.228772940888982767337•002	21	4.648587229903612075710+002
20	4.228841993174595125993•002	21	4.648775427250992058960+002	22	5.088605847094442797950+002
21	4.648838161878478090200+002	22	5.088777584959537900450+002	23	5.548622119000380614770+002
22	5.088834832566101583580+002	23	5.548779466494201694100+002	24	6.028636424296420783520+002
23	5.548831922113451955699•002	24	6.028781125631672475710+002	25	6.528649068085121456970+002
24	6.028829360395787697500+002	25	6.528782585557815201420+002	26	7.048660298430931435050+002
25	6.528827096155728824690+002	26	7.048783887378440139400+002	27	7.588670318710607364930+002
26	7.048825084307332901470+002	27	7.588785045802767144140+002	28	8.148679296948814509290+002
27	7.588823288656873372630+002	28	8.148786083399634293190+002	29	8.728687329525221728700+002
28	8.148821679278161886750+002	29	8.728787016437345866810+002	30	9.328694663818610615380+002
29	8.728820231252985853330+002	30	9.328787858530956123850+002	31	9.948701268225644534460+002
30	9.328818923697289261750+002	31	9.948788621145921581740+002	32	1.058870726980745088950+003
31	9.948817739001839211600+002	32	1.058878931399347761040+003	33	1.124871273982653519330+003
32	1.058816666223422769630+003	33	1.124878994534358393510+003	34	1.192871773930875876770+003
33	1.124815680664195754•003	34	1.192879052227453625010+003	35	1.262872232075997185790+003
34	1.192814783387216109•003	35	1.262879105087349810120+003	36	1.334872652955568687170+003
35	1.262812961016306461O•003	36	1.334879153639866928440+003	37	1.408873040507312545470+003
36	1.334811220543514947100+003	37	1.408879198341141953020+003	38	1.484873398161884979540+003
37	1.408810250959963071560+003	38	1.484879235588414867350+003	39	1.562873728919319281391+003
38	1.484810167370302215800+003	39	1.562879277728953213840+003	40	1.642874035412306865560+003
39	1.562810127337684138270+003	40	1.642879313067408612230+003	41	1.724874319958980157960+003
40	1.642810072299052161938•003	41	1.724879345871949431090+003	42	1.808874584606913454350+003
41	1.724810021180379731630+003	42	1.808879376379385441680+003	43	1.894874831170214247020+003
42	1.808809973640427153200+003	43	1.894879404799471190780+003	44	1.982875061260758306760+003
43	1.894809929345644129570+003	44	1.982879431318535263320+003	45	2.072875276314667203710+003
44	1.982809888007158592660+003	45	2.072879456102553564700+003	46	2.164875477614824524270+003
45	2.072809849367538042400+003	46	2.164879479299761947270+003	47	2.258875666310095606880+003
46	2.164809813196879979090+003	47	2.258879501042885492140+003	48	2.354875843431791294120+003
47	2.258809779288967394910+003	48	2.354879521451047451180+003	49	2.452876009907831846200+003
48	2.354809747459070598740+003	49	2.452879540631409431400+003	50	2.552876166574881609250+003
49	2.452809717540692202780+003	50	2.552879556805852390800+003	51	2.654876314189036473800+003

PROLATE EIGENVALUES   H = 2.60

M = 0 L	M = 0 EIGENVALUE	M = 1 L	M = 1 EIGENVALUE	M = 2 L	M = 2 EIGENVALUE
0	1.72433400465529326535+000	1	3,17631266809085381578+000	2	6,88690276530497856248+000
1	5,73022632975470474115+000	2	6,72502533423117493590+000	3	1,41548045741598103711+001
2	9,85411325272898967278+000	3	1,51850444107088962552+001	4	2,27033951879698013690+001
3	1,56174947500068273335+001	4	2,32975810752461509935+001	5	3,29551602263426753344+001
4	2,35075034265688366217+001	5	3,33329157103298844771+001	6	4,50873537054952512919+001
5	3,34610206828809373820+001	6	4,53488352055471611011+001	7	5,91654290927307892619+001
6	4,54366145553902446983+001	7	5,93576418049666312406+001	8	7,52155907755109715858+001
7	5,94219410528091119925+001	8	7,53630998102439371447+001	9	9,32498328641429391267+001
8	7,54123664363694051852+001	9	9,33667415778492066430+001	10	1,13274296798265165287+002
9	9,34057591038512190521+001	10	1,13369303087314274108+002	11	1,35292406551508094130+002
10	1,13400957118255478645+002	11	1,35371178091129678663+002	12	1,59306200244806345726+002
11	1,35397449484023673674+002	12	1,59372594302874406024+002	13	1,85316955604567988441+002
12	1,59394734082912259009+002	13	1,85373691479010039665+002	14	2,13325508072310547061+002
13	1,85392608656265922086+002	14	2,13374559532185417017+002	15	2,43332423285551132889+002
14	2,13390913371570069550+002	15	2,43375258572122577902+002	16	2,75338095639436382114+002
15	2,43389539223210889526+002	16	2,75375830089176137344+002	17	3,09342807135164505658+002
16	2,75388409752370599368+002	17	3,09376303507196908821+002	18	3,45346763850750271203+002
17	3,09387470019688905751+002	18	3,45376700183195683657+002	19	3,83350119279793482313+002
18	3,45386679711883259674+002	19	3,83377035934977906170+002	20	4,23352989689257585978+002
19	3,87386008698188288700+002	20	4,23377322687134051770+002	21	4,65355464476206044823+002
20	4,27385434088167055868+002	21	4,65377569571307413180+002	22	5,09357613305407074341+002
21	4,65384938237028765760+002	22	5,09377783678806717424+002	23	5,55359491124697671318+002
22	5,09384507364725180004+002	23	5,55377970586049030408+002	24	6,03361141751054506633+002
23	5,55384130581704590772+002	24	6,03378134728173024772+002	25	6,53362600475385862202+002
24	6,03383759189965242130+002	25	6,53378279669103826300+002	26	7,05363895981812743790+002
25	6,53383506173806868054+002	26	7,05378408299698848719+002	27	7,59365051780426878937+002
26	7,05383245823605371831+002	27	7,59378522985111008318+002	28	8,15366087289727025017+002
27	7,59383013454297219123+002	28	8,15378625675750588395+002	29	8,73367018663439928890+002
28	8,15382805192248403650+002	29	8,73378717991792910653+002	30	9,33367859428538766439+002
29	8,73382617812149962885+002	30	9,33378801288216299508+002	31	9,95368620982226542969+002
30	9,33382446109444811699+002	31	9,95378876705342860444+002	32	1,05936931298245938485+003
31	9,95382295309484329408+002	32	1,05937894520846766631+003	33	1,12536994345732365608+003
32	1,05938215597512235984+003	33	1,12537900761919258373+003	34	1,19337052005199877750+003
33	1,12538202896034841747+003	34	1,19337906464039473229+003	35	1,26337104822730535437+003
34	1,19338151285377218362+003	35	1,26337911687626794922+003	36	1,33537153342039908187+003
35	1,26338150644039601308+003	36	1,33537916484851951269+003	37	1,40937198017564625470+003
36	1,33538170867013525417+003	37	1,40937920900954372758+003	38	1,48537239245184580846+003
37	1,40938161863124503116+003	38	1,48537924975320134585+003	39	1,56337277371056402919+003
38	1,48538153552919675729+003	39	1,56337928742369012985+003	40	1,64337312698929347830+003
39	1,56338145866905235854+003	40	1,64337932232283880197+003	41	1,72537345496234630588+003
40	1,64338138744062374336+003	41	1,72537935471643467971+003	42	1,80937375999177861468+003
41	1,72538132213067821273+003	42	1,80937938483887268314+003	43	1,89537404417016952935+003
42	1,80938125979279897797+003	43	1,89537941289788521499+003	44	1,98337430935671149725+003
43	1,89538120247804592787+003	44	1,98337943907792507685+003	45	2,07337455720778158710+003
44	1,98338114898870770030+003	45	2,07337946354326446555+003	46	2,16537478920293820977+003
45	2,07338105899167227189+003	46	2,16537948644059024526+003	47	2,25937500666710959016+003
46	2,16538105218932299335+003	47	2,25937950790121765650+003	48	2,35537521078959879085+003
47	2,25938100831509342662+003	48	2,35537952804298531036+003	49	2,45337540264041703163+003
48	2,35538096712965886534+003	49	2,45337954697188289558+003	50	2,55337558318436628470+003
49	2,45338092841766060837+003	50	2,55337956478345386800+003	51	2,65537575329321890968+003

PROLATE EIGENVALUES M = 2.80

M = 0		M = 1		M = 2	
L	EIGENVALUE	L	EIGENVALUE	L	EIGENVALUE
0	1.929864599473793193405*000	1	3.337764337166298964520*000	2	7.015887617387852300860*000
1	6.264934117026503748200*000	2	9.129907012586301740440*000	3	1.448169247429350227560*001
2	1.049908827693758748600*001	3	1.569374993966982775230*001	4	2.313040140730519868010*001
3	1.692624417723288838590*001	4	2.383221717610014725910*001	5	3.342813574902971224300*001
4	2.408405506286338479151*001	5	3.387246583369328526310*001	6	4.558302788444011103070*001
5	3.402376571576846789430*001	6	4.588939615126683133020*001	7	5.967377998580857376860*001
6	4.599239454204144003930*001	7	5.989840206193975046820*001	8	7.573176801203622392300*001
7	5.997359374313842251930*001	8	7.590384925481322120740*001	9	9.377120479328348622710*001
8	7.596134613480022646960*001	9	9.390742400413402195720*001	10	1.137993055412245239060*002
9	9.395289614828831057950*001	10	1.139099085436118353000*002	11	1.358200672223439204250*002
10	1.139468107178813280932*002	11	1.359117111461659231250*002	12	1.598354577330284782930*002
11	1.359422784711003335825*002	12	1.599130634573142533410*002	13	1.858481561486125734037*002
12	1.599388101522335374684*002	13	1.859141055868369505330*002	14	2.138579269949930003420*002
13	1.859360558024706932144*002	14	2.139149266099529670660*002	15	2.438654216704035400870*002
14	2.139339310258514034458*002	15	2.439155855172283588970*002	16	2.758722936801576866390*002
15	2.439321764749220997650*002	16	2.759161227110492983510*002	17	3.098776667904987953500*002
16	2.759307234435248801654*002	17	3.099165666594022318180*002	18	3.458821773170399435060*002
17	3.099295347088728818230*002	18	3.459169375139881079800*002	19	3.838866010988943144410*002
18	3.459265257946630239980*002	19	3.839172516266181762700*002	20	4.238892712163346035260*002
19	3.839276692050001307730*002	20	4.239175191752426951560*002	21	4.658922089902612447140*002
20	4.239269357038980921350*002	21	4.659177492436491403550*002	22	5.098945368426988285210*002
21	4.659263022757241037836*002	22	5.099179485557462148150*002	23	5.558966747594151367960*002
22	5.099257527678638173820*002	23	5.559182238563145884600*002	24	6.038985537061988102210*002
23	5.559252724330688618594*002	24	6.039182745186713073600*002	25	6.539002139661659492240*002
24	6.039248488396748934980*002	25	6.539184095114905982890*002	26	7.059016882492291550710*002
25	6.539244748377252595112*002	26	7.059185288206846563330*002	27	7.599030034329006233810*002
26	7.059241425337367974680*002	27	7.599186352506806963370*002	28	8.159041816011742457240*002
27	7.599238459477511825620*002	28	8.159187304457373962190*002	29	8.739052411903549419510*002
28	8.159235601340212338480*002	29	8.739188159841862193380*002	30	9.339061976185344142030*002
29	8.739233497507507243010*002	30	9.339188931332592559650*002	31	9.959070638736149770050*002
30	9.339231250202327540350*002	31	9.959189629558356979484*002	32	1.059907850959450451750*003
31	9.959229293600467668920*002	32	1.059919026360527488980*003	33	1.125907856824917727324*003
32	1.059922751527426136770*003	33	1.125919084106051419760*003	34	1.193909223767171220540*003
33	1.125922589419391459310*003	34	1.193919136849981391680*003	35	1.263909824415648604470*003
34	1.193922441234076085840*003	35	1.263919185155010532830*003	36	1.335910376158107907710*003
35	1.263922306420950828600*003	36	1.335919225550670211643*003	37	1.409911088416848148855*003
36	1.335922180639384915120*003	37	1.409919276323586227274*003	38	1.485911352953564951262*003
37	1.409922065725662447970*003	38	1.485919307978653331940*003	39	1.563911786453707608610*003
38	1.485921559665623425240*003	39	1.563919342784980810600*003	40	1.643912188124184273483*003
39	1.563921866157221593164*003	40	1.643919375025000237561*003	41	1.725912561014646780297*003
40	1.643921770666751317090*003	41	1.725919404945564847960*003	42	1.809912907807141548940*003
41	1.725921686263475986460*003	42	1.809919432764244352870*003	43	1.895913230848937777550*003
42	1.809921607756592810847*003	43	1.895919456673708319670*003	44	1.983913532363448671060*003
43	1.895921534609026944440*003	44	1.983919480284501120130*003	45	2.073913814127343514410*003
44	1.983921466343855260900*003	45	2.073919505430443956080*003	46	2.165914077859841688540*003
45	2.073921402535847817280*003	46	2.165919526565954103180*003	47	2.259914325068435555770*003
46	2.165921342805145953460*003	47	2.259919546373208842550*003	48	2.355914557105794614590*003
47	2.259921286811523504080*003	48	2.355919564961360232440*003	49	2.453914775189283295730*003
48	2.355921234249524871750*003	49	2.453919582428560659000*003	50	2.553914980416296239740*003
49	2.453921184844228533848*003	50	2.553919598863268212310*003	51	2.655915173778415542220*003

PROLATE EIGENVALUES H = 3.00

M = 0		M = 1		M = 2	
L	EIGENVALUE	L	EIGENVALUE	L	EIGENVALUE
0	2.13673222616130130907+000	1	3.50479586758796733589+000	2	7.15110052408166207194+000
1	6.82088832866371818740+000	2	9.55599839843094041950+000	3	1.48277782137855425811+001
2	1.11929386495767844917+001	3	1.62384662276727397225+001	4	2.35870933318328495909+001
3	1.68890302201951784985+001	4	2.44083121734343071084+001	5	3.39361510702976332634+001
4	2.47085349301467324987+001	5	3.44540443775235223396+001	6	4.61160593532920145030+001
5	3.46312807985319417836+001	6	4.64716714064464803165+001	7	6.02205506638754453132+001
6	4.65914274968915765569+001	7	6.04805387738381075090+001	8	7.62869106356451836156+001
7	6.05676356669920951267+001	8	7.64857089520199542085+001	9	9.43318521629417320903+001
8	7.65521596944700855542+001	9	9.44890145725285955090+001	10	1.14363780369434333329+002
9	9.45414904770727491191+001	10	1.14491268129761907368+002	11	1.36387318657599337725+002
10	1.14533810275089280561+002	11	1.36492879240036842361+002	12	1.60405191629693098697+002
11	1.36528091953298603942+002	12	1.60494074106101056581+002	13	1.86419094397940312078+002
12	1.60522716861596294993+002	13	1.86494986548417638971+002	14	2.14430128771140198865+002
13	1.86520293353689971337+002	14	2.14495700136786334168+002	15	2.44439037248030909290+002
14	2.14517563295693163872+002	15	2.44496269392684163454+002	16	2.76446335596728215305+002
15	2.44515350767390315183+002	16	2.76496731193930543808+002	17	3.10452391471798734131+002
16	2.76513532441019021275+002	17	3.10497111257418309808+002	18	3.46457472862843555453+002
17	3.10512019736186660945+002	18	3.46497427964319500777+002	19	3.84461778953903205988+002
18	3.46510747675662867279+002	19	3.84497694788356844979+002	20	4.24465460350794451676+002
19	3.84509667707102956256+002	20	4.24497921764242116759+002	21	4.66468632676678288039+002
20	4.24508742952950890284+002	21	4.66498116510384553920+002	22	5.10471385915355565304+002
21	4.66507944991643219185+002	22	5.10498284896163483448+002	23	5.56473790960572762146+002
22	5.10507251630011703870+002	23	5.56498431505115207547+002	24	6.04475904289042235540+002
23	5.56506645332321220939+002	24	6.04498559960454206060+002	25	6.54477771348530396408+002
24	6.04506112093426913821+002	25	6.54498673157948318946+002	26	7.06479429050275865384+002
25	6.54505640617984612934+002	26	7.06498773435207982880+002	27	7.60480907626957455452+002
26	7.06505221714175343837+002	27	7.60498862696552893160+002	28	8.16482232034606193144+002
27	7.60504847840127132933+002	28	8.16498942506339914872+002	29	8.74483423072257729509+002
28	8.16504512760547770809+002	29	8.74499014159567876685+002	30	9.34484497956524332193+002
29	8.74504211284039833592+002	30	9.34499078735888905508+002	31	9.96485471463315175277+002
30	9.34503939060010021093+002	31	9.96499137141351582352+002	32	1.06048635593168246708+003
31	9.96503692470299424343+002	32	1.06049919014096962173+003	33	1.12648716191268093274+003
32	1.06050346825459967664+003	33	1.12649923838435675012+003	34	1.19448789843754831731+003
33	1.12650326391141312237+003	34	1.19449928242606956622+003	35	1.26448857327335433930+003
34	1.19450307711946984796+003	35	1.26449932274187437774+003	36	1.33648919312979416280+003
35	1.26450290592376743603+003	36	1.33649935974184773325+003	37	1.41048976382752376534+003
36	1.33650274863428351078+003	37	1.41049939378099764432+003	38	1.48649029043600739555+003
37	1.41050260378396844866+003	38	1.48649942516792887166+003	39	1.56449077738703433071+003
38	1.48650247009433742918+003	39	1.56449945417195429326+003	40	1.64449122856869647126+003
39	1.56450234644710412039+003	40	1.64449948102896355531+003	41	1.72649164740358137661+003
40	1.64450223186067283128+003	41	1.72649950594629166823+003	42	1.81049203691414208640+003
41	1.77650212547056049695+003	42	1.81049952910677807213+003	43	1.89649239977759389739+003
42	1.81050202651301495382+003	43	1.89649955067216673644+003	44	1.98449273837221420157+003
43	1.89650193431124653787+003	44	1.98449957078596701440+003	45	2.07449305481655142077+003
44	1.98450184826380702664+003	45	2.07449958957587100447+003	46	2.16649335100275842559+003
45	2.07450176783474140945+003	46	2.16649960715580442672+003	47	2.26049362862503623386+003
46	2.16650169254520990652+003	47	2.26049962362767327429+003	48	2.35649388920399142005+003
47	2.26050162196633455808+003	48	2.35649963908285682967+003	49	2.45449413410756505428+003
48	2.35650155571306995606+003	49	2.45449965360348834966+003	50	2.55449436456907413787+003
49	2.45450149343893385484+003	50	2.55449966726355729589+003	51	2.65649458170281227963+003

PROLATE EIGENVALUES H = 3,20

L	EIGENVALUE (M = 0)	L	EIGENVALUE (M = 1)	L	EIGENVALUE (M = 2)
0	2,34418683814873518548+000	1	3,67664328644100383355+000	2	7,29204207445992417663+000
1	7,39469181551243516736+000	2	1,00016968209424424247+001	3	1,51921258182103746522+001
2	1,19335461435536157958+001	3	1,68182953078675690945+001	4	2,40729020471797697041+001
3	1,76071886566550143562+001	4	2,50260004396666036533+001	5	3,44790952286187443723+001
4	2,53821968513014232138+001	5	3,50780353409642162522+001	6	4,66865383224540453876+001
5	3,57842520834304081549+001	6	4,70960060461719994561+001	7	6,08058847744832511294+001
6	4,72341712701280409151+001	7	6,11043305093156296762+001	8	7,68811659532406754872+001
7	6,12043973150299450089+001	8	7,71089030804045991377+001	9	9,49319108679604431966+001
8	7,71850614793731147207+001	9	9,51116962691239527072+001	10	1,14967842413493689545+002
9	9,51717417836694838820+001	10	1,15113533435418968155+002	11	1,36994267656713845542+002
10	1,15162158014150406148+002	11	1,37114809787853342322+002	12	1,61014295944219977204+002
11	1,37155024450691928092+002	12	1,61115734709278512703+002	13	1,87029853183762244622+002
12	1,61149567626023276447+002	13	1,87116427752812208875+002	14	2,15042186880130935515+002
13	1,87145298204071332394+002	14	2,15116961332802857953+002	15	2,45052135415898748081+002
14	2,15141894034110190775+002	15	2,45117381461458629292+002	16	2,77060279880493137425+002
15	2,45139135351993771623+002	16	2,77117718555559630387+002	17	3,11067033745459879088+002
16	2,77136868318327712858+002	17	3,11117993402745310050+002	18	3,47072697947939593117+002
17	3,11134982416002742462+002	18	3,47118220618373177319+002	19	3,85077495881279459149+002
18	3,47133396591107195269+002	19	3,85118410732321735253+002	20	4,25081596278143332786+002
19	3,85132050262739431398+002	20	4,25118571494028629729+002	21	4,67085128561509629759+002
20	4,25130897498852188364+002	21	4,67118708714101672408+002	22	5,11088193376985534336+002
21	4,67129902775745517159+002	22	5,11118826821908514000+002	23	5,57090869965100477856+002
22	5,11129038498831152254+002	23	5,57118929243916069109+002	24	6,05093221415067449427+002
23	5,57128282742514836260+002	24	6,05119018665918807902+002	25	6,55095298469835039395+002
24	6,05127618064391085417+002	25	6,55119097218285337013+002	26	7,07097142322600864371+002
25	6,55127030361360027507+002	26	7,07119166609088271298+002	27	7,61098786699730403826+002
26	7,07126508213438954923+002	27	7,61119228221278616974+002	28	8,17100259431242047665+002
27	7,61126042217984169244+002	28	8,17119283184625617949+002	29	8,75101583648290611075+002
28	8,17125624561548563020+002	29	8,75119332429667488934+002	30	9,35102778705737260613+002
29	8,75125248792215236818+002	30	9,35119376728653461623+002	31	9,97103860899755905946+002
30	9,35124909436397797139+002	31	9,97119416726954337712+002	32	1,06110484403099195603+003
31	9,97124602071335845287+002	32	1,06111945296740424560+003	33	1,12710573985018259623+003
32	1,06112432276970595429+003	33	1,12711948590934099890+003	34	1,19510655841349997594+003
33	1,12712406777636211983+003	34	1,19511951594362908228+003	35	1,26510730836795720672+003
34	1,19512383515995800302+003	35	1,26511954340460877852+003	36	1,33710799718219678953+003
35	1,26512362108350077072+003	36	1,33711956857967211282+003	37	1,41110863133430232348+003
36	1,33712342514035875147+003	37	1,41111959171699111486+003	38	1,48710921646555263874+003
37	1,41112324520185960601+003	38	1,48711961303179617453+003	39	1,56510975750700564125+003
38	1,48712307857431382428+003	39	1,56511963271150820299+003	40	1,64511025878426939560+003
39	1,56512292446385100833+003	40	1,64511965091995838243+003	41	1,72711072410465699478+003
40	1,64512278164691360837+003	41	1,72711966780087684145+003	42	1,81111115683003399659+003
41	1,72712264904599020031+003	42	1,81111968348079192955+003	43	1,89711155993798349201+003
42	1,81112252510897367678+003	43	1,89711969807145153192+003	44	1,98511193607338373708+003
43	1,89712241019239748925+003	44	1,98511971167185465100+003	45	2,07511228759207958342+003
44	1,98512230334652895604+003	45	2,07511972436996352906+003	46	2,16711261659800413677+003
45	2,07512220310339269800+003	46	2,16711973624415261158+003	47	2,26111292497485057398+003
46	2,16712210946600695996+003	47	2,26111974736443970391+003	48	2,35711321441319037180+003
47	2,26112207210000652201+003	48	2,35711975779353604613+003	49	2,45511348643377161171+003
48	2,35712193802540232492+003	49	2,45511976758774519311+003	50	2,55511374240760058246+003
49	2,45512186101023303686+003	50	2,55511977679773513755+003	51	2,65711398357330474490+003

