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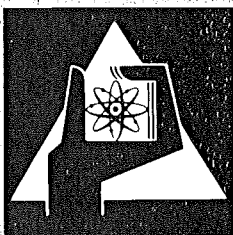
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Single Particle Levels and Wave Functions  
in a Nilsson Well with  $Y_4$  and  $Y_6$  Deformations

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