PROLATE EIGENVALUES H = 3,40

M = 0		M = 1		M = 2	
L	EIGENVALUE	L	EIGENVALUE	L	EIGENVALUE
0	2,55171446829376466341+000	1	3,85261930101133567102+000	2	7,43823234840080215958+000
1	7,98304982174359600974+000	2	1,04653934718563902187+001	3	1,55737813881375039423+001
2	1,27183303971613575824+001	3	1,74321758847420577434+001	4	2,45871878882236140318+001
3	1,83817905363150054891+001	4	2,56853275548799186264+001	5	3,50568128940665267404+001
4	2,61063800196439328472+001	5	3,57448231476236078323+001	6	4,72945422478377942707+001
5	3,59834479779074244014+001	6	4,77627633673123989375+001	7	6,14299284022672506813+001
6	4,79211184706740978562+001	7	6,17700735765722975887+001	8	7,75146880909569254546+001
7	6,16842335563915393902+001	8	7,77736708766366793958+001	9	9,55715245466036304087+001
8	7,78653219131148661041+001	9	9,57756644510164782933+001	10	1,15611620300311190990+002
9	9,58438638446874430914+001	10	1,15776866383051832970+002	11	1,37641027903566395186+002
10	1,15832027509255769449+002	11	1,37777638908082147980+002	12	1,61663270885112844831+002
11	1,37823219851421439927+002	12	1,61778161170088037504+002	13	1,87680521032050935270+002
12	1,61616483746499744443+002	13	1,87778529007655393340+002	14	2,15694179752638316963+002
13	1,87811214207408830776+002	14	2,15778797005713379494+002	15	2,45705186007282955696+002
14	2,15807012898190288109+002	15	2,45778997892260637961+002	16	2,77714189006154327104+002
15	2,45803608546010490765+002	16	2,77779152153742146492+002	17	3,11721649767977790060+002
16	2,77900811077020957212+002	17	3,11779273092875290536+002	18	3,47727903280198664810+002
17	3,11798484024527488392+002	18	3,47779369625316487146+002	19	3,85733197867411183688+002
18	3,47796527315504943871+002	19	3,85779447893540820525+002	20	4,25737720873004011427+002
19	3,85794866191407264772+002	20	4,25779512233320738911+002	21	4,67741615850912467727+002
20	4,25793443861020548595+002	21	4,67779565771614085019+002	22	5,11744994339405898431+002
21	4,67792216617683568765+002	22	5,11779610807214475246+002	23	5,57747944089436192059+002
22	5,11791150316023566593+002	23	5,57779649059382976611+002	24	6,05750534920460174666+002
23	5,57790217901455421229+002	24	6,05779681834024001194+002	25	6,55752822956483148443+002
24	6,05789397814401660773+002	25	6,55779710137078607506+002	26	7,07754853736068289634+002
25	6,55788672846215537480+002	26	7,07779734753370041008+002	27	7,61756664526612518621+002
26	7,07788028675650384074+002	27	7,61779756302375059428+002	28	8,17758286067837346758+002
27	7,61787453760507904203+002	28	8,17779775278297176347+002	29	8,75759743900214073994+002
28	8,17786938529138050073+002	29	8,75779792079277903613+002	30	9,35761059367742769634+002
29	8,75786474976019907026+002	30	9,35779807028974417722+002	31	9,97762250513035361756+002
30	9,35786056349269547626+002	31	9,97779820392694955444+002	32	1,06176333250094393407+003
31	9,97765677116901156344+002	32	1,06177983238960230816+003	33	1,12776431831179193915+003
32	1,06178533242504374281+003	33	1,12777984320204136814+003	34	1,19576521903451077153+003
33	1,12778501822586641248+003	34	1,19577985298273881327+003	35	1,26576604420227489326+003
34	1,19578473101607264235+003	35	1,26577986186041148345+003	36	1,33776680204764152176+003
35	1,26578446776901131173+003	36	1,33777986994417274048+003	37	1,41176749971010970238+003
36	1,33778422571456583903+003	37	1,41177987732702231949+003	38	1,48776814340598877884+003
37	1,41178400322989243228+003	38	1,48777988408863119213+003	39	1,56576873856820953406+003
38	1,48778379777559959144+003	39	1,56577989029757964384+003	40	1,64576928996201315925+003
39	1,56578360776304315922+003	40	1,64577989601316795156+003	41	1,72776980178115513728+003
40	1,64578343198276617597+003	41	1,72777990128689051954+003	42	1,81177027772835664655+003
41	1,72778326760538457074+003	42	1,81177990616364317206+003	43	1,89777072108269823405+003
42	1,81178311595649995350+003	43	1,89777991068271747437+003	44	1,98577113475662312789+003
43	1,89778297319522274804+003	44	1,98577991487862401839+003	45	2,07577152134405936820+003
44	1,98578284159684609720+003	45	2,07577991878177754005+003	46	2,16777188316137032396+003
45	2,07578271773727093971+003	46	2,16777992241906979306+003	47	2,26177222228227927403+003
46	2,16778260217994291519+003	47	2,26177992581435075358+003	48	2,35777254056776837368+003
47	2,26178249376527615472+003	48	2,35777992898883457885+003	49	2,45577283969176248547+003
48	2,35778239170323414526+003	49	2,45577993196144350190+003	50	2,55577312116326410822+003
49	2,45578229605707218157+003	50	2,55577993474910029959+003	51	2,65777338634548938322+003

PROLATE EIGENVALUES H = 3,60

M = 0		M = 1		M = 2	
L	EIGENVALUE	L	EIGENVALUE	L	EIGENVALUE
0	2,758984074[illegible]3055662960+000	1	4,03211405065209185937+000	2	7,58921468927865919840+000
1	8,5828648019152[illegible]116393+000	2	1,09454939756244331128+001	3	1,59717812551579809992+001
2	1,354430877[illegible]1860889110+001	3	1,80788912908567337616+001	4	2,51292416950709967548+001
3	1,921354129[illegible]2133315163+001	4	2,63862316137595024266+001	5	3,56690985012683250293+001
4	2,688252833[illegible]208[illegible]051014+001	5	3,64547843740327680517+001	6	4,79401333561332921310+001
5	3,672970458[illegible]4770606409+001	6	4,84723231475967110713+001	7	6,20928283075669146563+001
6	4,865280056[illegible]5877609526+001	7	6,24780815389552617700+001	8	7,81876372267795128004+001
7	6,260752416[illegible]360[illegible]432705+001	8	7,84802663227929642731+001	9	9,62508442192828028731+001
8	7,857822968[illegible]948[illegible]629723+001	9	9,64811268052082536924+001	10	1,16295249968668224600+002
9	9,655808461[illegible]7996110414+001	10	1,16481439210659177451+002	11	1,38327719865583986184+002
10	1,165436037[illegible]3659466954+002	11	1,38481511437237728264+002	12	1,62352222801523517999+002
11	1,385328314[illegible]8897208144+002	12	1,62481476830899410333+002	13	1,88371191940485518549+002
12	1,62524594400[illegible]00647472+002	13	1,88481396536964496666+002	14	2,16386190752698900750+002
13	1,885161515[illegible]7025628586+002	14	2,16481299549576547919+002	15	2,46398263276603150235+002
14	2,165130153[illegible]5611415894+002	15	2,46481199758798693816+002	16	2,78408129421896327041+002
15	2,465088537[illegible]6002708221+002	16	2,78481103685891785681+002	17	3,12416299279131704816+002
16	2,7850543419100[illegible]004474+002	17	3,12481014170999641724+002	18	3,48423142810769261264+002
17	3,12502589795781872317+002	18	3,48480932199108236654+002	19	3,86428933845148499643+002
18	3,48500198163058309093+002	19	3,86480857829812120125+002	20	4,26433878696575157619+002
19	3,864981678[illegible]4880066884+002	20	4,26480790679569185598+002	21	4,68438135279257296399+002
20	4,26496429515513628927+002	21	4,68480730173897454737+002	22	5,12441826171217205927+002
21	4,68494929596781296923+002	22	5,12480675678652050455+002	23	5,58445047728433353796+002
22	5,12493626307750192374+002	23	5,58480626566764606822+002	24	6,06447876561267298957+002
23	5,584924868[illegible]3930096163+002	24	6,06480582250265673670+002	25	6,56450374213264103095+002
24	6,06491484654212774866+002	25	6,56480542193655014077+002	26	7,08452590592235997295+002
25	6,564905985[illegible]5021858627+002	26	7,08480505917389595069+002	27	7,62454566520840403759+002
26	7,08489811340695227787+002	27	7,62480472996313255998+002	28	8,18456335656339189401+002
27	7,62489108739600802300+002	28	8,18480443055683881319+002	29	8,76457925952137779977+002
28	8,18488479057920350710+002	29	8,76480415766248451541+002	30	9,36459360782229897065+002
29	8,76487912535205938523+002	30	9,36480390839141172989+002	31	9,98460659814739297858+002
30	9,36487400992320236265+002	31	9,98480368021000876173+002	32	1,06246183969668154321+003
31	9,98486937533478142469+002	32	1,06248034708949203856+003	33	1,12846291459525529205+003
32	1,06248651631179371923+003	33	1,12848032784929699928+003	34	1,19646389662907535422+003
33	1,128486132[illegible]4337154034+003	34	1,19648031012658435146+003	35	1,26646479621424019095+003
34	1,19648578135875516609+003	35	1,26648029377592677246+003	36	1,33846562234395758705+003
35	1,26648545968339209806+003	36	1,33848027865762724084+003	37	1,41246638281593868120+003
36	1,33848516414081032606+003	37	1,41248026465540792236+003	38	1,48846708441843594397+003
37	1,41248489197370279289+003	38	1,48848025166441649813+003	39	1,56646773308331452256+003
38	1,48848464077923020352+003	39	1,56648023959150777606+003	40	1,64646833401267679465+003
39	1,56648440845568669151+003	40	1,64648022835376260847+003	41	1,72846889178414266319+003
40	1,64648419315830247657+003	41	1,72848021787721062199+003	42	1,81246941043880544750+003
41	1,72848399326243664208+003	42	1,81248020809572762009+003	43	1,89846989355505018994+003
42	1,81248380733276025697+003	43	1,89848019895008253125+003	44	1,98647034431077584879+003
43	1,89848363409747337206+003	44	1,98648019038711236295+003	45	2,07647076553605965270+003
44	1,986483472[illegible]2625951246+003	45	2,07648018235900676431+003	46	2,16647115975790711661+003
45	2,07648332131197334723+003	46	2,16848017482268652005+003	47	2,26247152923841968623+003
46	2,16848317985479253212+003	47	2,26248016773926263137+003	48	2,35847187600746476337+003
47	2,26248304724879174652+003	48	2,35848016107356462931+003	49	2,45647220189073564287+003
48	2,35848292277042205447+003	49	2,45648015479372845761+003	50	2,55647250853393075570+003
49	2,45648280576860675211+003	50	2,55648014887083569603+003	51	2,65847279742365419979+003

PROLATE EIGENVALUES H = 3,80

M = 0		M = 1		M = 2	
L	EIGENVALUE	L	EIGENVALUE	L	EIGENVALUE
0	2,96580102291963611003+000	1	4,21459305743263925259+000	2	7,74455847496324956814+000
1	9,19132013870643414867+000	2	1,14404383201424234980+001	3	1,63851600479007969931+001
2	1,44081612879854095605+001	3	1,87570817812146406451+001	4	2,56982875072240409565+001
3	2,01026903765822142339+001	4	2,71285255981590926254+001	5	3,63156907279332034127+001
4	2,77121639811551446266+001	5	3,72082780098624283061+001	6	4,86233540449723666095+001
5	3,75239355308430355093+001	6	4,92250794865280626118+001	7	6,27947299591027082503+001
6	4,94297889584690994942+001	7	6,32286847809374992363+001	8	7,89001787355993436274+001
7	6,33746744419257947844+001	8	7,92289580630470056983+001	9	9,69700278901911206643+001
8	7,93390919830304117194+001	9	9,72283033067710814707+001	10	1,17018874467826492873+002
9	9,73146463389203103908+001	10	1,17227434455384585430+002	11	1,39054470684473873270+002
10	1,17297083118288126751+002	11	1,39226580918243026547+002	12	1,63081264120388382244+002
11	1,39284021923813653078+002	12	1,63225812469905817703+002	13	1,89101955377993628013+002
12	1,63274036684300490939+002	13	1,89225142979506491613+002	14	2,17118308152920675906+002
13	1,89266227547356198609+002	14	2,17224566943954009950+002	15	2,47131445883858759034+002
14	2,17260002692015504252+002	15	2,47224073039327514621+002	16	2,79142171538940932023+002
15	2,47254959386715704914+002	16	2,79223649188779862385+002	17	3,13151045594790651701+002
16	2,79250815601567090831+002	17	3,13223284350867622487+002	18	3,49158473729009726919+002
17	3,13247368929918899481+002	18	3,49222969018417547910+002	19	3,87164755690161006525+002
18	3,49244470989310624758+002	19	3,87222695221656753995+002	20	4,27170116993966337725+002
19	3,87242010958401343206+002	20	4,27222456358929768337+002	21	4,69174730037146749970+002
20	4,27239904695707937298+002	21	4,69222246986073936467+002	22	5,13178728496308752222+002
21	4,69238087374208773065+002	22	5,13222062615120730875+002	23	5,59182217354219417776+002
22	5,13236508385161104968+002	23	5,59221899539204771437+002	24	6,07185280012513606233+002
23	5,59235127749710226770+002	24	6,07221754686674544373+002	25	6,57187983422663624832+002
24	6,07233913543793887506+002	25	6,57221625502090642160+002	26	7,09190381843811087909+002
25	6,57232840024147078063+002	26	7,09221509850158936679+002	27	7,63192519633060478218+002
26	7,09231886244400755188+002	27	7,63221405938518924054+002	28	8,19194433343539774684+002
27	7,63231035020059870299+002	28	8,19221312255742453904+002	29	8,77196153320237959397+002
28	8,19230272145138243925+002	29	8,77221227521485858343+002	30	9,37197704926777010668+002
29	8,77229585792972834775+002	30	9,37221150646311964912+002	31	9,99199109497752037765+002
30	9,37228966053145278528+002	31	9,99221080699198178070+002	32	1,06320038508476985762+003
31	9,99228404570346122063+002	32	1,06322101688115980307+003	33	1,12920154704562578263+003
32	1,06322789426027228259+003	33	1,12922095850374976495+003	34	1,19720260851458988201+003
33	1,12922742908432542656+003	34	1,19722090497145873164+003	35	1,26720358077682575175+003
34	1,19722700386959380044+003	35	1,26722085576724611299+003	36	1,33920447357440243904+003
35	1,26722661416400030574+003	36	1,33922081044059396861+003	37	1,41320529535241687959+003
36	1,33922625611897482249+003	37	1,41322076859760214693+003	38	1,48920605346129511087+003
37	1,41322592639382859706+003	38	1,48922072989274176302+003	39	1,56720675432302192817+003
38	1,48922562207735898764+003	39	1,56722069402196153599+003	40	1,64720740356860571536+003
39	1,56722534062322386852+003	40	1,64722066071690232931+003	41	1,72920800615233744521+003
40	1,64722507979638813798+003	41	1,72922062974002317453+003	42	1,81320856644722123955+003
41	1,72922483762852532837+003	42	1,81322060088047997001+003	43	1,89920908832504522623+003
42	1,81322461238070223168+003	43	1,89922057395062813944+003	44	1,98720957522385786296+003
43	1,89922440251201780727+003	44	1,98722054878304451172+003	45	2,07721003020506656841+003
44	1,98722420665313437152+003	45	2,07722052522798286158+003	46	2,16921045600194550813+003
45	2,07722402358384758685+003	46	2,16922050315119294875+003	47	2,26321085506100019881+003
46	2,16922385221400575090+003	47	2,26322048243204530487+003	48	2,35921122957736754133+003
47	2,26322369156721858423+003	48	2,35922046296191405943+003	49	2,45721158152521532780+003
48	2,35922354076689885134+003	49	2,45722044464277825111+003	50	2,55721191268393328335+003
49	2,45722339902426259173+003	50	2,55722042738600871887+003	51	2,65921222466076917672+003

PROLATE EIGENVALUES H = 4,00

L	M = 0 EIGENVALUE	L	M = 1 EIGENVALUE	L	M = 2 EIGENVALUE
0	3,1720674229746079178+000	1	4,39959306716550610460+000	2	7,90386094960177934103+000
1	9,86594384098883925243+000	2	1,19487193838235199217+001	3	1,68129585075664979275+001
2	1,5306299961890920295+001	3	1,94652605398663018170+001	4	2,62934866181611183053+001
3	2,10489606494282551947+001	4	2,79118816815852959602+001	5	3,69962675008479300216+001
4	2,85968547346731025320+001	5	3,80056342033554609182+001	6	4,93442222843697206430+001
5	3,83671379169711057410+001	6	5,00214381281405099034+001	7	6,35357753434877069234+001
6	5,02526977521215587909+001	7	6,40222299644030492619+001	8	7,96524822373246331374+001
7	6,41861159754103890455+001	8	8,00200292670794904112+001	9	9,77292401081894085442+001
8	8,01432348052342017667+001	9	9,80174261761923839212+001	10	1,17782643737819265885+002
9	9,8113805580542828802+001	10	1,18015044938286634060+002	11	1,39821414058064239730+002
10	1,18092673617222533903+002	11	1,40013009594547390127+002	12	1,63850513278941086070+002
11	1,40076963441482273151+002	12	1,64011306298760418901+002	13	1,89872946244230068783+002
12	1,64064955626891972735+002	13	1,90009887387849191433+002	14	2,17890625109111936097+002
13	1,90055565967430984236+002	14	2,18008702753553812638+002	15	2,47904816878169328950+002
14	2,18044082019631607608+002	15	2,48007708616543248803+002	16	2,79916389720538627798+002
15	2,48042019018775913595+002	16	2,80068690385357564330+002	17	3,13925955599353829240+002
16	2,80037037721255598936+002	17	3,14006155211827483081+002	18	3,49933956457175831496+002
17	3,14032894522917231524+002	18	3,50005544226677169470+002	19	3,87940718217127764139+002
18	3,56029411193061393205+002	19	3,88005017872372203788+002	20	4,27946485691415625710+002
19	3,85026454222071853626+002	20	4,28004561626311728111+002	21	4,69951445769350520356+002
20	4,28023922544320942965+002	21	4,70004163847454219675+002	22	5,13955743192303390813+002
21	4,70021738233740891186+002	22	5,14003815147984521537+002	23	5,59959491515009108411+002
22	5,14019840444914842978+002	23	5,60003507907772381156+002	24	6,07962780867285278696+002
23	5,60018181033996390722+002	24	6,08003235901841162168+002	25	6,57965683544148186072+002
24	6,08016721622677257782+002	25	6,58002994011231587377+002	26	7,09968258094085541088+002
25	6,5801543144127679401+002	26	7,10002778000383088683+002	27	7,63970552350879743051+002
26	7,10014285118760566922+002	27	7,64002584343336897616+002	28	8,19972605710715746386+002
27	7,6401326209701777799+002	28	8,20002410088069102080+002	29	8,77974450862465567308+002
28	8,2001234510751343994+002	29	8,78002252748964343633+002	30	9,37976115116613903152+002
29	8,78011520296059668280+002	30	9,38002110222522354904+002	31	9,99977621436061204408+002
30	9,38010775443332232046+002	31	1,00000198071951873044+003	32	1,06397898924303458023+003
31	1,00001019004965639666+003	32	1,06400186271085615645+003	33	1,12998023505612928861+003
32	1,06400948733995402570+003	33	1,13000175488384940583+003	34	1,19798137299723999571+003
33	1,13000892877613040414+003	34	1,19800165610676680673+003	35	1,26798241519794997018+003
34	1,19800841724060716242+003	35	1,26800156539991189982+003	36	1,33998337212758229029+003
35	1,26800794898249391472+003	36	1,34000148191191521599+003	37	1,41398425285973934386+003
36	1,34000751875990000631+003	37	1,41400140490019953572+003	38	1,48998506529019066143+003
37	1,41400712220585614533+003	38	1,49000133371480613633+003	39	1,56798581631601672615+003
38	1,49000675627317960779+003	39	1,56800126778494169868+003	40	1,64798651198369948676+003
39	1,56800641811755236195+003	40	1,64800120660773851196+003	41	1,72998715761217195207+003
40	1,64800617452679904318+003	41	1,73000114973882386939+003	42	1,81398775789555877251+003
41	1,73000581351292972955+003	42	1,81400109678437515703+003	43	1,89998831698935563618+003
42	1,8140055430820738816+003	43	1,90000104739440039900+003	44	1,98798883858303377122+003
43	1,90000529088675266266+003	44	1,98800100125703392085+003	45	2,07798932596146265430+003
44	1,98800505590262934831+003	45	2,07800095809367634762+003	46	2,16998978205707908104+003
45	2,07800483558935458078+003	46	2,17000091765483965743+003	47	2,26399020949436416977+003
46	2,17000462953081490387+003	47	2,26400087971658322217+003	48	2,35999061062789920746+003
47	2,26400443647144529642+003	48	2,36000084407744703084+003	49	2,45799098757503954233+003
48	2,36000425523975222397+003	49	2,45800081055580465071+003	50	2,55799134224406007533+003
49	2,45800404449374008474+003	50	2,55800077898757174414+003	51	2,65999167635847642073+003

PROLATE EIGENVALUES M = 4,20

M = 0		M = 1		M = 2	
L	EIGENVALUE	L	EIGENVALUE	L	EIGENVALUE
0	3,377750633[illegible]•000	1	4,586716455387953263 67•000	2	8,066748207590008348254•000
1	1,042464618[illegible]•001	2	1,246889934843331288 18•001	3	1,725423089526191937 89•001
2	1,623494340[illegible]•001	3	2,020183271628060935 66•001	4	2,691394286960075398 59•001
3	2,205150413[illegible]•001	4	2,873581829331792706 45•001	5	3,771044170849859615 63•001
4	2,953816715[illegible]•001	5	3,884714152568504713 35•001	6	5,010272676124806445 27•001
5	3,926039779[illegible]•001	6	5,086181315161928736 82•001	7	6,431610053500640740 26•001
6	5,112218678[illegible]•001	7	6,485907936916896636 42•001	8	8,044472053731008166 31•001
7	6,504230758[illegible]•001	8	8,085377747644533211 81•001	9	9,852865148271777945 68•001
8	8,099100327[illegible]•001	9	9,884873983564102874 60•001	10	1,185867143698439476 92•002
9	9,895583399[illegible]•001	10	1,188444737504913501 41•002	11	1,406286901126516003 69•002
10	1,189305947[illegible]•002	11	1,408409684056910429 54•002	12	1,646600946523726995 88•002
11	1,409118377[illegible]•002	12	1,648381039613374588 31•002	13	1,906842448264228498 66•002
12	1,648975042.[illegible]•002	13	1,908357552282270587 42•002	14	2,187032396334070741 28•002
13	1,[illegible]•002	14	2,188338161284538042 71•002	15	2,487184636804181410 41•002
14	2,188773662[illegible]•002	15	2,488322022778920659 31•002	16	2,807308622704043356 40•002
15	2,488701313[illegible]•002	16	2,808308479509444276 07•002	17	3,147410997378349798 65•002
16	2,808641874[illegible]•002	17	3,148297021990834763 98•002	18	3,507496546448735032 76•002
17	3,148592439[illegible]•002	18	3,508287254322955955 54•002	19	3,887568791757683031 62•002
18	3,508550877.[illegible]•002	19	3,888278867082038300 00•002	20	4,287630373933970934 78•002
19	3,888515597[illegible]•002	20	4,288271616655152435 00•002	21	4,707683305726624022 95•002
20	4,288485392[illegible]•002	21	4,706265309716474828 18•002	22	5,147729143889462434 83•002
21	4,708459332[illegible]•002	22	5,148259791606599599 75•002	23	5,607769108338765833 62•002
22	5,148436690.[illegible]•002	23	5,608254937615321139 53•002	24	6,087804166357828252 26•002
23	5,608416892[illegible]•002	24	6,088250646409728758 08•002	25	6,587835093134263579 12•002
24	6,088399482[illegible]•002	25	6,588246835047400991 39•002	26	7,107862515963542328 10•002
25	6,588384089[illegible]•002	26	7,108243435164975562 14•002	27	7,647886946984029319 71•002
26	7,108370414[illegible]•002	27	7,648240390043118625 15•002	28	8,207908807732568997 94•002
27	7,648358209.[illegible]•002	28	8,208237652329247993 32•002	29	8,787928447782460459 77•002
28	8,208347270[illegible]•002	29	8,788235182257465176 61•002	30	9,387946159043772034 54•002
29	8,788337430.[illegible]•002	30	9,388232946247025886 24•002	31	1,000796218684557083 46•003
30	9,388328544[illegible]•002	31	1,000823091579114685 89•003	32	1,064797673860396341 8•003
31	1,000832049.[illegible]•003	32	1,064822906657007996 34•003	33	1,130798999066026847 15•003
32	1,064831317.[illegible]•003	33	1,130822737773867770 18•003	34	1,198800209371885884 43•003
33	1,130830650.[illegible]•003	34	1,198822583135033911 53•003	35	1,268801317720380461 46•003
34	1,198830041.[illegible]•003	35	1,268822441188924816 13•003	36	1,340802335277376[illegible]570•003
35	1,268829442.[illegible]•003	36	1,340822310588723491 74•003	37	1,414803271717597[illegible]133•003
36	1,340828869.[illegible]•003	37	1,414822190160940326 92•003	38	1,490804135457911533 81•003
37	1,414828496.[illegible]•003	38	1,490822078879422867 38•003	39	1,568804933848917203 96•003
38	1,490828050.[illegible]•003	39	1,568821975843784663 17•003	40	1,648805673333368588 80•003
39	1,568827676.[illegible]•003	40	1,648821880261417424 72•003	41	1,730806359577705971 14•003
40	1,648827292.[illegible]•003	41	1,730821791432421059 39•003	42	1,814806997581854450 45•003
41	1,730826935.[illegible]•003	42	1,814821708736930962 68•003	43	1,900807591771292133 33•003
42	1,814826612.[illegible]•003	43	1,900821631624412350 69•003	44	1,988808146074592414 80•003
43	1,900826311.[illegible]•003	44	1,988821559604584670 60•003	45	2,078808663989005536 97•003
44	1,988826030.[illegible]•003	45	2,078821492239698346 55•003	46	2,170809148636145320 45•003
45	2,078825768.[illegible]•003	46	2,170821429137939189 80•003	47	2,264809602809453501 50•003
46	2,170825522.[illegible]•003	47	2,264821369947776674 50•003	48	2,360810029014802283 79•003
47	2,264825292.[illegible]•003	48	2,360821314353105211 06•003	49	2,458810429505347252 79•003
48	2,360825076.[illegible]•003	49	2,458821262069054072 28•003	50	2,558810806311543806 65•003
49	2,458824872.[illegible]•003	50	2,558821212838363083 49•003	51	2,660811161267080096 81•003

PROLATE EIGENVALUES H = 4,40

M = 0		M = 1		M = 2	
L	EIGENVALUE	L	EIGENVALUE	L	EIGENVALUE
0	3,58265953102772493639+000	1	4,77562480228950809447+000	2	8,23287544038068295844+000
1	1,10457294216797333253+001	2	1,29996234070532667263+001	3	1,77080518441257595757+001
2	1,71901998245565308984+001	3	2,09651167863524129390+001	4	2,75587090299288876211+001
3	2,31088867845307984753+001	4	2,95996906626248791248+001	5	3,84577577878426553398+001
4	3,05376047775335562175+001	5	3,97330328886510695277+001	6	5,08988218259545168838+001
5	4,02048942751943601604+001	6	5,17466229045257243459+001	7	6,51358330107777153459+001
6	5,20389652646011405621+001	7	6,57396100844415078746+001	8	8,12770684471941249706+001
7	6,59437364100917285256+001	8	8,17305144287473731055+001	9	9,93684381498661499923+001
8	8,14827620544347069901+001	9	9,97225008636557599241+001	10	1,19431249344920740979+002
9	9,98410169665987917710+001	10	1,19715934240914655928+002	11	1,41476445265154365282+002
10	1,19811077802630438896+002	11	1,41710636984553332248+002	12	1,65510138476370251488+002
11	1,41788836106119922826+002	12	1,65706358533805888109+002	13	1,91535976753487325591+002
12	1,65771843414742262177+002	13	1,91702878381357510898+002	14	2,19556254565858303370+002
13	1,91758559771910401396+002	14	2,19700021805001138016+002	15	2,49572478064995353496+002
14	2,19747974291687513851+002	15	2,49697654716360141444+002	16	2,81585671420603878042+002
15	2,49739399965321039573+002	16	2,81695674982089570406+002	17	3,15596552007600249608+002
16	2,81732356121960626518+002	17	3,15694004624203855001+002	18	3,51605635163286388035+002
17	3,15726498020672050984+002	18	3,51692583709053684425+002	19	3,89613299246723412525+002
18	3,5172157302813 446000+002	19	3,89691365778653694259+002	20	4,29619827379625700048+002
19	3,89717392644400934940+002	20	4,29690314489472337010+002	21	4,71625434993685769550+002
20	4,29713813603634259100+002	21	4,71689401146750123688+002	22	5,15630288466442528841+002
21	4,71710725702759063199+002	22	5,15688602889764793133+002	23	5,61634518007490793397+002
22	5,15708042970011542425+002	23	5,61687901347662264998+002	24	6,09638226744346967416+002
23	5,61705697279193349874+002	24	6,09687281635987852387+002	25	6,59641497241690000485+002
24	6,09703634416740861222+002	25	6,59686731601170074810+002	26	7,11644396253317728222+002
25	6,59701817621524327552+002	26	7,11686241246729835354+002	27	7,65646978235758022999+002
26	7,11700190249832403607+002	27	7,65685802293737967112+002	28	8,21649287980295890663+002
27	7,65698744214374231468+002	28	8,21685407841275870496+002	29	8,79651362608172059016+002
28	8,21697448271830270186+002	29	8,79685052102016776517+002	30	9,39653233099860245068+002
29	8,79696282313591131201+002	30	9,39684730194705227889+002	31	1,00165492547882757602+003
30	9,39695229518753383590+002	31	1,00168443798008146498+003	32	1,06565646173670177540+003
31	1,00169427572910429378+003	32	1,06568417193023777937+003	33	1,13165786056247420275+003
32	1,06569340886705964077+003	33	1,13168392902389495727+003	34	1,19965913792194502023+003
33	1,13169261808214414887+003	34	1,19968370666191948744+003	35	1,26966030752163562828+003
34	1,19969189658501358262+003	35	1,26968350259875538317+003	36	1,34166138116282525853+003
35	1,26969123441153342193+003	36	1,34168331488645135312+003	37	1,41566236914511856492+003
36	1,34169062622275550331+003	37	1,41568314182871885773+003	38	1,49166328031435127983 003
37	1,41569006614299056051+003	38	1,49168298194302651517+003	39	1,56966412246622370157+003
38	1,49168954922627220213+003	39	1,56968283392916966101+003	40	1,64966490241449040403+003
39	1,56968907114658769342+003	40	1,64968269664308557139+003	41	1,73166562615059867450+003
40	1,64968862810680894742+003	41	1,73168256907494040969+003	42	1,81566629896019351697+003
41	1,73168821676320449702+003	42	1,81568245033071206098+003	43	1,90166692552077536663+003
42	1,81568783416142983102+003	43	1,90168233961664750635+003	44	1,98966750998392206736+003
43	1,90168747768383732630+003	44	1,98968223622609455468+003	45	2,07966805604480625679+003
44	1,98968714500420053708+003	45	2,07968213952830330193+003	46	2,17166856700120662129+003
45	2,07968683404960212087+003	46	2,17168204895886844055+003	47	2,26566904580379194952+003
46	2,17168654296831346777+003	47	2,26568196401154390088+003	48	2,36166949509912460534+003
47	2,26568627010151458280+003	48	2,36168188423120963493+003	49	2,45966991726656539319+003
48	2,36168601396017809415+003	49	2,45968180920780922960+003	50	2,55967031445004993080+003
49	2,45968577320430139579+003	50	2,55968173857110845079+003	51	2,66167068858553620571+003

PROLATE EIGENVALUES M = 4.60

M = 0		M = 1		M = 2	
L	EIGENVALUE	L	EIGENVALUE	L	EIGENVALUE
0	3,787427419566733780240+000	1	4,966032138150587116050+000	2	8,401926566733337170930+000
1	1,166787196937548940360+001	2	1,353963035037800006470+001	3	1,817352252749898089030+001
2	1,816815144819380838420+001	3	2,175336752777905584260+001	4	2,822679407470920386310+001
3	2,421910098640115236740+001	4	3,050268539796003071920+001	5	3,923768933238456824770+001
4	3,159653229563726829740+001	5	4,066347036650899969350+001	6	5,173242231771320500830+001
5	4,120190123819691750770+001	6	5,257628504691374098640+001	7	6,599508869937200753050+001
6	5,300379596859985108430+001	7	6,666421300938540846300+001	8	8,214970147309100104350+001
7	6,689091930124356055630+001	8	8,265056585269167822020+001	9	1,002487811830257303780+002
8	8,281889583829699462390+001	9	1,006389779474537144620+002	10	1,203164177486948575220+002
9	1,007696558670178179630+002	10	1,206296500056887067720+002	11	1,423648320742593888630+002
10	1,207343659300442199330+002	11	1,426222036565163059320+002	12	1,664007807642189143980+002
11	1,427081592710091314180+002	12	1,666162305262073014300+002	13	1,924282629472900729790+002
12	1,666881422248792637440+002	13	1,926113951443485053100+002	14	2,204497775444541825850+002
13	1,926724968398406086840+002	14	2,206074401074881607430+002	15	2,504669561406335014110+002
14	2,206600306907211910240+002	15	2,506041715318162732690+002	16	2,824809033188962744950+002
15	2,506499337835524255270+002	16	2,826014435293933830960+002	17	3,164923899497686462070+002
16	2,826416396480008322540+002	17	3,165991456659167361730+002	18	3,525019680991879203150+002
17	3,166347419788490883430+002	18	3,525971935967127958180+002	19	3,905100420372946344600+002
18	3,526289432049262344610+002	19	3,905955222569467325510+002	20	4,305169136019673337560+002
19	3,906240213031797678110+002	20	4,305940809406062478820+002	21	4,725228120265540217920+002
20	4,306198075229809407210+002	21	4,725928297356247059420+002	22	5,165279140537499447970+002
21	4,726161720734594152730+002	22	5,165917369243361021180+002	23	5,625323578048185255220+002
22	5,166130135429578865710+002	23	5,625907770716266016490+002	24	6,105362525344611779130+002
23	5,626102519426621647850+002	24	6,105899296056514927670+002	25	6,605396856148383385390+002
24	6,106078233426852835440+002	25	6,605891777540761350670+002	26	7,125427276164723598390+002
25	6,606056762138708686540+002	26	7,125885077391862426470+002	27	7,665454360586121871550+002
26	7,126037686837300396590+002	27	7,665879081632300221440+002	28	8,225478582142706690390+002
27	7,666020662122514055580+002	28	8,225873695348520830100+002	29	8,805500332336906318640+002
28	8,226005405229830023080+002	29	8,805868839011289910170+002	30	9,405519937697585909110+002
29	8,805991679207103374940+002	30	9,405864445593445263360+002	31	1,002553767234949747470+003
30	9,405979285281555071710+002	31	1,002586045829490449550+003	32	1,066555376782551114530+003
31	1,002596805758737204060+003	32	1,066585682873390809580+003	33	1,132556842079379211030+003
32	1,066595785149926850220+003	33	1,132585351549902208690+003	34	1,200558179919273171290+003
33	1,132594854911652319100+003	34	1,200585048298236376930+003	35	1,270559404713884835400+003
34	1,200594004959461737840+003	35	1,270584770043360296930+003	36	1,342560528888103952990+003
35	1,270593225973119956630+003	36	1,342584514118845297890+003	37	1,416561563200774609210+003
36	1,342592509317556543140+003	37	1,416584278203595426220+003	38	1,492562517006447357120+003
37	1,416591849746085248400+003	38	1,492584060269683116500+003	39	1,570563398470266717320+003
38	1,492591241456062256900+003	39	1,570583858539125505130+003	40	1,650564214745364676990+003
39	1,570590678637563721570+003	40	1,650583671447897245840+003	41	1,732564972120070242060+003
40	1,650590157 80317474080+003	41	1,732583497615831443390+003	42	1,816565676140676867860+003
41	1,732589672837049995210+003	42	1,816583335821335706410+003	43	1,902566331714307120630+003
42	1,816589222830098301310+003	43	1,902583184980064810420+003	44	1,990566943195485359440+003
43	1,902588802 77462430860+003	44	1,990583044126859419650+003	45	2,080567514459307365710+003
44	1,990588411240726337270+003	45	2,080582912400392782900+003	46	2,172568048963531100050+003
45	2,080588045279547223020+003	46	2,172582789030072002960+003	47	2,266568549801468263200+003
46	2,172587702413700669980+003	47	2,266582673324824040230+003	48	2,362569019747204466140+003
47	2,266587381190726253060+003	48	2,362582564663463314480+003	49	2,460569461294395743360+003
48	2,362587079057402525870+003	49	2,460582462484639144737+003	50	2,560569876689665058480+003
49	2,460586796283637840412+003	50	2,560582366288423016760+003	51	2,662570267961442266560+003

PROLATE EIGENVALUES M = 4,80

M = 0		M = 1		M = 2	
L	EIGENVALUE	L	EIGENVALUE	L	EIGENVALUE
0	3,991500250200497538170+000	1	5,157698246239713026120+000	2	8,573613368793701492030+000
1	1,229009278754703707010+001	2	1,408775982156857051800+001	3	1,864977603913865586380+001
2	1,916495126541700500680+001	3	2,256479990036910284910+001	4	2,891717116885405100310+001
3	2,537960154857089000540+001	4	3,144381945046081564860+001	5	4,004963784045435683170+001
4	3,271608886499579155300+001	5	4,163852929667042499850+001	6	5,260339836395953293800+001
5	4,225278492387927816092+001	6	5,365121057549072461480+001	7	6,689396875539713460260+001
6	5,401750003539991052610+001	7	6,763329161121830502220+001	8	8,306279435705888653610+001
7	6,788440436402475043550+001	8	8,361427122484721999290+001	9	1,011698659417612500970+002
8	8,379980988272355512230+001	9	1,015984518316628497920+002	10	1,212423944599340087690+002
9	1,017420667042305809640+002	10	1,215858548793551652290+002	11	1,432940090796202264410+002
10	1,217007139605528936010+002	11	1,435758654407653313820+002	12	1,673321632181011868590+002
11	1,436700178276889826900+002	12	1,675678878857326323150+002	13	1,933612295709223236330+002
12	1,676465776949021133460+002	13	1,935614502338427041670+002	14	2,213839209735164719790+002
13	1,936282598786031478720+002	14	2,215561969507089984190+002	15	2,514019983303242012350+002
14	2,216136660190225501550+002	15	2,515518632329815260530+002	16	2,834166480155353744690+002
15	2,516018467469217857630+002	16	2,835482513331063046120+002	17	3,174286946402836728550+002
16	2,835921383057697277050+002	17	3,175452123712324913370+002	18	3,534387267487475309000+002
17	3,175840648650036360840+002	18	3,535426331018627914730+002	19	3,914471740770515333530+002
18	3,535772779036424344520+002	19	3,915404264406753196860+002	20	4,314543566812619675930+002
19	3,915715172968387887020+002	20	4,315385246913250798830+002	21	4,734605171105927601920+002
20	4,315665856305777914180+002	21	4,735368746762811376980+002	22	5,174658420268312462080+002
21	4,735623308731953322300+002	22	5,175354342066271085960+002	23	5,634704770657997998370+002
22	5,175586343753336819086+002	23	5,635341694974073927490+002	24	6,114745372617347248880+002
23	5,635554024631913189550+002	24	6,115330532557608642380+002	25	6,614781144926881008040+002
24	6,115525602305767998270+002	25	6,615320632521607264170+002	26	7,134812828854902161930+002
25	6,615500474578095001070+002	26	7,135311812419711123000+002	27	7,674841027976803473560+002
26	7,135478150434226785500+002	27	7,675303921435691417030+002	28	8,234866237906314425540+002
27	7,675458227355767399010+002	28	8,235296834062245539260+002	29	8,814888868767862024110+002
28	8,235440372627270570790+002	29	8,815290445196703675550+002	30	9,414909262374124725220+002
29	8,815424309283928787010+002	30	9,415284666304490962030+002	31	1,003492770549279028400+003
30	9,415409805255514980400+002	31	1,003527942239432663020+003	32	1,067494444019125038340+003
31	1,003539666490112697150+003	32	1,067527464961571661240+003	33	1,133495967197457851520+003
32	1,067538472235085640420+003	33	1,133527029333732435140+003	34	1,201497357624044333120+003
33	1,133537383622650028000+003	34	1,201526630659976533090+003	35	1,271498630343847737320+003
34	1,201536386542273219180+003	35	1,271526264886204180530+003	36	1,343499798322379779940+003
35	1,271535476571559706270+003	36	1,343525928497984249910+003	37	1,417500872782330318360+003
36	1,343534638701209842800+003	37	1,417525618436812065520+003	38	1,493501863478120000880+003
37	1,417533867111155488940+003	38	1,493525332031103700320+003	39	1,571502778921154677620+003
38	1,493533154966828765220+003	39	1,571525066939044212040+003	40	1,651503626565668703490+003
39	1,571532496368011633800+003	40	1,651524821101024563140+003	41	1,733504412962863266820+003
40	1,651531886023223790020+003	41	1,733524592699876229240+003	42	1,817505143889387687080+003
41	1,733531319345387652640+003	42	1,817524380127479292910+003	43	1,903505824454941371910+003
42	1,817530792264432331360+003	43	1,903524181956605220210+003	44	1,991506459192794085610+003
43	1,903530301173863329320+003	44	1,991523996917078918090+003	45	2,081507052136260929220+003
44	1,991529842668786990180+003	45	2,081523823875520528760+003	46	2,173507606883573327770+003
45	2,081529414493410725810+003	46	2,173523661818066604440+003	47	2,267508126653119261630+003
46	2,173529013496342668500+003	47	2,267523509835581041710+003	48	2,363508614330657117100+003
47	2,267528637592481591410+003	48	2,363523367110954695270+003	49	2,461509072509801762690+003
48	2,363528284730325461760+003	49	2,461523232908163723550+003	50	2,561509503526885299550+003
49	2,461527953306386342650+003	50	2,561523106562814128810+003	51	2,663509909491026969030+003

PROLATE EIGENVALUES H = 5.00

M = 0 L	M = 0 EIGENVALUE	M = 1 L	M = 1 EIGENVALUE	M = 2 L	M = 2 EIGENVALUE
0	4.19512867261637171649+000	1	5.35042229646413203293+000	2	8.74767425153947245198+000
1	1.29117032450438397600+001	2	1.46429562448681992029+001	3	1.91359819110357872642+001
2	2.01765147202337672891+001	3	2.33976131244810935325+001	4	2.96287861393243820114+001
3	2.65872596073974737462+001	4	3.24219435680803192965+001	5	4.08929326879267345045+001
4	3.38970960944675884695+001	5	4.26581821543866187119+001	6	5.35115702653037655204+001
5	4.33585959212280782673+001	6	5.46717967078828925793+001	7	6.78325560586929512307+001
6	5.50805622375137725374+001	7	6.86472603783972129377+001	8	8.40165194569506605867+001
7	6.89247729506172714096+001	8	8.46219834761041543208+001	9	1.02131881351693370951+002
8	8.48255306813998220690+001	9	1.02601215261776378044+002	10	1.22209359809904825110+002
9	1.02758551311920979975+002	10	1.22584792927796437599+002	11	1.44264140628020299555+002
10	1.22710388938544013672+002	11	1.44571828053933684615+002	12	1.68304433134167463345+002
11	1.44674632070057685070+002	12	1.68561506001893275673+002	13	1.94335007973517973951+002
12	1.68647334978644141971+002	13	1.94553194790547586151+002	14	2.22358801990416154394+002
13	1.94626006845272113996+002	14	2.22546423843505020725+002	15	2.52377709350300285953+002
14	2.22609016703103274383+002	15	2.52540845240103397575+002	16	2.84392999449532411512+002
15	2.52595257900897419164+002	16	2.84536200478302429082+002	17	3.18405550680664011109+002
16	2.84583957005541339005+002	17	3.18532295656933080898+002	18	3.54415987611140459687+002
17	3.18574559732587483166+002	18	3.54528983699039563156+002	19	3.92424764813315887811+002
18	3.54566660147728279942+002	19	3.92526151752644258187+002	20	4.32432219904068063431+002
19	3.92559955388920923301+002	20	4.32523712244666285039+002	21	4.74438608127930649976+002
20	4.32554215242696141276+002	21	4.74521596482372673500+002	22	5.18444125506872853487+002
21	4.74549263620857719434+002	22	5.18519750032392340387+002	23	5.64448924700000467011+002
22	5.18544961493709727371+002	23	5.64518129347807127339+002	24	6.12453126094870231024+002
23	5.64541200076466561060+002	24	6.12516699279383042473+002	25	6.62456825708173034600+002
24	6.12537892285009707379+002	25	6.62515431219463912175+002	26	7.14460100907591779134+002
25	6.62534967910374410893+002	26	7.14514301703338579919+002	27	7.68463014618228616518+002
26	7.14532369836222747256+002	27	7.68513291344875815806+002	28	8.24465618457344054793+002
27	7.68530051211038113537+002	28	8.24512384018905895269+002	29	8.82467955099661153974+002
28	8.24527973308909731042+002	29	8.82511566227543467700+002	30	9.42470060082547459192+002
29	8.82526103893547122349+002	30	9.42510826604929488926+002	31	1.00447196319823717276+003
30	9.42524415954413414355+002	31	1.00451015552707477826+003	32	1.06847368957800986213+003
31	1.00452256672127544255+003	32	1.06850954480219085004+003	33	1.13447526054408963797+003
32	1.06452145685911223151+003	33	1.13450894742315930924+003	34	1.20247669428463024758+003
33	1.13452021003455440221+003	34	1.20250847736834392566+003	35	1.27247800639269333001+003
34	1.20251907196991921777+003	35	1.27250800944028741196+003	36	1.34447921029975599419+003
35	1.27251801045820774790+003	36	1.34450757913430319457+003	37	1.41848031762676122538+003
36	1.34451703258316947233+003	37	1.41850718253081270665+003	38	1.49448133847021103652+003
37	1.41851517643772339962+003	38	1.49450681620666155565+003	39	1.57248228163672168265+003
38	1.49451530690901677507+003	39	1.57250647716169484690+003	40	1.65248315483641252038+003
39	1.57251454244245021791+003	40	1.65250616275767026821+003	41	1.73448396484320417742+003
40	1.65251367213564261879+003	41	1.73450587066720047170+003	42	1.81848471762835811149+003
41	1.73451317268694255611+003	42	1.81850559883088996781+003	43	1.90448541847225538158+003
42	1.81451255929964210965+003	43	1.90450534542120010154+003	44	1.99248607205838405211+003
43	1.90451159779651344779+003	44	1.99250510881186384720+003	45	2.08248668255270657086+003
44	1.99251145444778142975+003	45	2.08250488755189888237+003	46	2.17448725367095510642+003
45	2.08251055592995462542+003	46	2.17450468034344676209+003	47	2.26848778873591295261+003
46	2.17451044937376502549+003	47	2.26850448602280864986+003	48	2.36448829072635287365+003
47	2.26851007121978013235+003	48	2.36450430354416206164+003	49	2.46248876231899546454+003
48	2.36450964130672847437+003	49	2.46250413196553463202+003	50	2.56248920592460464388+003
49	2.46250922220307819101+003	50	2.56250397043668477651+003	51	2.66448962371913986226+003

PROLATE EIGENVALUES H = 5.20

M = 0 L	EIGENVALUE	M = 1 L	EIGENVALUE	M = 2 L	EIGENVALUE
0	4.39936418997096003892+000	1	5.54403700027101127443+000	2	8.92387273340619857120+000
1	1.35320537780815772008+001	2	1.52042696311433720664+001	3	1.96313497247089549863+001
2	2.12006083714101808315+001	3	2.42500142581587996535+001	4	3.03605662236127090405+001
3	2.78385292482477623875+001	4	3.34357502887116762175+001	5	4.17668323704874038655+001
4	3.51395679389814754986+001	5	4.37222828001871573189+001	6	5.44567035921955748839+001
5	4.45220530740227436725+001	6	5.57384185307064657596+001	7	6.88109114447028368849+001
6	5.64951365910356495715+001	7	6.97065428948894471844+001	8	8.50110449492635313960+001
7	7.00126415216346590227+001	8	8.56740686323135723688+001	9	1.03135019107270162888+002
8	8.58977067349203992273+001	9	1.03647572919979906195+002	10	1.23217499209397377202+002
9	1.03815546968928184787+002	10	1.23626718442757570912+002	11	1.45275396685249087256+002
10	1.23763670123709715721+002	11	1.45410305916277369160+002	12	1.69317743300885539506+002
11	1.45722237133053673225+002	12	1.69597267713781941635+002	13	1.95349734633523078494+002
12	1.69690607381529834146+002	13	1.95586786385304444209+002	14	2.23374542430537276150+002
13	1.95665902545790849615+002	14	2.23578257893411070936+002	15	2.53394198188062272835+002
14	2.23646225082439324516+002	15	2.53571237888415040689+002	16	2.85410055434378789556+002
15	2.53630291450020010493+002	16	2.85565397397438641734+002	17	3.19423046188440240682+002
16	2.85617205087132431918+002	17	3.19560490311470511979+002	18	3.55433830381970389567+002
17	3.19606323620635845890+002	18	3.55556330332143069960+002	19	3.93442886606531983076+002
18	3.55597176756577610305+002	19	3.93552774741939216819+002	20	4.33450569219336504233+002
19	3.93589413041506231487+002	20	4.33549712935109296712+002	21	4.75457145401066109162+002
20	4.33582767734753452409+002	21	4.75547058243819906519+002	22	5.19462819858475510611+002
21	4.75577034317479225328+002	22	5.19544742051371279211+002	23	5.65467751685247022236+002
22	5.19572053315908666290+002	23	5.65542709504826783918+002	24	6.13472066114619905224+002
23	5.65547656399998685543+002	24	6.13540916357153526717+002	25	6.63475862846536236982+002
24	6.13563866723546853351+002	25	6.63539326615600728646+002	26	7.15479222176914059080+002
25	6.63560457945429432928+002	26	7.15537910771882943745+002	27	7.69482209219574978281+002
26	7.15557475047717205222+002	27	7.69536644456763543580+002	28	8.25484877394541744329+002
27	7.69554790660048984177+002	28	8.25535507407475132678+002	29	8.83487270804415470551+002
28	8.25552354981564441816+002	29	8.83534482668068443925+002	30	9.43489426141014730008+002
29	8.83550220587864262968+002	30	9.43533555964862387512+002	31	1.00549137413810012685+003
30	9.43548266203107271868+002	31	1.00553271521472885577+003	32	1.06949314270102314635+003
31	1.00554645606395020289+003	32	1.06953195013502291824+003	33	1.13549474779317324971+003
32	1.06954486701835540544+003	33	1.13553125193193189812+003	34	1.20349621413748020952+003
33	1.13554342031524024957+003	34	1.20353061304979546144+003	35	1.27349755577593932349+003
34	1.20354207963574744536+003	35	1.27353002696818071721+003	36	1.34549878651918136414+003
35	1.27354085093584865929+003	36	1.34552948803662255755+003	37	1.41949991831018404130+003
36	1.34553972207591238269+003	37	1.41952899133926822792+003	38	1.49550096152042301133+003
37	1.41953865251682764730+003	38	1.49552853258341367874+003	39	1.57350192519247555477+003
38	1.49553777308254859153+003	39	1.57352810800724215706+003	40	1.65350281723989437926+003
39	1.57353683573612305066+003	40	1.65352771430308363721+003	41	1.73550364461276492464+003
40	1.65353601343068184214+003	41	1.73552734855328727588+003	42	1.81950441343553613927+003
41	1.73553524995870066058+003	42	1.81952700817639660718+003	43	1.90550512912232101172+003
42	1.81953453983625342034+003	43	1.90552669088178164538+003	44	1.99350579647379012966+003
43	1.90553367820406029979+003	44	1.99352639463124525262+003	45	2.08350641975894970441+003
44	1.99353326074397711682+003	45	2.08352611760640676970+003	46	2.17550700278444641652+003
45	2.08353268360823112000+003	46	2.17552585818089179647+003	47	2.26950754895353180773+003
46	2.17553214335922659209+003	47	2.26952561489653658598+003	48	2.36550806131641644642+003
47	2.26953163691818244723+003	48	2.36552538644295899866+003	49	2.46350854261342442022+003
48	2.36553116152095139071+003	49	2.46352517163996316063+003	50	2.56350899531210346014+003
49	2.46353071466046843302+003	50	2.56352496542233788727+003	51	2.66550942163924115140+003

PROLATE EIGENVALUES H = 5.40

M = 0		M = 1		M = 2	
L	EIGENVALUE	L	EIGENVALUE	L	EIGENVALUE
0	4.60125434629527660831+000	1	5.73840334039940457237+000	2	9.10199576302067832712+000
1	1.41514813171494349598+001	2	1.57708536240496278944+001	3	2.01351318206642201842+001
2	2.22329256442144712891+001	3	2.51202405935060320670+001	4	3.11114288821677600182+001
3	2.91305228154424858363+001	4	3.44837857659003389863+001	5	4.26705270191523697482+001
4	3.34446309971873214044+001	5	4.48305517723345659224+001	6	5.54385046299428018376+001
5	4.57435175207412168375+001	6	5.68514193538174760394+001	7	6.98290696823551157764+001
6	5.73610519880653185470+001	7	7.08115694497949371496+001	8	8.60465328395726177644+001
7	7.11486663580127696897+001	8	8.67709053692902183089+001	9	1.04179472788349478900+002
8	8.70156094600430392643+001	9	1.04737841350176293262+002	10	1.24267002739702260957+002
9	1.04925327368563322338+002	10	1.24711899537660280464+002	11	1.46327952632252441638+002
10	1.24860849147756101529+002	11	1.46691522160538666423+002	12	1.70372251890100906697+002
11	1.46813058088830683139+002	12	1.70675363319616319851+002	13	1.96405551093891908671+002
12	1.70776596416119133258+002	13	1.96662389026852224483+002	14	2.24431268790403441141+002
13	1.96748118868793023883+002	14	2.24651841812517870077+002	15	2.54451578079421971324+002
14	2.24725439429979070092+002	15	2.54643166432463051569+002	16	2.86467917643225759159+002
15	2.54707076752095319427+002	16	2.86635952873537832994+002	17	3.20481272787283500931+002
16	2.86691956429451378928+002	17	3.20629894597318346229+002	18	3.56492337946513757137+002
17	3.20679457601222977456+002	18	3.56624761416188182336+002	19	3.94501614725532149119+002
18	3.56668917957257438811+002	19	3.94620375085242635948+002	20	4.34509473235022442233+002
19	3.94659972918627967898+002	20	4.34616598929574378222+002	21	4.76516191690397123117+002
20	4.34652315571287492097+002	21	4.76613325627576493920+002	22	5.20521982687823181079+002
21	4.76645709608113174100+002	22	5.20610470267881056019+002	23	5.66527011066248812642+002
22	5.20639970652430709935+002	23	5.66607965010128857802+002	24	6.14531406312734750015+002
23	5.66634953114170903959+002	24	6.14605755157641164345+002	25	6.64535271344518870246+002
24	6.14630540777537396101+002	25	6.64603796236051198971+002	26	7.16538688833877186429+002
25	6.64626639954332875238+002	26	7.16602051796770966641+002	27	7.70541725834589666728+002
26	7.16623174432293955647+002	27	7.70600491748526294688+002	28	8.26544437214117329022+002
27	7.70620081699198886212+002	28	8.26599091077730044629+002	29	8.84546868232727221287+002
28	8.26617310086855421201+002	29	8.84597828858107657431+002	30	9.44549056504532378626+002
29	8.84614816587153197489+002	30	9.44596687477593184024+002	31	1.00655103350478701102+003
30	9.44612565165117714038+002	31	1.00659565202993727729+003	32	1.07055282574004037124+003
31	1.00661052544364410641+003	32	1.07059470983227715118+003	33	1.13655445566498324279+003
32	1.07060867166908954601+003	33	1.13659385003983385314+003	34	1.20455594240700189078+003
33	1.13660698189115293436+003	34	1.20459306333609077319+003	35	1.27455730234335245761+003
34	1.20460543730772665672+003	35	1.27459234168206724964+003	36	1.34655854956436634638+003
35	1.27460402173789612286+003	36	1.34659167811218392407+003	37	1.42055969624778581172+003
36	1.34660272119473959909+003	37	1.42059106656710691144+003	38	1.49656075296325903902+003
37	1.42060152353818158432+003	38	1.49659050175612684454+003	39	1.57456172892154653053+003
38	1.49660041818915898383+003	39	1.57458997904326897596+003	40	1.65456263217965679947+003
39	1.57459939589494571418+003	40	1.65458949435257980059+003	41	1.73656346981062518871+003
40	1.65459844853434306937+003	41	1.73658904408899387188+003	42	1.82056424804475300621+003
41	1.73659756895551871035+003	42	1.82058862507192432932+003	43	1.90656497238767646214+003
42	1.82059675084033798687+003	43	1.90658823447929552056+003	44	1.99456564771957168363+003
43	1.90659598859035186427+003	44	1.99458786580018548497+003	45	2.08456627837854010506+003
44	1.99459527723057702535+003	45	2.08458752879459938999+003	46	2.17656686823194666947+003
45	2.08459461232794288247+003	46	2.17658720945917434799+003	47	2.27056742073615631163+003
46	2.17659398992203716278+003	47	2.27058690999783805308+003	48	2.36656793898819941099+003
47	2.27059340646569377650+003	48	2.36658662879662102289+003	49	2.4645684257697[illegible]98532+003
48	2.36659265877446200409+003	49	2.46458636440196458416+003	50	2.5645688835850[illegible]9524+003
49	2.46459234398289601403+003	50	2.56458611550198154046+003	51	2.66656931469339[illegible]7522+003

PROLATE EIGENVALUES H = 5.60

L (M = 0)	EIGENVALUE (M = 0)	L (M = 1)	EIGENVALUE (M = 1)	L (M = 2)	EIGENVALUE (M = 2)
0	4.80384327270840405622+000	1	5.93340597935640598411+000	2	9.28185194247344922345+000
1	1.47692616258295907592+001	2	1.63419612608500325996+001	3	2.06466250858659121925+001
2	2.32711434052044081769+001	3	2.60065802350055594470+001	4	3.18802904718248139431+001
3	3.04580927223122914492+001	4	3.55644656806547954144+001	5	4.36031421513200471175+001
4	3.78104627080022971771+001	5	4.59825633282178857366+001	6	5.64566163143372620827+001
5	4.70245547036178403602+001	6	5.80110997682476296225+001	7	7.08870352272962083276+001
6	5.85798173937422687925+001	7	7.19627740855655203651+001	8	8.71231367657155067636+001
7	7.2335427244458452038+001	8	8.79128844571693446277+001	9	1.05265436880532159242+002
8	8.81801342585805007281+001	9	1.05872348867984656538+002	10	1.25358064703326357371+002
9	1.06076302743314628354+002	10	1.25840600144218031937+002	11	1.47421989043906563457+002
10	1.26002230237641133460+002	11	1.47815708643620561636+002	12	1.71468122340154064406+002
11	1.47947360955240290618+002	12	1.71795990588754238325+002	13	1.97502603899448705272+002
12	1.71905511664600326870+002	13	1.97780173171444550002+002	14	2.25529112188866154735+002
13	1.97872834423591721964+002	14	2.25767323924669331395+002	15	2.55549966484529099020+002
14	2.25846613976448247830+002	15	2.55756761051390249617+002	16	2.87566691593514573443+002
15	2.55825746329002927346+002	16	2.87747982044058840999+002	17	3.21580325596830702909+002
16	2.87806449441225211320+002	17	3.21740612253821929353+002	18	3.57591596372794121961+002
17	3.21794066704942500413+002	18	3.57734368839421945460+002	19	3.95601027342706594387+002
18	3.57781977626286804818+002	19	3.95729035588422109733+002	20	4.35609003214643523475+002
19	3.95771717090090985363+002	20	4.35724445228626507134+002	21	4.77615812191721623355+002
20	4.35762935313774055943+002	21	4.77720466878550935333+002	22	5.21621673840836527333+002
21	4.77755358743933060269+002	22	5.21716997041529207600+002	23	5.67626757953212968091+002
22	5.21748776708040405769+002	23	5.67713953065593701084+002	24	6.15631197590911187168+002
23	5.67743022123519186910+002	24	6.15711268337786293526+002	25	6.65635098289548952722+002
24	6.15737961093123808745+002	25	6.65708888712508313046+002	26	7.17638544664552523962+002
25	6.65732487946680140961+002	26	7.17706769828020454531+002	27	7.71641605229197792900+002
26	7.177295513463729813244+002	27	7.71704875069363205491+002	28	8.27644335959327938133+002
27	7.71725960654009312213+002	28	8.27703174006869682079+002	29	8.85646782965535647407+002
28	8.27722787913855983749+002	29	8.85701641188214927448+002	30	9.45648984520429236952+002
29	8.85715928253655509764+002	30	9.45700255195858790917+002	31	1.00765097261365146405+003
30	9.45717346229298920097+002	31	1.00769899790557440208+003	32	1.07165277415682378444+003
31	1.00771500099884960132+003	32	1.07169785389868219435+003	33	1.13765441192602873449+003
32	1.07171285102768554452+003	33	1.13769680999275421679+003	34	1.20565590530544394115+003
33	1.13771094313751360412+003	34	1.20569585486435176756+003	35	1.27565727087885040905+003
34	1.20570917176505024024+003	35	1.27569497874379290702+003	36	1.34765852290370068013+003
35	1.27570754835237524336+003	36	1.34769417316669274964+003	37	1.42165967369375433731+003
36	1.34770605658135773310+003	37	1.42169343077055084901+003	38	1.49766073392996376817+003
37	1.42170462335898857032+003	38	1.49769274512730876623+003	39	1.57566171291463695105+003
38	1.49770341572200062720+003	39	1.57569211060480299554+003	40	1.65566261878044350847+003
39	1.57570224333557836423+003	40	1.65569152225156283085+003	41	1.73766345866323537536+003
40	1.65570115688574693788+003	41	1.73769097570057159503+003	42	1.82166423884569126363+003
41	1.73770014817040844971+003	42	1.82169046708851184587+003	43	1.90766496487729863162+003
42	1.82169920994350735528+003	43	1.90768999298771598648+003	44	1.99566564167503856097+003
43	1.90769833578444603970+003	44	1.99568955034859140487+003	45	2.08566627360825097734+003
44	1.99569751998772774452+003	45	2.08568913645071978772+003	46	2.17766686457046640376+003
45	2.08569675746924522993+003	46	2.17768874886117054634+003	47	2.27166741804044890820+003
46	2.17765604368703718845+003	47	2.27168838539883869696+003	48	2.36766793713426811414+003
47	2.27165537447307815296+003	48	2.36768804410383349891+003	49	2.46566842464987984518+003
48	2.36765474047531537161+003	49	2.46568772321111747553+003	50	2.56566888310542536046+003
49	2.46565415510755245276+003	50	2.56568742112773519176+003	51	2.66766931477224314168+003

PROLATE EIGENVALUES H = 5.80

M = 0		M = 1		M = 2	
L	EIGENVALUE	L	EIGENVALUE	L	EIGENVALUE
0	5.00617010894044791081+000	1	6.12894926667991529180+000	2	9.46326972272392558254+000
1	1.53855668136753229319+001	2	1.69169389779111810094+001	3	2.11651719386725137788+001
2	2.43125553027881606598+001	3	2.69073902946716727304+001	4	3.26660745917481071422+001
3	3.18174186453521421472+001	4	3.66760939716257344921+001	5	4.45637435802760023641+001
4	3.92362523024630064577+001	5	4.71777349207466023249+001	6	5.75106147999140066892+001
5	4.83678837088877101644+001	6	5.92177054769759471906+001	7	7.19847777913313372373+001
6	5.98526259271726608094+001	7	7.31605909789171413070+001	8	8.82409995802581590495+001
7	7.35680125399357582183+001	8	8.91004080629531056392+001	9	1.06393105688210468794+002
8	8.93918017736563188669+001	9	1.07051435450165104128+002	10	1.26490883129658807743+002
9	1.07272870413133415659+002	10	1.27013116009116527029+002	11	1.48557691448526233130+002
10	1.27188130445411306835+002	11	1.48983105961147317146+002	12	1.72605523230304301867+002
11	1.49125398317900012793+002	12	1.72959354776362045015+002	13	1.98641044525613687158+002
12	1.73077571848811397953+002	13	1.98940315734479945453+002	14	2.26668708326234565297+002
13	1.99040234982663154664+002	14	2.26924858174116633190+002	15	2.56689485062838905583+002
14	2.27010508937254238065+002	15	2.56912156855262723413+002	16	2.88706486631047193493+002
15	2.56986445887354329300+002	16	2.88901604405518047892+002	17	3.22720303222209374056+002
16	2.88966687072957581115+002	17	3.22892748500594755085+002	18	3.58731694904494379065+002
17	3.22950260009799860838+002	18	3.58885247965842190642+002	19	3.96741205529086421784+002
18	3.58936453198218151054+002	19	3.96878842188417249849+002	20	4.36749233073792982495+002
19	3.96924736035724711887+002	20	4.36873329667903871012+002	21	4.78756074533715984799+002
20	4.36914706118755842850+002	21	4.78868552820699302808+002	22	5.22761955401317462158+002
21	4.78906053684570144895+002	22	5.22864387088057952474+002	23	5.68767049520457529492+002
22	5.22896537083543988663+002	23	5.68860733033978077458+002	24	6.16771492759739678067+002
23	5.68891965526045692945+002	24	6.16857510543419085895+002	25	6.66775392618934035342+002
24	6.16886186732235953650+002	25	6.66854654513289498307+002	26	7.18778835100035469372+002
25	6.66881077951130251088+002	26	7.18852111616829519640+002	27	7.72781889701886855743+002
26	7.18876539335844869220+002	27	7.72849837848644055421+002	28	8.28784613104404491668+002
27	7.72872468992890438829+002	28	8.28847796643709941033+002	29	8.86787051922728690407+002
28	8.28868659238169476360+002	29	8.86845957422811755702+002	30	9.46789244791392759728+002
29	8.86865593734387081847+002	30	9.46844294457932610475+002	31	1.00879122395927664754+003
30	9.46862645280153806930+002	31	1.00884278597996653588+003	32	1.07279301652285451708+003
31	1.00885957408637416745+003	32	1.0728414134715[illegible]9[illegible]88+003	33	1.13879464536691498909+003
32	1.07285754642080096934+003	33	1.13884016110277095073+003	34	1.20679613003278115533+003
33	1.13885533353345754205+003	34	1.206839015277132858[illegible]+003	35	1.27679748710040596289+003
34	1.20685331079826879891+003	35	1.27683796426492568847+003	36	1.34879873089017297783+003
35	1.27685145702253412430+003	36	1.34883699790436871672+003	37	1.42279987374121035345+003
36	1.34884975388772616449+003	37	1.42283610735715886225+003	38	1.49880092634846590117+003
37	1.42284818549380713291+003	38	1.49883528490724482565+003	39	1.57680189801997232025+003
38	1.49884673798571249960+003	39	1.57683452379434832159+003	40	1.65680279688815758963+003
39	1.57684539924548443002+003	40	1.65683381607555295225+003	41	1.73880363008438067917+003
40	1.65684415863718351612+003	41	1.73883316250968943108+003	42	1.82280440388385380087+003
41	1.73884300679448008565+003	42	1.82283255246033190446+003	43	1.90880512382657631656+003
42	1.82284153544295059222+003	43	1.90883198381406369917+003	44	1.99680579481872782037+003
43	1.90884093725074341448+003	44	1.99683149291132994011+003	45	2.08680642121805868395+003
44	1.99684000570255117305+003	45	2.08683095648771248487+003	46	2.17880700690610956960+003
45	2.08683913499287142288+003	46	2.17883049162387198972+003	47	2.27280755534953847192+003
46	2.17883831993491970872+003	47	2.27283005570272716114+003	48	2.36880806965239861680+003
47	2.27283755588357744759+003	48	2.36882964637270096371+003	49	2.46680855260086598015+003
48	2.36883683866844853602+003	49	2.46682926151607196345+003	50	2.56680900670164089384+003
49	2.46683616453696397980+003	50	2.56682889522163700352+003	51	2.66880943421502870140+003

PROLATE EIGENVALUES H = 6,00

M = 0		M = 1		M = 2	
L	EIGENVALUE	L	EIGENVALUE	L	EIGENVALUE
0	5,20826915983177328561+000	1	6,32495384650926025351+000	2	9,64609562251007215807+000
1	1,60004427533821603612+001	2	1,74952193962823282081+001	3	2,16901605133369150053+001
2	2,53564766413677524850+001	3	2,78211122444252118765+001	4	3,34677199327875601456+001
3	3,32041954907049723318+001	4	3,78168841517083036086+001	5	4,55513433705637937487+001
4	4,07201942666389386020+001	5	4,84153197263481609678+001	6	5,86000067960854444919+001
5	4,97737121253562460742+001	6	6,04714140539888330597+001	7	7,31222277830420041952+001
6	6,11807566953331038996+001	7	7,44054500427464704449+001	8	8,94002507010924757959+001
7	7,48526665290405988877+001	8	9,03338688729252244734+001	9	1,07562672128369840028+002
8	9,06511553651654477115+001	9	1,08275452596257131095+002	10	1,27665659230166691508+002
9	1,08515445346953185434+002	10	1,28225738689713784818+002	11	1,49735250065948534480+002
10	1,28416879908260029347+002	11	1,50193963464926650754+002	12	1,73784628145600100489+002
11	1,50347443467226702657+002	12	1,74165668640907939654+002	13	1,99821029044446156165+002
12	1,74293002908534039772+002	13	2,00143000104306127636+002	14	2,27848697441222271291+002
13	2,00250513329025111343+002	14	2,28124604135753771063+002	15	2,57870259646969914556+002
14	2,28216650342486720528+002	15	2,58109493892533197519+002	16	2,89887415913483599620+002
15	2,58185314336185541718+002	16	2,90096943618929813231+002	17	3,23901307743263440713+002
16	2,90166836830189143671+002	17	3,24086414041510115750+002	18	3,59912725953713869956+002
17	3,24146150610424239326+002	18	3,60077497638153741999+002	19	3,97922233249348477271+002
18	3,60132445692168232027+002	19	3,98069883955452033099+002	20	4,37930239376616092903+002
19	3,98115118150104510626+002	20	4,38063332919791308626+002	21	4,79937048775392887195+002
20	4,38107710043815127959+002	21	4,80057656858304400992+002	22	5,23942891689091388878+002
21	4,80097868900707453436+002	22	5,24052707480331893128+002	23	5,69947945005028383950+002
22	5,24085319777747764618+002	23	5,70048366439685182916+002	24	6,17952346537460043687+002
23	5,70081845614743826520+002	24	6,18044538409865345016+002	25	6,67956205019061690310+002
24	6,18075273173790382543+002	25	6,68041145943817323090+002	26	7,19959607215826218893+002
25	6,68065462816322653201+002	26	7,20038125615961111578+002	27	7,73962623083221863334+002
26	7,20064300963228292554+002	27	7,74035425096219208360+002	28	8,29965309554168202142+002
27	7,74059654460879747194+002	28	8,30033000508935173386+002	29	8,87967713362834865072+002
28	8,30055566320796140296+002	29	8,88030816700392961548+002	30	9,47969873175222567302+002
29	8,88051852462514951230+002	30	9,48028841687793662194+002	31	1,00997182121527525492+003
30	9,48046459198143663301+002	31	1,01002705059703186445+003	32	1,07397358451914910389+003
31	1,01004546127139505960+003	32	1,07402542082107171964+003	33	1,13997518591220886772+003
32	1,07404270031559095365+003	33	1,14002393374824833183+003	34	1,20797664477660302470+003
33	1,14004018363120976786+003	34	1,20802257322250285181+003	35	1,27797797765995414737+003
34	1,20803768320943717043+003	35	1,27802132530682476410+003	36	1,34997919876129291042+003
35	1,27803577494666759412+003	36	1,35002017792800443088+003	37	1,42398032032214198318+003
36	1,35003383600840874586+003	37	1,42401912058587652348+003	38	1,49998135294332270709+003
37	1,42403205431094855505+003	38	1,50001814411404067619+003	39	1,57798230584325411402+003
38	1,50003040809645572394+003	39	1,57801724048192224272+003	40	1,65798318706982116999+003
39	1,57802868558291554239+003	40	1,65801640263021824330+003	41	1,73998400367514650348+003
40	1,65802747467398819164+003	41	1,74001562433346144690+003	42	1,82398476186053406489+003
41	1,74002616471701054653+003	42	1,82401490008471510328+003	43	1,90998546709728446765+003
42	1,82402494630147608565+003	43	1,91001422499342645289+003	44	1,99798612422788139943+003
43	1,91002361105882350347+003	44	1,99801359472824620642+003	45	2,08798673755112330578+003
44	1,99802275166917580734+003	45	2,08801300539723935872+003	46	2,17998731089405655252+003
45	2,08802176143985023438+003	46	2,18001245353839969652+003	47	2,27398784767305543687+003
46	2,18002063450219467056+003	47	2,27401193604376737934+003	48	2,36998835094555362928+003
47	2,27401956557305281462+003	48	2,37001145012075798515+003	49	2,46798882345498315520+003
48	2,37001914990964529938+003	49	2,46801099325455934827+003	50	2,56798926766839999204+003
49	2,46801838324415622992+003	50	2,56801056317565238063+003	51	2,66998968580955394198+003

PROLATE EIGENVALUES M = 6.20

M = 0		M = 1		M = 2	
L	EIGENVALUE	L	EIGENVALUE	L	EIGENVALUE
0	5.41017015756194240731•000	1	6.52135381C5449014086E•000	2	9.8301925091797A834919•000
1	1.66139640750411992562•001	2	1.80769133869295354621•001	3	2.22210241749810708717•001
2	2.64002353399021347484•001	3	2.8746284102094539253 3•001	4	3.4284187484965748 0694•001
3	3.46141498654177770 7•001	4	3.8984982366627125013 5•001	5	4.65649066963759196902•001
4	4.22598929711890032713•001	5	4.96944027243636746115•001	6	5.97242277929752561128•001
5	5.12436606963972386223•001	6	6.17723208839358658088•001	7	7.42992716891847067748•001
6	6.25655745668375157247•001	7	7.56977716367401254310•001	8	9.06010032224633598663•001
7	7.61885453060256352290•001	8	9.16137489884849206257•001	9	1.08774326392361069594•002
8	9.19587828403131019367•001	9	1.09544763153145804471•002	10	1.28882596797011053876•002
9	1.09804466808831102390•002	10	1.29490773547321244306•002	11	1.50954459521730335746•002
10	1.29694822142537324259•002	11	1.51448539283253140955•002	12	1.75005615531212951921•002
11	1.51613776551966462188•002	12	1.75415152464638333915•002	13	2.01042719345506046664•002
12	1.75552040088804510298•002	13	2.01388416158359116361•002	14	2.29070724265508504249•002
13	2.01503869348931597818•002	14	2.29366727C27061914960•002	15	2.59092420215390878167•002
14	2.29465531070189293773•002	15	2.59348917158735481727•002	16	2.91109596393247212267•002
15	2.59434510818737728470•002	16	2.91334128516135169907•002	17	3.25123444703479205489•002
16	2.91409030788264469827•002	17	3.25321723C693389313 8•002	18	3.61134785093574575408•002
17	3.25387855636277686770•002	18	3.61311220181199788265•002	19	3.99144197356750367298•002
18	3.61370597190480197 7•002	19	3.99302253C9560063716 0•002	20	4.39152101332258407478•002
19	3.99354958247777680400•002	20	4.39294538495359792251•002	21	4.81158807403591052071•002
20	4.39342032050915946163•002	21	4.81287854677457419182•002	22	5.25164549258153860060•002
21	4.81330861576949249047•002	22	5.25282027649481501148•002	23	5.71169507053257416 5•002
22	5.25321155189634432529•002	23	5.71276916969655733416•002	24	6.19173815549928311248•002
23	5.71312726879261898143•002	24	6.19272410562647291267•002	25	6.69177587944611850158•002
24	6.19305260314977346281•002	25	6.69268417147175391846•002	26	7.21180907973122186229 8•002
25	6.69298657251890948328•002	26	7.21264861580187567385•002	27	7.75183850735370876743•002
26	7.21292848982040806475•002	27	7.75261683402777843439•002	28	8.31186467643656448531•002
27	7.75287629947121050264•002	28	8.31258830195388934527•002	29	8.89188806882735444867•002
28	8.31285952908969243574•002	29	8.89256259533764255507•002	30	9.49190906784591298587•002
29	8.89278745257586135345•002	30	9.49253935395321943698•002	31	1.01119279923409591638•003
30	9.49274946160030437962•002	31	1.01125182730644206672•003	32	1.07519451093620158301•003
31	1.01127150433794090837•003	32	1.07524990535009323747•003	33	1.14119606440030913890•003
32	1.07526837631994131182•003	33	1.14124815537394940674•003	34	1.20919747871200652180•003
33	1.14126552505627914414•003	34	1.20924655835413947346•003	35	1.27919877014330305591•003
34	1.20926291881227693778•003	35	1.27924508588807205210 2•003	36	1.35119095263901660733•003
35	1.27926053027802396662•003	36	1.35124373573903316677•003	37	1.42520103820734199639•003
36	1.35125833584846985325•003	37	1.42524249556709348656•003	38	1.50120203723566698779•003
37	1.42525631503427662411•003	38	1.50124134657367263903•003	39	1.57920295874761473761•003
38	1.50125444998219739705•003	39	1.57924028330509765980•003	40	1.65920381961353699272•003
39	1.57925272507738336419•003	40	1.65923929745141121736•003	41	1.74120459972388553678•003
40	1.65925112661484344384•003	41	1.74123838168447843993•003	42	1.82520533213278773857•003
41	1.74124964252549681038•003	42	1.82523752552217736648•003	43	1.91120601317755973379•003
42	1.82524826214759774609•003	43	1.91123673521398310893•003	44	1.99920664757867491988•003
43	1.91121657603368540946•003	44	1.99923599364418441170•003	45	2.08920723952377021014•003
44	1.99924577578877216515•003	45	2.08923530C24969795762•003	46	2.18120779273454809163•003
45	2.08924465393228661704•003	46	2.18123465C95002019847•003	47	2.27520831054684772159•003
46	2.18124360378821580653•003	47	2.27523404208731275404•003	48	2.37120879592187515534•003
47	2.27524261935012833851•003	48	2.37123347C37498168631•003	49	2.46920925152967304234•003
48	2.37124169526555408317•003	49	2.46923293285340319254•003	50	2.56920967976675250801•003
49	2.46924082669238269123•003	50	2.56923242685168381498•003	51	2.67121008279218838930•003

PROLATE EIGENVALUES N = 6.40

L	M = 0 EIGENVALUE	L	M = 1 EIGENVALUE	L	M = 2 EIGENVALUE
0	5,61189867901272035322+000	1	6,71809429402541257367+000	2	1,00154379685522894024+001
1	1,72262358066347372586+001	2	1,86598018505233699659+001	3	2,27572404506343744124+001
2	2,74431366778790646165+001	3	2,96815492851197360138+001	4	3,51144669850950641621+001
3	3,60430924955074955869+001	4	4,01784914842883670694+001	5	4,76033594360777624697+001
4	4,38524105640583408390+001	5	5,10139006735092475249+001	6	6,08826412789489817365+001
5	5,27786783548026204296+001	6	6,31204246356181941291+001	7	7,55157474808937488828+001
6	6,40085221876752875567+001	7	7,70379602809240512191+001	8	9,18433507834504935767+001
7	7,75771644529094948186+001	8	9,29404185399769418586+001	9	1,10028254462215742332+002
8	9,33152784786021914809+001	9	1,10859741090706912934+002	10	1,30141901538231754780+002
9	1,11140369102158692708+002	10	1,30796536136130726446+002	11	1,52216718534657925058+002
10	1,31016314375819287682+002	11	1,52747100343896714184+002	12	1,76268668535112260243+002
11	1,52924669250918030009+002	12	1,76708034077177266148+002	13	2,02306280451377315024+002
12	1,76854927037082328886+002	13	2,02676760281796687487+002	14	2,30334437975797884959+002
13	2,02800510090338151439+002	14	2,30651397721892194899+002	15	2,60356100863864784017+002
14	2,30757208883162252474+002	15	2,60630576606507391337+002	16	2,92373148799814783794+002
15	2,60722169716572185902+002	16	2,92613291107090434652+002	17	3,26386823098608433610+002
16	2,92693405608574936976+002	17	3,26598793671086390862+002	18	3,62397971050695547439+002
17	3,26669496262884566442+002	18	3,62586521405907318120+002	19	4,00407187588003583594+002
18	3,62649403489547185930+002	19	4,00576044953735776080+002	20	4,40414900791294122237+002
19	4,00632353569027916152+002	20	4,40567032746593812570+002	21	4,82421425330370205023+002
20	4,40617760010642569869+002	21	4,82559225747758722966+002	22	5,26426996894828480906+002
21	4,82605171514988843852+002	22	5,26552419386215193840+002	23	5,72431794979746005353+002
22	5,26594226120758840306+002	23	5,72546450474390072260+002	24	6,20435958327600030666+002
23	5,72584676097740796842+002	24	6,20541187618287139674+002	25	6,70439595617785143407+002
24	6,20576269472686331604+002	25	6,70536524104745609805+002	26	7,22442793008723276179+002
25	6,70566837829560425664+002	26	7,22532372566800117020+002	27	7,76445619551643873625+002
26	7,22562235750899280666+002	27	7,76528660940258439704+002	28	8,32448131137760445612+002
27	7,76556344052151914922+002	28	8,32525329368407079576+002	29	8,90450373417356990433+002
28	8,32551064236721969080+002	29	8,90522327810314371417+002	30	9,50452383986814480377+002
	8,90546314325969247283+002	30	9,50519614176522176665+002	31	1,01245419404683743755+003
	9,50542025639253906633+002	31	1,01251715286380738488+003	32	1,07645582967363239093+003
	1,01253814028410207290+003	32	1,07651491359462803780+003	33	1,14245731280332268055+003
32	1,07653460918272545089+003	33	1,14251287049116473886+003	34	1,21045866200149399479+003
33	1,14253139050767229131+003	34	1,21051100133143758972+003	35	1,28045989307004910526+003
34	1,21052844843235522111+003	35	1,28050928694780576013+003	36	1,35246101952967591278+003
35	1,28052575212598575285+003	36	1,35250771073760641240+003	37	1,42646205300634842678+003
36	1,35252327493971163303+003	37	1,42650625826271155878+003	38	1,50246300354315697289+003
37	1,42652059374344290093+003	38	1,50250491692004223231+003	39	1,58046387985357504293+003
38	1,5025188838240296706+003	39	1,58050367566905163937+003	40	1,66046468952845223123+003
39	1,58051694122893673361+003	40	1,66050252480521068033+003	41	1,74246543920618679624+003
40	1,66051513681154691466+003	41	1,74250145577084415140+003	42	1,82646613471340614889+003
41	1,74251346150571466988+003	42	1,82650046099645137994+003	43	1,91246678118187753038+003
42	1,82651190327532591747+003	43	1,91249953376703097219+003	44	2,00046738314614783888+003
43	1,91251045145569107858+003	44	2,00049866810901177112+003	45	2,09046794462547281010+003
44	2,00050909656959117916+003	45	2,09049785669424245400+003	46	2,18246846919287025415+003
45	2,09050783017251546244+003	46	2,18249710075816395039+003	47	2,27646896003356759230+003
46	2,18250644720210252241+003	47	2,27649639002982237542+003	48	2,37246941999467197183+003
47	2,27650553345591709081+003	48	2,37249572267180607144+003	49	2,47046985162754308828+003
48	2,37250449031371391415+003	49	2,47049509522853200665+003	50	2,57047025722407301471+003
49	2,47050350983542503431+003	50	2,57049450458158214554+003	51	2,67247063884785760515+003

PROLATE EIGENVALUES H = 6.60

M = 0		M = 1		M = 2	
L	EIGENVALUE	L	EIGENVALUE	L	EIGENVALUE
0	5,81347662353505220936+000	1	6,91512952114846342899+000	2	1,02017227814128496187+001
1	1,78373704821787348384+001	2	1,92453275659583605085+001	3	2,32983294826879161963+001
2	2,84843956294502288450+001	3	3,06256621319740248514+001	4	3,59575825163548753002+001
3	3,74870610529083460112+001	4	4,13954954781738007546+001	5	4,86655963187201371002+001
4	4,54943188005225858736+001	5	5,23725661537422322819+001	6	6,20745390263956878189+001
5	5,43793546194618521359+001	6	6,45156127189851675025+001	7	7,67714401420423911140+001
6	6,55111094977409009876+001	7	7,84263972822456836330+001	8	9,31273641970531788644+001
7	7,90184758901906731908+001	8	9,43143339535278949716+001	9	1,11324636467696884915+002
8	9,47212853929180573967+001	9	1,12220771213546320252+002	10	1,31443780341861270177+002
9	1,12523642427793135062+002	10	1,32147352185225536835+002	11	1,53521029574387191237+002
10	1,32383727922138040406+002	11	1,54089922399499415416+002	12	1,77573974837802201067+002
11	1,54280484064740136540+002	12	1,78044548882365498585+002	13	2,03611883027331368335+002
12	1,78201916111137638023+002	13	2,04008235388783129799+002	14	2,31639992143094769266+002
13	2,04140649827601257608+002	14	2,31978792766218486049+002	15	2,61661439775565125625+002
14	2,32091906469769558377+002	15	2,61954627157042065572+002	16	2,93678197621361333278+002
15	2,62052472696168435025+002	16	2,93934568588189597151+002	17	3,27691555364982799154+002
16	2,94020102556462671432+002	17	3,27917747834081786964+002	18	3,63702385697497545904+002
17	3,27993157724319953480+002	18	3,63903510613786853664+002	19	4,01711296558092186513+002
18	3,63970588822899114233+002	19	4,01891358016889561434+002	20	4,41718722242142749637+002
19	4,01951404586209638940+002	20	4,41880904868929298932+002	21	4,83724979890543022569+002
20	4,41934954706862343132+002	21	4,83871850324255023053+002	22	5,27730305615942962900+002
21	4,83920821157074416037+002	22	5,27863956842313265710+002	23	5,73734878245344987231+002
22	5,27906517777883211893+002	23	5,73857034969111603488+002	24	6,21738835306535113300+002
23	5,73897761888834528637+002	24	6,21850932185221554528+002	25	6,71742284027551476798+002
24	6,21088303985073279702+002	25	6,71845524636933214027+002	26	7,23745309053460376407+002
25	6,71879942984476563382+002	26	7,23840710536188441638+002	27	7,77747977956047911595+002
26	7,23872515351849083211+002	27	7,77836407462315619621+002	28	8,33750345230877204087+002
27	7,77865886975303985520+002	28	8,33832544766196533861+002	29	8,91752455239416314234+002
28	8,33859947025522672029+002	29	8,91829064792324470110+002	30	9,51754344403631172762+002
29	8,91854603261381830045+002	30	9,51825918713778165303+002	31	1,01375604286307235537+003
30	9,51849778406344666714+002	31	1,01382306523088699159+003	32	1,07775757574024530723+003
31	1,01384540732339170834+003	32	1,07782046922385271942+003	33	1,14375896411694763825+003
32	1,07784143479408670055+003	33	1,14381810067785872517+003	34	1,21176022579487707814+003
33	1,14383761375812066192+003	34	1,21181593381963217993+003	35	1,28176137589349750389+003
34	1,21183459390728298035+003	35	1,28181394641933964888+003	36	1,35376242732391216176+003
35	1,28183147055439527436+003	36	1,35381211922268197204+003	37	1,42776339116738911668+003
36	1,35382868371759208787+003	37	1,42781043548621576721+003	38	1,50376427697992963545+003
37	1,42782611737407869052+003	38	1,50380888059504239178+003	39	1,58176509303900483080+003
38	1,50382374884853774054+003	39	1,58180744174662057024+003	40	1,66176584654472491395+003
39	1,58182155830905862856+003	40	1,66180610768796927875+003	41	1,74376654378484695962+003
40	1,66181952834950620541+003	41	1,74380486849621640067+003	42	1,82776719027089168537+003
41	1,74381764364178330333+003	42	1,82780371539452229729+003	43	1,91376779085103087733+003
42	1,82781589064492331780+003	43	1,91380264059701688547+003	44	2,00176834980418516185+003
43	1,91381425736063492743+003	44	2,00180163717764566887+003	45	2,09176887091883670452+003
44	2,00181273312706664281+003	45	2,09180069895880744105+003	46	2,18376935755934063330+003
45	2,09181130044378869521+003	46	2,18379982041644623766+003	47	2,27776981272195961244+003
46	2,18380957482331109007+003	47	2,27779899659887944033+003	48	2,37377023908240907461+003
47	2,27780872466434976051+003	48	2,37379822305713829490+003	49	2,47177063903635724361+003
48	2,37380755114257818039+003	49	2,47179749578499365446+003	50	2,57177101473405263827+003
49	2,47180644811748544905+003	50	2,57179681116715934483+003	51	2,67377136811003597330+003

PROLATE EIGENVALUES M = 6.80

M = 0		M = 1		M = 2	
L	EIGENVALUE	L	EIGENVALUE	L	EIGENVALUE
0	6.014922694265641196904000	1	7.112421165192373004104000	2	1.038894951453650454164001
1	1.844748151988024742120+001	2	1.983258737630374177884001	3	2.384385210859356389614001
2	2.952351266735744535917+001	3	3.157749025012305686704001	4	3.681259720275648392344001
3	3.894237728128116003994001	4	4.263408338205421901064001	5	4.975048942816852800884001
4	4.718177124058444469034001	5	5.376809565706504655754001	6	6.329914249236699399344001
5	5.604583556083247791844001	6	6.595764725734106220154001	7	7.806607742844091421074001
6	6.707469187123771687654001	7	7.986343221137386014934001	8	9.445308785066046346735001
7	8.051393328055061743044001	8	9.573563575616020915974001	9	1.126634487026274111642002
8	9.617747820843446441374001	9	1.136284248790055734522002	10	1.327884440460505093363002
9	1.139547736747117273044002	10	1.335435557570325611705002	11	1.548679984856095542814002
10	1.337974486058841283084002	11	1.554772905495185245404002	12	1.789217264676648521744002
11	1.556814745229956343734002	12	1.794249398884259958464002	13	2.049597019845354131394002
12	1.795932684986722528864002	13	2.053830505465781284804002	14	2.329875446788858987254002
13	2.055245101329956877944002	14	2.333490943959933015924002	15	2.630085791897655055464002
14	2.334658204887227755844002	15	2.633212287130700501774002	16	2.950248710857241980914002
15	2.634255767284196216964002	16	2.952988102351696548540+002	17	3.290377573875109298594002
16	2.953866758209784553284+002	17	3.292787114528776757614002	18	3.650481340444104734694002
17	3.293590893267514350540+002	18	3.652623006020280626404002	19	4.030566197550439145374002
18	3.653337311566668156774002	19	4.032482935180579378124002	20	4.430636528074820832984002
19	4.033122150107412486374002	20	4.432424690412548533344002	21	4.850695508391278015234002
20	4.432937698418415228934002	21	4.852258124496307533984002	22	5.290745486670302943554002
21	4.852779155898573242654002	22	5.292167165323173961434002	23	5.750788229765258243784002
22	5.292641177758673454014002	23	5.752087406350822134234002	24	6.230825088264293480654002
23	5.752520556139259255744002	24	6.232017088648335343714002	25	6.730857109289232134284002
24	6.232414492132789837054002	25	6.731954784039861881674002	26	7.250885115126395816984002
25	6.732320730163518893274002	26	7.251859323524955688704002	27	7.790909759028616525014002
26	7.252237435914300418694002	27	7.791849743048475974454002	28	8.350931565465784781944002
27	7.792163105158541976794002	28	8.351852482002631774184002	29	8.930950959591500358764002
28	8.352066494844940249724002	29	8.931765151173176205714002	30	9.530968289109972033774002
29	8.932036570454364405924002	30	9.531728907761400712224002	31	1.015098384706813407044003
30	9.531982465293877529794002	31	1.015169603575826557664003	32	1.079099785253793743094003
31	1.015193344885119579934003	32	1.079166613040340468054003	33	1.145101052382346637744003
32	1.079188690185747741674003	33	1.145183884578834804044003	34	1.213102202229184554584003
33	1.145184829654378171414003	34	1.213161138848993717484003	35	1.283103249000584872454003
34	1.213161118086927697684003	35	1.283159095156764946274003	36	1.355104204796615160354003
35	1.283177716585536161114003	36	1.355156994392123425564003	37	1.429105079977330778604003
36	1.355174591521378552484003	37	1.429155054902763095234003	38	1.505105883456557935924003
37	1.429171713717723919764003	38	1.505153263848628960974003	39	1.583106422939084677864003
38	1.505169057743978120844003	39	1.583151606478364219454003	40	1.663107305113493341274003
39	1.583166601360341467024003	40	1.663150069826367165464003	41	1.745107935098443173844003
40	1.663164225047420842464003	41	1.745148642459853510054003	42	1.829108520129435518344003
41	1.745162211616216034004003	42	1.829147314266668036934003	43	1.915109062552111260474003
42	1.829160245881946340474003	43	1.915146076276572320374003	44	2.003109567025509392404003
43	1.915158414386706629734003	44	2.003144920510084310164003	45	2.093110037039584594534003
44	2.003156761835416789234003	45	2.093143839850134786404003	46	2.185110475689295942224003
45	2.093155107609715921034003	46	2.185142827932690768944003	47	2.279110885727299830934003
46	2.185153612150953008114003	47	2.279141879053212036304003	48	2.375111269408698226294003
47	2.279152210282056027164003	48	2.375140988086377018404003	49	2.473111629529027673584003
48	2.375150943515426066674003	49	2.473140150416971607914003	50	2.573111967456691767554003
49	2.473149657473231121124003	50	2.573139361880202946104003	51	2.675112285160740269674003

PROLATE EIGENVALUES H = 7,00

L	EIGENVALUE (M = 0)	L	EIGENVALUE (M = 1)	L	EIGENVALUE (M = 2)
0	6,21625285122050955647+000	1	7,30993703776517178580+000	2	1,05770312441066098197+001
1	1,90566778027644925230+001	2	2,04213248993289895603+001	3	2,43934076657382477388+001
2	3,05602008607472040613+001	3	3,25360139865054437212+001	4	3,76786169724723380059+001
3	4,04057272578001227126+001	4	4,38923721276624690959+001	5	5,08568968671612985048+001
4	4,89105849214396599218+001	5	5,52016415334850382604+001	6	6,45556053477395101138+001
5	5,77777507691410113323+001	6	6,74461521639642674555+001	7	7,93993259745837179179+001
6	6,87014392621108214145+001	7	8,13493732067599618086+001	8	9,58205358972562381184+001
7	8,20646370851261625812+001	8	9,72056661151674298980+001	9	1,14045442460592025628+002
8	9,76845705175722368231+001	9	1,15082579075479749386+002	10	1,34176088607087913223+002
9	1,15434278554892871412+002	10	1,34985498270928155662+002	11	1,56257834074669878656+002
10	1,35257877240832696806+002	11	1,56909496796129828107+002	12	1,80312119600255304444+002
11	1,57127985457560296000+002	12	1,80849457741504536247+002	13	2,06349916636128172745+002
12	1,81029254349782660887+002	13	2,06801423002576568291+002	14	2,34377257778655252510+002
13	2,06952319955504933504+002	14	2,34762490557240959946+002	15	2,64397665368987817042+002
14	2,34891141818472573967+002	15	2,64730546173476835005+002	16	2,96413301140642998125+002
15	2,64841659121650952132+002	16	2,96704038196365390926+002	17	3,30425548387345896581+002
16	2,96801051036467586416+002	17	3,30681814337016256905+002	18	3,66435324231914638365+002
17	3,30767304463433972438+002	18	3,66663007669234187676+002	19	4,04443255534659900525+002
18	3,66738949556760645163+002	19	4,04646957440480774034+002	20	4,44449782240665176698+002
19	4,04714891800694052992+002	20	4,44633153743494917571+002	21	4,88455220348863934962+002
20	4,44694302041845080220+002	21	4,86621198456672090556+002	22	5,30459801529562036524+002
21	4,86076542548540254811+002	22	5,30610777335429916356+002	23	5,76463698703776623679+002
22	5,30661116140830545832+002	23	5,76601639821080700947+002	24	6,24467043129877845385+002
23	5,76647630479550288655+002	24	6,24593584252623034435+002	25	6,74469935842257390977+002
24	6,24635772543306509638+002	25	6,74586446906915899970+002	26	7,26472455675015828450+002
25	6,74625290091136916416+002	26	7,26580093784353560232+002	27	7,80474664876232387841+002
26	7,26015978001842072256+002	27	7,80574414386588620223+002	28	8,36476613137298424156+002
27	7,80607668073355515008+002	28	8,36569316955892397874+002	29	8,94478340524072943217+002
28	8,36600221313413496887+002	29	8,94564724798451257836+002	30	9,54479879638892855579+002
29	8,94593522048250619803+002	30	9,54560573419646985062+002	31	1,01648125723570002167+003
30	9,54587473374500232451+002	31	1,01655680827342498543+003	32	1,08048249544087770620+003
31	1,01658199361480072501+003	32	1,08055338298028287717+003	33	1,14648361268613718338+003
32	1,08057701353134867028+003	33	1,14655025790592091882+003	34	1,21448462442859613237+003
33	1,14657247411742283032+003	34	1,21454739901970132968+003	35	1,28448554371183183891+003
34	1,21456832433365214810+003	35	1,28454477697183960688+003	36	1,35648638160686807639+003
35	1,28456452218943174967+003	36	1,35654236634281176259+003	37	1,43048714756163318069+003
36	1,35656102859431545765+003	37	1,43054014502927558725+003	38	1,50648784968001251850+003
37	1,43055781142216995106+003	38	1,50653809373890224720+003	39	1,58448849494628424117+003
38	1,50655484224417319926+003	39	1,58453619557262659968+003	40	1,66448908940684888793+003
39	1,58455209619669127575+003	40	1,66453443567747222421+003	41	1,74648963831831568759+003
40	1,66454955145757186956+003	41	1,74653260095666640185+003	42	1,83049014626889791610+003
41	1,74654718841009767252+003	42	1,83053127982650450082+003	43	1,91649061727849177791+003
42	1,83054499127821205818+003	43	1,91652986201155275320+003	44	2,00449105488162377694+003
43	1,91654294381999945977+003	44	2,00452853837144111502+003	45	2,09449146219654777842+003
44	2,00454103306901953240+003	45	2,09452730075380376322+003	46	2,18649184198308118212+003
45	2,09453924711513886514+003	46	2,18652614186895614763+003	47	2,28049219669123636710+003
46	2,18653757531811127901+003	47	2,28052505518271646098+003	48	2,37649252850228974525+003
47	2,28053600814842865161+003	48	2,37652403482443300748+003	49	2,47449283936360757471+003
48	2,37653453705097550338+003	49	2,47452307550780318372+003	50	2,57449313101829375071+003
49	2,47453315432782298444+003	50	2,57452217246249222966+003	51	2,67649340503052411499+003

PROLATE EIGENVALUES M = 7,20

M = 0		M = 1		M = 2	
L	EIGENVALUE	L	EIGENVALUE	L	EIGENVALUE
0	6,417480720484306548006+000	1	7,507649959903830017496+000	2	1,076589036885623664026+001
1	1,966506059598900058726+001	2	2,101132387784465739586+001	3	2,494663161220722014086+001
2	3,159433844316968783356+001	3	3,350032342089274027656+001	4	3,855479339363748947496+001
3	4,187421297912178999076+001	4	4,516852763400081123206+001	5	5,198367138702015775826+001
4	5,067632964376986391306+001	5	5,666882743934439761496+001	6	6,584301711423626525116+001
5	5,957415810604884912236+001	6	6,898060193646405139136+001	7	8,077078786993047468406+001
6	7,839229348426667587176+001	7	8,288447613634108275946+001	8	9,722968826860475477306+001
7	8,367178272976600193666+001	8	9,872396517975573714486+001	9	1,154701801574040249396+002
8	9,924331788035129803166+001	9	1,165841767003671559106+002	10	1,356069299516359748746+002
9	1,169626949776463632866+002	10	1,364735303072714969706+002	11	1,576907476540459910186+002
10	1,367654301729067345486+002	11	1,583868450191318037836+002	12	1,817453543396713419256+002
11	1,586203531988533906696+002	12	1,823183607625863707966+002	13	2,077827105853927636936+002
12	1,825101529253115072166+002	13	2,082635742144377428336+002	14	2,358092978602557123926+002
13	2,084243157079976044116+002	14	2,362191749285226839446+002	15	2,658288485644765647466+002
14	2,363560756.13729567226+002	15	2,661827494496627294776+002	16	2,978436234332241730066+002
15	2,663008935599117604226+002	16	2,981525263393292325246+002	17	3,318550511092071854286+002
16	2,962556083.6259621105+002	17	3,321271902197226380456+002	18	3,678640675224570921826+002
17	3,322179806.10319505096+002	18	3,681057516218396023876+002	19	4,058713051152083768336+002
18	3,681863667.0045352806+002	19	4,060874565224307360096+002	20	4,458772029221487372646+002
19	4,061595431.9139390003+002	20	4,460717231315165909266+002	21	4,878820730077529902596+002
20	4,461365938.3251233365+002	21	4,880580972710226523146+002	22	5,318861418742207756156+002
21	4,881167924.1453403029+002	22	5,320462204976374846366+002	23	5,778895770124073395386+002
22	5,320995953.3602684910+002	23	5,780358070450555985896+002	24	6,258925043614757473146+002
23	5,780845619.0041956952+002	24	6,260266269394872616186+002	25	6,758950200525915143096+002
24	6,260713433.8081858552+002	25	6,760184934885260237316+002	26	7,278971984703971621046+002
25	6,760596582.2534084379+002	26	7,280112539057056250716+002	27	7,818990978897987827456+002
26	7,280492778.2210740892+002	27	7,820047822097709316606+002	28	8,379007644840454116266+002
27	7,820400146.9252176914+002	28	8,379989737926859812676+002	29	8,959022352187534340916+002
28	8,380317136.9058451579+002	29	8,959937412249556106726+002	30	9,559035399711469274276+002
29	8,960242460.9107999049+002	30	9,559890109876872520646+002	31	1,017904703102179847036+003
30	9,560175056.6394262219+002	31	1,017984720905432344596+003	32	1,081905744636832813326+003
31	1,016011395.7460113407+003	32	1,081980818113737695686+003	33	1,147906681160122407286+003
32	1,082005844.4681669192+003	33	1,147977257438176645916+003	34	1,215907526504340133106+003
33	1,148000784.4284387021+003	34	1,215974000092582238606+003	35	1,285908292281245459766+003
34	1,215996139.2257000827+003	35	1,285971012626783742266+003	36	1,357908988297898967996+003
35	1,285991920.0424514317+003	36	1,357968266070770037716+003	37	1,431909622884309081686+003
36	1,357988026.8581727026+003	37	1,431965735234546941866+003	38	1,507910203153628399616+003
37	1,431984439915.1496445+003	38	1,507963398132197859706+003	39	1,585910735210313407916+003
38	1,507981130.3677340746+003	39	1,585961235505631976786+003	40	1,665911224317812596466+003
39	1,585978069.0546127676+003	40	1,665959230428807306666+003	41	1,747911675034536646536+003
40	1,665975232.6586753896+003	41	1,747957367977276761206+003	42	1,831912091324791469186+003
41	1,747972599.0296685006+003	42	1,831955634951036057036+003	43	1,917912476649812841116+003
42	1,831970149.9136128267+003	43	1,917954019641081623036+003	44	2,005912834042884597146+003
43	1,917967867.6636799156+003	44	2,005952511631983113746+003	45	2,095913166171647633466+003
44	2,005965737.2041894784+003	45	2,095951101634264686156+003	46	2,187913475390040568516+003
45	2,095963746.9853976526+003	46	2,187949781341565421866+003	47	2,281913763781801554476+003
46	2,187961843.9794425774+003	47	2,281948543308483253136+003	48	2,377914033197065680146+003
47	2,281960156.3560186464+003	48	2,377947380845752122156+003	49	2,475914285283285225056+003
48	2,377958496.6822267487+003	49	2,475946287929999899836+003	50	2,575914521511459692526+003
49	2,475956955.9694489632+003	50	2,575945259125816290186+003	51	2,677914743198473411626+003

PROLATE EIGENVALUES H = 7,40

L	M = 0 EIGENVALUE	L	M = 1 EIGENVALUE	L	M = 2 EIGENVALUE
0	6,61861795375921183016+000	1	7,70553691434422621756+000	2	1,09554575789962772546+001
1	2,02727219409365710020+001	2	2,16024022258484304453+001	3	2,55031930436960923682+001
2	3,26259237849630873409+001	3	3,44696133478662357095+001	4	3,94403256131763341024+001
3	4,33453817648201915548+001	4	4,64607835987156874605+001	5	5,31296687982948319923+001
4	5,24744225830072470521+001	5	5,81687668044941381537+001	6	6,71604078546360915476+001
5	6,14335113086110845651+001	6	7,05603127668384923818+001	7	8,21799978246583296340+001
6	7,21489130811681012423+001	7	8,44689327136003393169+001	8	9,86804865499530452823+001
7	8,53366430703189036209+001	8	1,00291267527396291894+002	9	1,16937994597143677380+002
8	1,00854522462810532397+002	9	1,18133464889633892145+002	10	1,37081167008181620889+002
9	1,18540586450677036204+002	10	1,38008019650018537543+002	11	1,59166952539534470506+002
10	1,38320537894303695360+002	11	1,59909646058856573712+002	12	1,83221634479870024120+002
11	1,50158925941685725949+002	12	1,83831914987729763933+002	13	2,09258271605152392310+002
12	1,84036252708549017190+002	13	2,09769733883431393149+002	14	2,37283835500366896776+002
13	2,09940741360576370041+002	14	2,37719346945908105492+002	15	2,67302282979847130229+002
14	2,37864831353053114645+002	15	2,67678013483753994447+002	16	2,99315977288569671827+002
15	2,67803455105217952853+002	16	2,99643721429340014993+002	17	3,33326391608336928291+002
16	2,99753099228487539527+002	17	3,33614976767586431119+002	18	3,69334478292226295815+002
17	3,33711259447450131101+002	18	3,69590655781256191638+002	19	4,07340872572086832914+002
18	3,69676109055845761360+002	19	4,07569902262545125073+002	20	4,47346009855939950736+002
19	4,07646288593222293123+002	20	4,47552055669858011604+002	21	4,89350195816639259226+002
20	4,47620768799210863994+002	21	4,89536600414250526867+002	22	5,33353649649218761271+002
21	4,89598758275019781418+002	22	5,33523129634074291542+002	23	5,79356531541386644237+002
22	5,33579640173482425859+002	23	5,79511318995964131445+002	24	6,27359960566961622219+002
23	5,79562927800407182342+002	24	6,27500907513183171938+002	25	6,77361026609017541942+002
24	6,27548733159660286956+002	25	6,77491683334557034798+002	26	7,29362798469178812277+002
25	6,77535243373761914419+002	26	7,29483473096720473975+002	27	7,83364329486342631013+002
26	7,29523704100001244382+002	27	7,83476133860860932401+002	28	8,39365661496136196278+002
27	7,83513406847684613117+002	28	8,39469546945159126071+002	29	8,97366827664610372225+002
28	8,39504179320559869407+002	29	8,97463613162621186208+002	30	9,57367854545279129457+002
29	8,97495878157189628582+002	30	9,57458249111399085924+002	31	1,01936876359206465269+003
30	9,57488383128940539939+002	31	1,01945338426088108275+003	32	1,08336957228563275978+003
31	1,01948157324382269219+003	32	1,08344895864490424117+003	33	1,14937029498139336676+003
32	1,08347542249075649832+003	33	1,14944492102212343994+003	34	1,21737094355466109009+003
33	1,14946979760113590330+003	34	1,21744122739873983770+003	35	1,28737152789630733501+003
34	1,21746405604182587719+003	35	1,28743783983444296668+003	36	1,35937205629703969838+003
35	1,28745994401649603210+003	36	1,35943472547130191906+003	37	1,43337253574789055946+003
36	1,35945561604161751968+003	37	1,43343185573936053620+003	38	1,50937297217707720414+003
37	1,43345162906635312442+003	38	1,50942920570318766447+003	39	1,58737337063812027114+003
38	1,50944795002179442588+003	39	1,58742675352155336225+003	40	1,66737373546031597935+003
39	1,55744454833742745798+003	40	1,66742447999842496520+003	41	1,74937407036990543868+003
40	1,66744139529200958673+003	41	1,74942236820808167094+003	42	1,83337437858826753900+003
41	1,74943646707311776257+003	42	1,83342040318071163812+003	43	1,91937466291197070875+003
42	1,83343574504504504400+003	43	1,91941857163759917877+003	44	2,00737492577840689351+003
43	1,91943323816892622329+003	44	2,00741686176717361154+003	45	2,09737516931989529921+003
44	2,00743064098213441876+003	45	2,09741526303487628649+003	46	2,18937539540851040495+003
45	2,09742667762669416991+003	46	2,18941376602113891891+003	47	2,28337560569340581112+003
46	2,18942655601823961373+003	47	2,28341236228282611625+003	48	2,37937580163203451822+003
47	2,28342461454879003985+003	48	2,37941104423434086213+003	49	2,47737598451637940009+003
48	2,37942579191776366471+003	49	2,47740980504527009330+003	50	2,57737615549508446987+003
49	2,47742107868685533843+003	50	2,57740863855199411084+003	51	2,67937631559220286923+003

PROLATE EIGENVALUES H = 7,60

M = 0		M = 1		M = 2	
L	EIGENVALUE	L	EIGENVALUE	L	EIGENVALUE
0	6,81967453638873841476+000	1	7,90357830266236977399+000	2	1,11456709047800711260+001
1	2,08797440488390213782+001	2	2,21944067806788096449+001	3	2,60627921751472972420+001
2	3,36550378233493450803+001	3	3,54431767386739275773+001	4	4,03344614523992367289+001
3	4,48172316053768702173+001	4	4,77674575485183076440+001	5	5,42937559927800165474+001
4	5,43002286610023163167+001	5	5,96995837315116405409+001	6	6,85067538294179363575+001
5	6,33536530238293846791+001	6	7,21844365081829742293+001	7	8,36264210416105987273+001
6	7,39726061798382572900+001	7	8,61028577420039338713+001	8	1,00172829771836358669+002
7	8,70605722757525774753+001	8	1,01907997215548204987+002	9	1,18449005506827548774+002
8	1,02519037338739493561+002	9	1,19730874470515107733+002	10	1,38598998400181010508+002
9	1,20168543103543634122+002	10	1,39589342093667954606+002	11	1,60686663494375050009+002
10	1,39923655741142218252+002	11	1,61478220215382492753+002	12	1,84741167243523378676+002
11	1,61744064040501913977+002	12	1,85390394211481964101+002	13	2,10776791507397541177+002
12	1,85607851803628274814+002	13	2,11320137991113583793+002	14	2,38801045365029722871+002
13	2,11501848549241047876+002	14	2,39263211830586657040+002	15	2,68818126732733733292+002
14	2,39417624927377607819+002	15	2,69216518268775998668+002	16	3,00830505687499251149+002
15	2,69349540398752189600+002	16	3,01177782561444036053+002	17	3,34839699337065407679+002
16	3,01293688424298625153+002	17	3,35145315591294922885+002	18	3,70846674022782098738+002
17	3,35247286612537169600+002	18	3,71117846991795658912+002	19	4,08852064832456040901+002
18	3,71208306530242556643+002	19	4,09094408925735938944+002	20	4,48856300666068294057+002
19	4,09175238824033957619+002	20	4,49074254821832790484+002	21	4,90859678186837085561+002
20	4,49146941386906712072+002	21	4,91056802007246905104+002	22	5,34862406988669739647+002
21	4,91122535759153664114+002	22	5,35041590731640387908+002	23	5,80864637982190595013+002
22	5,35101337942323123631+002	23	5,81028254535809429865+002	24	6,28866481692409034227+002
23	5,81082808019460492444+002	24	6,29016498559918351360+002	25	6,78868020324098765934+002
24	6,29066515421701628933+002	25	6,79006083474953790024+002	26	7,30869315881917737648+002
25	6,79052113299449468114+002	26	7,30996813444804904804+002	27	7,84870415737472986700+002
26	7,31039319492461502251+002	27	7,84988527011374354560+002	28	8,40871356510959853458+002
27	7,85027902867674350000+002	28	8,40981090123401482191+002	29	8,98872166819733748774+002
28	8,41017672348137098346+002	29	8,98974390754338493407+002	30	9,58872869252362839729+002
29	8,99008468912338573290+002	30	9,58968334710114082740+002	31	1,02087348180508463855+003
30	9,59000159306586064444?+002	31	1,02096284233645270285+003	32	1,08487401893980669338+003
31	1,02099263191944969325+003	32	1,08495784591242827104+003	33	1,15087449237217412058+003
32	1,08498579016493603720+003	33	1,15095328757199949283+003	34	1,21887491166475336925+003
33	1,15097955423809704088+003	34	1,21894911763505052589+003	35	1,28887528467791331924+003
34	1,21897385429284a97865+003	35	1,28894529325846920147+003	36	1,36087561791569300686+003
35	1,28896863057135334166+003	36	1,36094177733914502906+003	37	1,43487591679340239558+003
36	1,36096383142400486076+003	37	1,43493853761662004669+003	38	1,51087618584634552146+003
37	1,43495941202397911764+003	38	1,51093554593499151021+003	39	1,58887642889386292654+003
38	1,51095533391173443156+003	39	1,58893277763261845243+003	40	1,66887664916918645952+003
39	1,58895156142722271324+003	40	1,66893021103499012345+003	41	1,75087684942293094024+003
40	1,66894806548940660760+003	41	1,75092782703132513657+003	42	1,83487703200610625785+003
41	1,75094431949757975932+003	42	1,83492560871948681809+003	43	1,92087719893710913927+003
42	1,83494180132922586470+003	43	1,92092354110691653084+003	44	2,00887735195609973189+003
43	1,92093898801961449379+003	44	2,00892161085771939824+003	45	2,09887749256938178336+003
44	2,00893636402594158155+003	45	2,09891980607794706815+003	46	2,19087762208581409904+003
45	2,09893391002624804089+003	46	2,19091811613263057592+003	47	2,28487774164683340886+003
46	2,19093161436520421314+003	47	2,28491653148931392176+003	48	2,38087785225137758035+003
47	2,28492946102573384095+003	48	2,38091504358379463142+003	49	2,47887795477633628986+003
48	2,38092744061059965955+003	49	2,47891364470454394549+003	50	2,57887804999435408636+003
49	2,47892554149432191891+003	50	2,57891232789289577384+003	51	2,68087813858785372725+003

PRØLATE EIGENVALUES H = 7,80

M = 0 L	M = 0 EIGENVALUE	M = 1 L	M = 1 EIGENVALUE	M = 2 L	M = 2 EIGENVALUE
0	7,0206590611598599165+000	1	8,1017573608509689199 3+000	2	1,1336474879178060242 3+001
1	2,1486200137339110767+001	2	2,2787208738331324774 1+001	3	2,6625157843639415565 8+001
2	3,4681814236480917894 2+001	3	3,6420397163755325217 1+001	4	4,1236497731774837713 8+001
3	4,6288194015428945610 8+001	4	4,9086963833822443322 3+001	5	5,5474818427287728665 9+001
4	5,6149158354464155646 0+001	5	6,1259335669571087935 2+001	6	6,9880984004357516810 7+001
5	6,5331833170900247385 3+001	6	7,3851957942697676250 4+001	7	8,5109451898569641174 4+001
6	7,5864453236274120019 4+001	7	8,7786275746306671456 9+001	8	1.0170657018382254715 5+002
7	8,8845001701938297364 4+001	8	1,0357456218296810568 8+002	9	1.2000331285608905310 6+002
8	1,0423777123815910955 1+002	9	1,2137684262002005494 0+002	10	1,4016061749228705359 6+002
9	1,2184718355206015911 3+002	10	1,4121788308239111859 2+002	11	1,6225009611388952535 0+002
10	1,4157524460538402314 3+002	11	1,6309289677613587310 8+002	12	1,8630416299569264469 8+002
11	1,6337614033428018884 7+002	12	1,8699408003324693108 7+002	13	2,1233846600202191967 3+002
12	1,8722525771223582985 6+002	13	2,1291502923942691650 8+002	14	2,4036110613594367603 6+002
13	2.1310789660662551316 6+002	14	,4085098061925036671 6+002	15	2,7037654181423822246 1+002
14	2,4101457860739923306 6+002	15	,7079844887090079432 6+002	16	3.0238735524328456046 0+002
15	2,7093933939851156673 1+002	16	3,0275487329317991472 7+002	17	3,3639510711095554641 4+002
16	3,0287754528503990170+002	17	3,3671835225748287[illegible]020+002	18	3,7240077529253350342 5+002
17	3,3682621222278085072 8+002	18	3,7268745562941628956 9+002	19	4,1040499166984817643 6+002
18	3,7274309283081310463+002	19	4,1066109394971450295 5+002	20	4,5040817559308836294 3+002
19	4,1374651589734225900 4+002	20	,5063842691732120589 1+002	21	4,9241061193781206809 4+002
20	4,5071521671538475775 9+002	21	,9261879877397721905 9+002	22	5,3641249825602094261 1+002
21	4,9268822331312912460 2+002	22	,3660169215189122278 3+002	23	5,8241397407772613174 0+002
22	5,3666477838895310483 3+002	23	,8258669470188848509 0+002	24	6,3041513958347184080 9+002
23	5,8264428461321959312 1+002	24	,3057347566118061505+002	25	6,8041606777333435947 8+002
24	6,3062626559202921706 0+002	25	,8056176278526393698 8+002	26	7,3241681255894750190 4+002
25	6,8061033754769518387 4+002	26	,3255133874572079610 7+002	27	7,8641741424334610853 4+002
26	7,3259618846831128057 2+002	27	,8654202091877541367 9+002	28	8,4241790329377163595 5+002
27	7,5658356254979940570 6+002	28	,4253365851380623386 9+002	29	9,0041830297873159779 8+002
28	8,4257224844459076223 8+002	29	,0526125520693282472+002	30	9,6041863123691028448 6+002
29	9,0056207025592582326 3+002	30	9,0519315991846324793+002	31	1,0224189020186695060 5+003
30	9,6355288071552250122+002	31	1,0225131403368820938 1+003	32	1,0864191262603729773 6+003
31	1,0225444555716619310 23+003	32	1,0865075227389738156 41+003	33	1,1524193125997888468 3+003
32	1,0865369899146596439 1+003	33	1,1525023970700407479 4+003	34	1,2204194679067247849 3+003
33	1,1525300937505524934+003	34	1,2204977085053432738 8+003	35	1,2904195976803467472 9+003
34	1,2205237901909521433 4+003	35	1,2904934085135199876 8+003	36	1,3624197063493085265 6+003
35	1,2905180133706749394 3+003	36	1,3624894553686400025 1+003	37	1,4364197975003431962 4+003
36	1,3625127069235713659+003	37	1,4364858127914934536 2+003	38	1,5124198740537199682 9+003
37	1,4365078187784311444 3+003	38	1,5124824491193003965 1+003	39	1,5904199383988996988 7+003
38	1,5125033082317305278+003	39	1,5904793366192115918 8+003	40	1,6704199925001378909 2+003
39	1,5904991366731721510 5+003	40	1,6704764509178712521 7+003	41	1,7524200379792250608 3+003
40	1,6704952709458290064 6+003	41	1,7524737705251769316 7+003	42	1,8364200761807104158 6+003
41	1,7524916815522552216 2+003	42	1,8364712764348972416 0+003	43	1,9224201082236144562 1+003
42	1,8364883435999512148 1+003	43	1,9224689517882752326 5+003	44	2,0104201350426537545 1+003
43	1,9224852333354287915 6+003	44	2,0104667815896227868 2+003	45	2,1004201574212755171 8+003
44	2,0104823307510880532 5+003	45	2,1004647524647808929 2+003	46	2,1924201760182595213 8+003
45	2,1004796177521797651 5+003	46	2,1924628524553679857 2+003	47	2,2864201913892403186 3+003
46	2,1924770781734599772 6+003	47	2,2864610708428059839 7+003	48	2,3824202040041972598 4+003
47	2,2864746975373470449 5+003	48	2,3824593979973288919 9+003	49	2,4804202142617280570 8+003
48	2,3824724625467279386 7+003	49	2,4804578252480010649 9+003	50	2,5804202225007444902 5+003
49	2,4804703624068586195 1+003	50	2,5804563447704719405 6+003	51	2,6824202290100927847 9+003

PROLATE EIGENVALUES M = 0.00

L	M = 0 EIGENVALUE	L	M = 1 EIGENVALUE	L	M = 2 EIGENVALUE
0	7,22157893069764882569•000	1	8,30005968009851777596•000	2	1,15278197924068986016•001
1	2,20921541975673030853•001	2	2,33806997271474520212•001	3	2,71900450773385921660•001
2	3,57064167371140980686•001	3	3,74007406174424808244•001	4	4,21457799109789545935•001
3	4,77570985931911876254•001	4	5,04178233959225885787•001	5	5,66717669433638459857•001
4	5,80167704952724916626•001	5	6,28460371618516025071•001	6	7,12819872693858241983•001
5	6,73647503346596044282•001	6	7,55616956667648204194•001	7	8,66284135297932077572•001
6	7,78252232921095591925•001	7	8,95191073352587607461•001	8	1,03281509088596245540•002
7	9,06914304284801727744•001	8	1,05291347635409197269•002	9	1,21600993789326125236•002
8	1,06011693905575716030•002	9	1,23071811294313047897•002	10	1,41766210875985747841•002
9	1,23577157716514901485•002	10	1,42894037474191672287•002	11	1,63857466143516838396•002
10	1,43275792249381356240•002	11	1,64754014031243691341•002	12	1,87910834929252384090•002
11	1,65055540807043383992•002	12	1,88643261906272322357•002	13	2,13943494543396948993•002
12	1,88888787960452028062•002	13	2,14554657094296057783•002	14	2,41964200431274679476•002
13	2,14759153d9649335733•002	14	2,42482870197376435167•002	15	2,71977694045953356144•002
14	2,42656221532782394918•002	15	2,72423995453882862950•002	16	3,03986676177300642436•002
15	2,72573050733188740574•002	16	3,04375161662387790824•002	17	3,37992751094490188162•002
16	3,04504843922915691832•002	17	3,38334236301765799915•002	18	3,73996905768053861419•002
17	3,38448190207050397521•002	18	3,74299615611344146908•002	19	4,11997656987499220800•002
18	3,74400605432773492029•002	19	4,12270077952168128932•002	20	4,52001737490619127263•002
19	4,12360243145184659061•002	20	4,52244681158182014612•002	21	4,94003091294922986751•002
20	4,52325706434099585275•002	21	4,94222690045606330202•002	22	5,38004010033552122498•002
21	4,94295921971905602552•002	22	5,38203524634214954696•002	23	5,84004619621316853817•002
22	5,38270053663984433946•002	23	5,84186722709263715334•002	24	6,32005007984688826096•002
23	5,84247442008567662085•002	24	6,32171912420365871475•002	25	6,82005237294676435651•002
24	6,32227561245533781098•002	25	6,82158791988175126194•002	26	7,34005351990039013889•002
25	6,82209987762317161511•002	26	7,34147114504812866092•002	27	7,88005384132424721979•002
26	7,34194377209474486712•002	27	7,88136676427465047877•002	28	8,44005357037520632113•002
27	7,88180447286850845105•002	28	8,44127308779871363544•002	29	9,02005287772605669853•002
28	8,44167964766434798696•002	29	9,02118870360620673130•002	30	9,62005188896782261908•002
29	9,02156735581765120777•002	30	9,62111242453829842278•002	31	1,02400506968788254983•003
30	9,62146597180880409032•002	31	1,02410432467540182102•003	32	1,08800493701679086468•003
31	1,02413741256945847777•003	32	1,08809803168541425736•003	33	1,15400479597662629770•003
32	1,08812906562937776319•003	33	1,15409229056678965467•003	34	1,22200465033957042052•003
33	1,15412145740971670194•003	34	1,22208703872065902684•003	35	1,29200450289125912124•003
34	1,22211450316508754916•003	35	1,29208222216547749983•003	36	1,36400435567736856072•003
35	1,29210812997432550265•003	36	1,36407779415391621365•003	37	1,43800421018667494846•003
36	1,36410227481264444363•003	37	1,43807371404157123995•003	38	1,51400406748777956223•003
37	1,43809688298116783566•003	38	1,51406994635651179094•003	39	1,59200392833178362048•003
38	1,51409190681993508817•003	39	1,59206646002999195563•003	40	1,67200379322976661300•003
39	1,59208730404765019301•003	40	1,67206322775724049257•003	41	1,75400366251149997844•003
40	1,67208309886264125332•003	41	1,75406022546381920674•003	42	1,83800353637010358021•003
41	1,75407908053120761906b•003	42	1,83805743185810878923•003	43	1,92400341489611432854•003
42	1,83807539747988454510•003	43	1,92405482805441272603•003	44	2,01200329810354045325•003
43	1,92407196617197953662•003	44	2,01205239725423877255•003	45	2,10200318594982199433•003
44	2,01206876398437001182•003	45	2,10205012447572705059•003	46	2,19400307835113891340•003
45	2,10206577045360712960•003	46	2,19404799632309638159•003	47	2,28800297519415431416•003
46	2,19406296924549964612•003	47	2,28804600078949080440•003	48	2,38400287634501726658•003
47	2,28806034288749843716•003	48	2,38404412708781338110•003	49	2,48200278165623517965•003
48	2,38405787724054404653•003	49	2,48204236550510078260•003	50	2,58200269097202198349•003
49	2,48205556030250615600•003	50	2,58204070727677073847•003	51	2,68400260413211285227•003

PROLATE EIGENVALUES H = 10.00

M = 0 L	M = 0 EIGENVALUE	M = 1 L	M = 1 EIGENVALUE	M = 2 L	M = 2 EIGENVALUE
0	9,22830429724994515101+000	1	1,02877687673914681708+001	2	1,34630843187435830224+001
1	2,81334637328267278140+001	2	2,93389180416144814701+001	3	3,29381783218490544409+001
2	4,58589526502349134376+001	3	4,73015154765926251666+001	4	5,15248465577210860345+001
3	6,22577004507743360069+001	4	6,41063901051295253902+001	5	6,93030762387965509845+001
4	7,69932888221748505281+001	5	7,97728908552789661461+001	6	8,65075450658132547359+001
5	8,97392672388050580543+001	6	9,46219960706494295731+001	7	1,03598469132783093321+002
6	1,01035430728085458239+002	7	1,09450187268095056991+002	8	1,21209735738956548105+002
7	1,12881065848800059825+002	8	1,25271444657879921906+002	9	1,39956944423703874166+002
8	1,27050825284769664001+002	9	1,42811596266407535252+002	10	1,60273042669502631066+002
9	1,43872008037477155799+002	10	1,62366878550363072848+002	11	1,82393497910185740498+002
10	1,63096652717099568358+002	11	1,84000229201069294182+002	12	2,06427851914283708166+002
11	1,84547613588524576405+002	12	2,07706761117858750395+002	13	2,32424422681866240009+002
12	2,08138389347061202044+002	13	2,33471272390577534939+002	14	2,60404784266528235618+002
13	2,33822950869550935044+002	14	2,61280388537618289728+002	15	2,90378877567037274788+002
14	2,61573781917784597945+002	15	2,91123882215144533252+002	16	3,22351384191659799815+002
15	2,91373128086345550539+002	16	3,22994131936194316869+002	17	3,56324501589030237294+002
16	3,23208950487775779083+002	17	3,56885451022485172592+002	18	3,92299213119499183128+002
17	3,57072805277785219529+002	18	3,92793557410079476015+002	19	4,30275896989416076527+002
18	3,92958583886523294179+002	19	4,30715189454551737165+002	20	4,70254629277584325089+002
19	4,30861794512772513165+002	20	4,70647833073797478358+002	21	5,12235338849039698118+002
20	4,77779024926351160590+002	21	5,12589527928579135946+002	22	5,56217887841848483859+002
21	5,12707679930414006051+002	22	5,56538728690449406684+002	23	6,02202113646282491626+002
22	5,56645741325535514758+002	23	6,02494204694256335013+002	24	6,50187850526427510582+002
23	6,02591617619153844057+002	24	6,50454966522796964560+002	25	7,00174940330035637873+002
24	6,50544042637081502363+002	25	7,00420211675928601936+002	26	7,52163237319848748263+002
25	7,00501997641327645069+002	26	7,52389283912642143216+002	27	8,06152609856908511250+002
26	7,52464655253835501555+002	27	8,06361642499621902409+002	28	8,62142940435289705191+002
27	8,08431337761501113757+002	28	8,62336833871697566581+002	29	9,20134124896421334103+002
28	8,62401445505841649525+002	29	9,20314497737178677462+002	30	9,80126071279447516970+002
29	9,20374633326532559509+002	30	9,80294304522863351859+002	31	1,04211869855596990824+003
30	9,81350391421563412144+002	31	1,04227599275974481570+003	32	1,10611193538028108787+003
31	1,04232843162232795582+003	32	1,10625933610236276400+003	33	1,17210571892013707271+003
32	1,10630847580331327063+003	33	1,17224414119788965300+003	34	1,24009999379616167538+003
33	1,17229024770209420353+003	34	1,24023024208772011275+003	35	1,31009471113768031319+003
34	1,24027365235943245119+003	35	1,31021749568505196370+003	36	1,38208982775204020020+003
35	1,31025842773497402072+003	36	1,38220577809884897975+003	37	1,45608530539919239899+003
36	1,38224443117595095080+003	37	1,45619494162816130481+003	38	1,53208111016111332442+003
37	1,45623154247398273060+003	38	1,53218501229084737399+003	39	1,61007721189514739613+003
38	1,53221964484593505985+003	39	1,61017578778094496931+003	40	1,69007358376075564900+003
39	1,61020464822230531484+003	40	1,69016723577187986670+003	41	1,77207020180999421700+003
40	1,69019845465159254235+003	41	1,77215929250025069886+003	42	1,85606704463305844213+003
41	1,77218899073241627537+003	42	1,85615190157844713531+003	43	1,94206409305126742570+003
42	1,85518013837975615338+003	43	1,94214501299483959496+003	44	2,03006132985085365334+003
43	1,94217194730821849587+003	44	2,03013858226845558979+003	45	2,12005873955182650080+003
44	2,03016433394272440856+003	45	2,12013256973147498226+003	46	2,21205630820698344215+003
45	2,12015718354881547387+003	46	2,21212693991794122253+003	47	2,30605402322684774293+003
46	2,21215048448434351443+003	47	2,30612166104110472046+003	48	2,40205187322692201919+003
47	2,30614420756080120332+003	48	2,40211670454502034826+003	49	2,50004984789417202714+003
48	2,40213831549624477061+003	49	2,50011204471859091756+003	50	2,60004793787010421047+003
49	2,50013277744509481067+003	50	2,60010765836231830005+003	51	2,70204613464818359981+003

PROLATE EIGENVALUES H = 20.00

M = 0		M = 1		M = 2	
L	EIGENVALUE	L	EIGENVALUE	L	EIGENVALUE
0	1.92399757992260223603+001	1	2.02670596762866436125+001	2	2.33480[illegible]19546901580081+001
1	5.81984039325712116167+001	2	5.92844987352578073014+001	3	6.25417957959508004784+001
2	9.60903879572856683811+001	3	9.72466619516978141419+001	4	1.00713[illegible]75236455177369+002
3	1.32865216451762070009+002	4	1.34106488325383412157+002	5	1.37825[illegible]52749025759197+002
4	1.68463102970323905257+002	5	1.69809671540544179936+002	6	1.73839[illegible]52803355980965+002
5	2.02812048691877943722+002	6	2.04292877549997492676+002	7	2.08716[illegible]79332389572490+002
6	2.35822858521870966995+002	7	2.37481594882877873957+002	8	2.42418[illegible]54977298371651+002
7	2.67380421558936837658+002	8	2.69288240042660214054+002	9	2.74919[illegible]26790930636098+002
8	2.97326228[illegible]6878475131+002	9	2.99613960287227324501+002	10	3.06228[illegible]51697625403305+002
9	3.25419140458776369928+002	10	3.28368547838825384272+002	11	3.36428[illegible]59450042110640+002
10	3.51263881[illegible]7749816231+002	11	3.55550487155385684381+002	12	3.65746[illegible]55338048600900+002
11	3.74364194[illegible]1856793510 4+002	12	3.81438568995174731871+002	13	3.94617[illegible]51736538909671+002
12	3.94935189281383531300+002	13	4.06794623323750414405+002	14	4.23668[illegible]99955866654797+002
13	4.15034219[illegible]3926777655+002	14	4.32743927710634753588+002	15	4.53577[illegible]00063664603239+002
14	4.3736223 24[illegible]1758645529+002	15	4.60289878052609778343+002	16	4.84901[illegible]36539870744570+002
15	4.63038009[illegible]6896795782+002	16	4.89977399053235930396+002	17	5.17998[illegible]75479533283950+002
16	4.91833706[illegible]1735123421+002	17	5.21970481516265071152+002	18	5.53055[illegible]40564242809300+002
17	5.23355724[illegible]2354633524+002	18	5.56265929855535657393+002	19	5.90149[illegible]26549436347623+002
18	5.57364015424772600737+002	19	5.92818376786543792246+002	20	6.29317[illegible]08743076305243+002
19	5.93721947[illegible]8430913480+002	20	6.31581592142635548796+002	21	6.70564[illegible]91483812959783+002
20	6.32344221[illegible]2658726730+002	21	6.72517100470116948706+002	22	7.13887[illegible]52701859980540+002
21	6.73172897[illegible]93835396830+002	22	7.15594271428127777035+002	23	7.59280[illegible]88456016942161+002
22	7.161664055[illegible]9612682894+002	23	7.60788863917929827477+002	24	8.06736[illegible]60574136659436+002
23	7.61293822[illegible]1338046665 0+002	24	8.08081596322638372383+002	25	8.56247[illegible]31446478515513+002
24	8.08531535405512421762+002	25	8.57457005440793942316+002	26	9.07808[illegible]18833091758737+002
25	8.57861143[illegible]5003035022+002	26	9.08902579533582975295+002	27	9.61412[illegible]42747957709388+002
26	9.09268069[illegible]9475295927 7+002	27	9.62408106313942233802+002	28	1.01705[illegible]23459331931350+003
27	9.62749606759799359355+002	28	1.01796518130455065152+003	29	1.07472[illegible]78795183889110+003
28	1.011626924[illegible]1275035052+003	29	1.07556683440639670047+003	30	1.13443[illegible]96839028724226+003
29	1.07584616548094598910+003	30	1.13520724370721736527+003	31	1.19616[illegible]43964150971686+003
30	1.13546490725229610715+003	31	1.19688151409252364497+003	32	1.25992[illegible]19387084126107+003
31	1.19712006493348872603+003	32	1.26058550440757412159+003	33	1.32569[illegible]68903997589796+003
32	1.26080709440140531935+003	33	1.32631569133314157897+003	34	1.39349[illegible]69412804974488+003
33	1.32652214636079538182+003	34	1.39406906128341411018+003	35	1.46330[illegible]26193035075035+003
34	1.39426194990106593257+003	35	1.46384302388605626260+003	36	1.53512[illegible]68872128649927+003
35	1.46402369251309735748+003	36	1.53563534222838125474+003	37	1.60896[illegible]47993311498525+003
36	1.53580496[illegible]9985310880+003	37	1.60944407623499077322+003	38	1.68481[illegible]32100912492058+003
37	1.60960366376921190511+003	38	1.68526753640957489336+003	39	1.76267[illegible]05265970520227+003
38	1.68541798777086192496+003	39	1.76310424581614751641+003	40	1.84254964984183755523+003
39	1.76324634898380694405+003	40	1.84295290865530801996+003	41	1.92443[illegible]20387727790856+003
40	1.84308735[illegible]97737783619+003	41	1.92481238415322394532+003	42	2.00831[illegible]90721302223341+003
41	1.92493980552387855879+003	42	2.00868166475625136530+003	43	2.09421[illegible]04040603022370+003
42	2.00880263758098967180+003	43	2.09455985783492400925+003	44	2.18211[illegible]96098180585181+003
43	2.09467481721856953452+003	44	2.18244617026371434559+003	45	2.27202[illegible]09387381512175+003
44	2.18255559[illegible]75984411524+003	45	2.27233989536937196486+003	46	2.36394[illegible]92319891713206+003
45	2.27244417[illegible]75703336097+003	46	2.36424040183951487841+003	47	2.45786[illegible]98516421808551+003
46	2.36433997[illegible]73765133296+003	47	2.45814712426097052736+003	48	2.55378[illegible]86193422753020+003
47	2.45824218174835364248+003	48	2.55405955501898178285+003	49	2.65171[illegible]17631499117038+003
48	2.55415046259440085196+003	49	2.65197723733745959802+003	50	2.75164958713494563816+003
49	2.65206426632909478179+003	50	2.75189975927973574191+003	51	2.85358[illegible]78522139740523+003

PROLATE EIGENVALUES H = 40.00

M = 0		M = 1		M = 2	
L	EIGENVALUE	L	EIGENVALUE	L	EIGENVALUE
0	3.92451586472512807492+001	1	4.02581518037133060413+001	2	4.32971038872762252725+001
1	1.18225466686802735228+002	2	1.19265504492191275947+002	3	1.22385526332474242287+002
2	1.96175382381690410392+002	3	1.97244720478333231858+002	4	2.00452557030575599085+002
3	2.73073422452024721815+002	4	2.74174620127341346600+002	5	2.77477919843085245328+002
4	3.48896541966072304813+002	5	3.50032519826745458301+002	6	3.53440004837436532551+002
5	4.23619937235799739108+002	6	4.24794049318693469686+002	7	4.28315727763286877331+002
6	4.97216812532407197111+002	7	4.98432937139770725214+002	8	5.02080370810754210891+002
7	5.69658098591225431381+002	8	5.70920756824411051925+002	9	5.74707402366482640794+002
8	6.40912120214691614450+002	9	6.42226624419123133686+002	10	6.46168273716542836884+002
9	7.10944180177864295023+002	10	7.12316835025938964943+002	11	7.16432191445877217778+002
10	7.79716053910015099139+002	11	7.81154422269329862326+002	12	7.85465666207994948630+002
11	8.47185353552903918835+002	12	8.48698619382189793802+002	13	8.53233242660967323525+002
12	9.13304718703774641795+002	13	9.14904193532399107415+002	14	9.19695223799161307619+002
13	9.78020771711600462240+002	14	9.79720615470097158620+002	15	9.84809419892325747877+002
14	1.04127273866981765195+003	15	1.04309101410662468670+003	16	1.04852998648214305450+003
15	1.10299053175472247858+003	16	1.10495085081144446387+003	17	1.11080768573483538077+003
16	1.16309218912318121901+003	17	1.16522623597199662649+003	18	1.17159045044229109064+003
17	1.22147995275941919662+003	18	1.22383182248714037805+003	19	1.23082503575965959968+003
18	1.27803435639664025767+003	19	1.28066833420208138795+003	20	1.28846098900174202694+003
19	1.33260426606070998167+003	20	1.33562035801139964658+003	21	1.34445947217329329785+003
20	1.38498835431198492758+003	21	1.38855725783089795771+003	22	1.39881174821915143829+003
21	1.43489720120792844706+003	22	1.43934752405052817266+003	23	1.45157462251131931412+003
22	1.48188059654329582506+003	23	1.48791542399888361288+003	24	1.50292795426664152988+003
23	1.52527052642850736308+003	24	1.53438891640749718761+003	25	1.55324191247187709666+003
24	1.56455613958297591173+003	25	1.57933398817008928947+003	26	1.60310744889800704341+003
25	1.60079288952520702262+003	26	1.62386687052542049933+003	27	1.65327169635203231855+003
26	1.63733074649359339485+003	27	1.66936486402718028536+003	28	1.70448261650453066508+003
27	1.67743961652095906973+003	28	1.71693525540438753466+003	29	1.75733646602282266638+003
28	1.72208777225218270113+003	29	1.76714824447331522192+003	30	1.81221750357785923910+003
29	1.77079391715985881532+003	30	1.82015769665029399918+003	31	1.86932873528955372027+003
30	1.82296111263850113763+003	31	1.87592583496542911794+003	32	1.92875485695383416425+003
31	1.87820123814894858284+003	32	1.93436109534029814712+003	33	1.99052115143425422510+003
32	1.93627046630350715051+003	33	1.99537058264034927337+003	34	2.05461665216375874076+003
33	1.99701141391958563742+003	34	2.05887360447058163907+003	35	2.12102157941534827901+003
34	2.06030803723163901162+003	35	2.12480279483392630405+003	36	2.18971080213396675860+003
35	2.12607348975285090427+003	36	2.19310227905888603187+003	37	2.26065875601816080309+003
36	2.19423989148571686265+003	37	2.26372553703316329616+003	38	2.33384116406706799619+003
37	2.26475287662219955047+003	38	2.33663356935040962866+003	39	2.40923570901847920914+003
38	2.33756809182091575071+003	39	2.41179343384608045773+003	40	2.48682221023389921117+003
39	2.41264679265147432441+003	40	2.48917709923992310947+003	41	2.56658257195921159733+003
40	2.48996418455285723966+003	41	2.56876054806967680986+003	42	2.64850063314454758317+003
41	2.56948818429524035577+003	42	2.65052307083857332940+003	43	2.73256198249363428494+003
42	2.65119850608674577483+003	43	2.73444670620962175441+003	44	2.81875376946744073790+003
43	2.73507597142548207746+003	44	2.82051579317380865393+003	45	2.90706452542128865266+003
44	2.82110396154265672026+003	45	2.90871660968460606371+003	46	2.99748400070183903269+003
45	2.90926797668133905201+003	46	2.99903707862913169111+003	47	3.09000301934810990123+003
46	2.99955532760258970075+003	47	3.09146652670301493994+003	48	3.18461435100933621253+003
47	3.09195481659204889367+003	48	3.18599548521334909695+003	49	3.28130759877651189368+003
48	3.16645657645062148527+003	49	3.28261552439096987866+003	50	3.38007910128390648884+003
49	3.26305161624127424467+003	50	3.38131911469762724783+003	51	3.48092184738689427585+003

PROLATE EIGENVALUES H = 60.00

M = 0		M = 1		M = 2	
L	EIGENVALUE	L	EIGENVALUE	L	EIGENVALUE
0	5.92468077600483414096+001	1	6.02553565072130457435+001	2	6.32809950548830592333+001
1	1.78233899000564677438+002	2	1.79259996390779803549+002	3	1.82338263798187142192+002
2	2.96201267204833865746+002	3	2.97245853301063965717+002	4	3.00379566043744279416+002
3	4.13135261917535788111+002	4	4.14199356689275972581+002	5	4.17391570182767076850+002
4	5.29021606518056524549+002	5	5.30106319247759559559+002	6	5.33360355886308742269+002
5	6.43845349344771448078+002	6	6.44951889466990861372+002	7	6.48271370912987821804+002
6	7.57959686934928591549 2+002	7	7.58720498593451323054+002	8	7.62109383516153997326+002
7	8.70241515471611886232+002	8	8.71395804041211469388+002	9	8.74858429884092405440+002
8	9.81780138776501816098+002	9	9.82960619576027090244+002	10	9.86501759961141114265+002
9	1.09218841620609320274+003	10	1.09339684802767644753+003	11	1.09702175289735634400+003
10	1.20144706457530506273+003	11	1.20268539288674245640+003	12	1.20639988526255511179+003
11	1.30953568315175116305+003	12	1.31080606969646484966+003	13	1.31461661101264489437+003
12	1.41643264280487487537+003	13	1.41773749864612916758+003	14	1.42165129207033212728+003
13	1.52211455925746014131+003	14	1.52345698499326573664+003	15	1.52748209417258725755+003
14	1.62655814739653711105+003	15	1.62794038186591817130+003	16	1.63208587447036729492+003
15	1.72973605285851853555+003	16	1.73116193259434842829+003	17	1.73543805514123570306+003
16	1.83162065613731138221+003	17	1.83309408855471281497+003	18	1.83751248106336552746+003
17	1.93216164319225016677+003	18	1.93370729752256714502+003	19	1.93828125940016382741+003
18	2.03136713483727999163+003	19	2.03296975625937803454+003	20	2.03771457880800012680+003
19	2.12920136490179369770+003	20	2.13084711539149161706+003	21	2.13578050598914594079+003
20	2.22556629401057530753+003	21	2.22730215445171038187+003	22	2.23244475762508333070+003
21	2.32050014144557530408+003	22	2.32229433005032514342+003	23	2.32767044663268409272+003
22	2.41389701131877383013+003	23	2.41577932026638919029+003	24	2.42141780372790617056+003
23	2.50572618023273765504+003	24	2.50770840315194440683+003	25	2.51364387947246695902+003
24	2.59593120013398602120+003	25	2.59802772427068563168+003	26	2.60430224024728077641+003
25	2.68444874944190112280+003	26	2.68667738692921899165+003	27	2.69334268767813120154+003
26	2.77120713289200191473+003	27	2.77359031881414334048+003	28	2.78071106231922017477+003
27	2.85612426767178099122 0+003	28	2.85869085603829101 33+003	29	2.86634925378435531685+003
28	2.93910457241676330298+003	29	2.94185292570611928075+003	30	2.95019566158303927459+003
29	3.02003694908285380023+003	30	3.02307897888962021887+003	31	3.03218659651439832785+003
30	3.09878500331549828806+003	31	3.10219184555830076265+003	32	3.11225960636674095 4+003
31	3.17516162834564638556+003	32	3.17904293294595256455+003	33	3.19036067105584778342+003
32	3.24901067248146129963+003	33	3.25350046586281950902+003	34	3.26645889697932411945+003
33	3.31997652123528405 41+003	34	3.32540206640258516110+003	35	3.34057453999539160599+003
34	3.38764037178087452718+003	35	3.39466744160219965865+003	36	3.41282661038866720818+003
35	3.45133186294443634865+003	36	3.46105829396510027726+003	37	3.48349837442215642607+003
36	3.51016646505728207955+003	37	3.52518272501609958540+003	38	3.55309561004979729260+003
37	3.56398067678019256323+003	38	3.58773059322310572258+003	39	3.62234525298226323239+003
38	3.61489922627188516026+003	39	3.65016689266649116157+003	40	3.69209457415570084193+003
39	3.66736637855968547351+003	40	3.71404206706807563975+003	41	3.76314420407608017369+003
40	3.72473936815886297025+003	41	3.78049447237240794248+003	42	3.83611081734150987182+003
41	3.78761196236313493156+003	42	3.85006742575175504034+003	43	3.91138936143048407 8+003
42	3.85525965853866855808+003	43	3.92288033961348399014+003	44	3.98917162904844137462+003
43	3.92695371409494888992+003	44	3.99886070696638488840+003	45	4.06955083854106828824+003
44	4.00221274031720713984+003	45	4.07788195243779466536+003	46	4.15253620008710908114+003
45	4.08072758013836818026+003	46	4.15981765156161560684+003	47	4.23810734345661510453+003
46	4.16226720552890619214+003	47	4.24455650624106373897+003	48	4.32622935413658588665+003
47	4.24673367600807261551+003	48	4.33200389107073903966+003	49	4.41686243131173752434+003
48	4.33394741429986451756+003	49	4.42209783735186809930+003	50	4.50996654840233255785+003
49	4.42383214668248447258+003	50	4.51471652664982246449+003	51	4.60550357838370322912+003

PROLATE EIGENVALUES M = 80.00

M = 0		M = 1		M = 2	
L	EIGENVALUE	L	EIGENVALUE	L	EIGENVALUE
0	7.924761873748381071340+001	1	8.025398888138215758580+001	2	8.327309615085776201580+001
1	2.382380164701594643810+002	2	2.392573755608324010820+002	3	2.423154428395646318290+002
2	3.962138135387821212610+002	3	3.972466741744079238160+002	4	4.003452381670373271870+002
3	5.531650043828741172890+002	4	5.542119110113441145630+002	5	5.573526038057419066510+002
4	7.090812479115291471040+002	5	7.101427795484529752890+002	6	7.133273367421351711530+002
5	8.639518485238760703220+002	6	8.650286217680745529010+002	7	8.682588914819213455560+002
6	1.017765735604588465470+003	7	1.018858407991121437460+003	8	1.022134360889457205290+003
7	1.170511441334138553760+003	8	1.171620715071360502140+003	9	1.174948455526529126380+003
8	1.322177076632490612390+003	9	1.323303702777287807670+003	10	1.326683481339514831620+003
9	1.472750305030602971230+003	10	1.473895088165106152760+003	11	1.477329315525446516540+003
10	1.622218314235838714890+003	11	1.623382117719855145070+003	12	1.626873380386345898480+003
11	1.770567785124418379140+003	12	1.771751537011000101390+003	13	1.775302614956975194870+003
12	1.917784857855460405650+003	13	1.918989557572943297310+003	14	1.922603444163346941490+003
13	2.063855094755813315530+003	14	2.065081820678985855250+003	15	2.068761745237344881360+003
14	2.208763439571387885370+003	15	2.210013357628023160730+003	16	2.213762811075975200920+003
15	2.352494172617310726190+003	16	2.353768546105203224720+003	17	2.357591310191231143660+003
16	2.495030861283773790420+003	17	2.496331062109063026060+003	18	2.500231242847396951310+003
17	2.636356305264223872130+003	18	2.637683826855979684530+003	19	2.641665892925721766370+003
18	2.776452475764080184130+003	19	2.777808947975253750380+003	20	2.781877774990471881626+003
19	2.915300447817107737490+003	20	2.916676541911654582600+003	21	2.920848575953966745950+003
20	3.052880324677299181210+003	21	3.054300222547342747170+003	22	3.058559090649665661960+003
21	3.189171153059385650310+003	22	3.190625897057944309250+003	23	3.194989150519882713490+003
22	3.324150827761483882840+003	23	3.325642797462062797280+003	24	3.330117544506375462830+003
23	3.457795983906524175970+003	24	3.459327816502828245600+003	25	3.463921931096007102650+003
24	3.590081874668610772570+003	25	3.591656503838543953230+003	26	3.596378740318410311270+003
25	3.720982231844344690900+003	26	3.722602934303640079480+003	27	3.727463064317395416820+003
26	3.850469106358675226910+003	27	3.852139557751024282530+003	28	3.857148534923836292690+003
27	3.978512683915521216890+003	28	3.980237027096402601040+003	29	3.985407186449423101600+003
28	4.105081072269970714640+003	29	4.106864000411819060450+003	30	4.112209301707875096171+003
29	4.230140052513907546680+003	30	4.231986911929647467990+003	31	4.237523239083787587770+003
30	4.353652787321242548990+003	31	4.355569705551489511610+003	32	4.361315238312104043490+003
31	4.475579475712021493040+003	32	4.477573522816368431400+003	33	4.483549202686650819490+003
32	4.595876941139385457190+003	33	4.597956335143003328060+003	34	4.604184455643048349600+003
33	4.714498135418564213900+003	34	4.716672507349348242320+003	35	4.723185470539296378650+003
34	4.831391535055974097610+003	35	4.833672275734485249130+003	36	4.840501574273525605870+003
35	4.946500397997834012780+003	36	4.948901119069362582200+003	37	4.956086629101633735950+003
36	5.059761836308831025150+003	37	5.062298994279026688980+003	38	5.069888704211806066100+003
37	5.171105641485003423300+003	38	5.173799399935957979500+003	39	5.181851762310837987200+003
38	5.280452769958064041390+003	39	5.283328219515401389040+003	40	5.291915412483528047440+003
39	5.387713349495230235490+003	40	5.390802228577826401680+003	41	5.400014830253595474430+003
40	5.492783988393128290250+003	41	5.496127570880458663760+003	42	5.506081041632409741510+003
41	5.595544028879721292070+003	42	5.599196985596189246700+003	43	5.610041954865087890330+003
42	5.695850116111800643830+003	43	5.699887651862560744570+003	44	5.711824888995546518400+003
43	5.793527885932383090250+003	44	5.798057935057641265390+003	45	5.811362047477031471660+003
44	5.888358273662565963350+003	45	5.893545162629836869790+003	46	5.908601639492587034810+003
45	5.980052894584498762320+003	46	5.986147659900823877670+003	47	6.003529215482709102710+003
46	6.068206789951976842390+003	47	6.075742138175820265320+003	48	6.096205348654656800780+003
47	6.152212912730848401050+003	48	6.162143678602291141680+003	49	6.186823355790112640270+003
48	6.231174706930467351230+003	49	6.245453128546973308050+003	50	6.275777433633028946110+003
49	6.304154218044177486290+003	50	6.326203573801829491400+003	51	6.363705682161379383930+003

PROLATE EIGENVALUES M =100.00

M = 0		M = 1		M = 2	
L	EIGENVALUE	L	EIGENVALUE	L	EIGENVALUE
0	9.92481011089832525505•001	1	1.80253177613414938377•002	2	1.03268405532558038476•002
1	2.98240456655917633377•002	2	2.99259843404141182621•002	3	3.02301998644780656075•002
2	4.96221221188876010172•002	3	4.97247240283788669448•002	4	5.00325208767507672359•002
3	6.93182497233445907287•002	4	6.94219486550492567262•002	5	6.97330441405512754788•002
4	8.89116178562397110447•002	5	8.90164492805385016607•002	6	8.93309417607389346989•002
5	1.08401394093330218434•003	6	1.08507395278041811030•003	7	1.08825396496302062093•003
6	1.27786723224539494527•003	7	1.27893933359485[illegible]241•003	8	1.28215560817785109564•003
7	1.47066726206828222539•003	8	1.47179186539425[illegible]282•003	9	1.47500563904123628866•003
8	1.66240499049033258412•003	9	1.66350253032084601873•003	10	1.66679510576202847651•003
9	1.85307111822919241599•003	10	1.85418205076009755996•003	11	1.85751480161996833316•003
10	2.04265606394084237395•003	11	2.04378087680030335039•003	12	2.04715925287633201134•003
11	2.23114997065680880932•003	12	2.23228917283820944691•003	13	2.23570470588156005114•003
12	2.41854267127147348749•003	13	2.41969680325416537709•003	14	2.42315911331118655764•003
13	2.60482368299274846839•003	14	2.60599331707300006921•003	15	2.60950211945420010294•003
14	2.78998218865954706489•003	15	2.79116793151775800871•003	16	2.79472504446989290705•003
15	2.97400701881833405389•003	16	2.97520951435050142733•003	17	2.97881686752016608842•003
16	3.15688663243806356645•003	17	3.15810656488739914513•003	18	3.16176620867401019725•003
17	3.33860906129106181993•003	18	3.33984719555368817260•003	19	3.34356130946930242979•003
18	3.51916206171349414139•003	19	3.52041909983729405082•003	20	3.52419001200395788105•003
19	3.69853274197621291429•003	20	3.69980954847400183434•003	21	3.70363973641361253096•003
20	3.87670788440549432104•003	21	3.87800534368145009429•003	22	3.88189745657613245920•003
21	4.05367374270149858325•003	22	4.05499280123300683405•003	23	4.05894967386402867978•003
22	4.22941604580787891407•003	23	4.23079771813561605876•003	24	4.23478238874392685354•003
23	4.40391996418244689349•003	24	4.40528533964361847390•003	25	4.40938106999721685210•003
24	4.57717007298496679374•003	25	4.97050323303328155356•003	26	4.58273062130730485796•003
25	4.74915031181248976241•003	26	4.75056669967971077228•003	27	4.75481534492602628517•003
26	4.91984394055733856417•003	27	4.92128782936563952066•003	28	4.92561890209398337091•003
27	5.08923349089743172179•003	28	5.09070635581440780293•003	29	5.09512426984609645488•003
28	5.25730071285100007532•003	29	5.25880415346561225966•003	30	5.26331369378355545237•003
29	5.42402651573511[illegible]088•003	30	5.42556227055090644571•003	31	5.43016863633555517260•003
30	5.58939090027572063[illegible]39•003	31	5.59096086586662874552•003	32	5.59566971996745590846•003
31	5.75337289833301588317•003	32	5.75497913968138053583•003	33	5.75979466471491941570•003
32	5.91595046706723975837•003	33	5.91759525080381059584•003	34	5.92252821933455171061•003
33	6.07710042313072880935•003	34	6.07878623966350556690•003	35	6.08384208525891593304•003
		35	6.23852792104881227229•003	36	6.24371483242566007368•003
		36	6.39679477999043098999•003	37	6.40212180591519240895•003
		37	6.55355984716607145258•003	38	6.55903702217740536716•003
		38	6.70879456062190874180•003	39	6.71443305345475591779•003
				40	6.86828089881753325360•003
				41	7.02054984002142070520•003
				42	7.17120728018709457519•003
				43	7.32021856310611102246•003

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13. ABSTRACT

The wave equation in prolate spheroidal coordinates was separated into radial and angle functions. The differential equation satisfied by the angle functions was written in the form of an eigenvalue problem, that is, as a linear operator operating on eigenfunctions to yield the same eigenfunctions multiplied by corresponding eigenvalues. The eigenvalues were numerically calculated by use of Galerkin's method. This method reduces to the evaluation of the characteristic roots of a large matrix. An 80 by 80 matrix is chosen and a detailed calculation on a high-speed computer leads to a tabulation. The table of prolate eigenvalues published here has the range $m = 0, 1, 2$; $\ell = m\ (1)\ m + 49$; $h = 0.1\ (0.1)\ 0.9, 1.0\ (0.2)\ 8.0, 10.0, 20.0\ (20.0)\ 100.0$. The precision is 21 significant figures.

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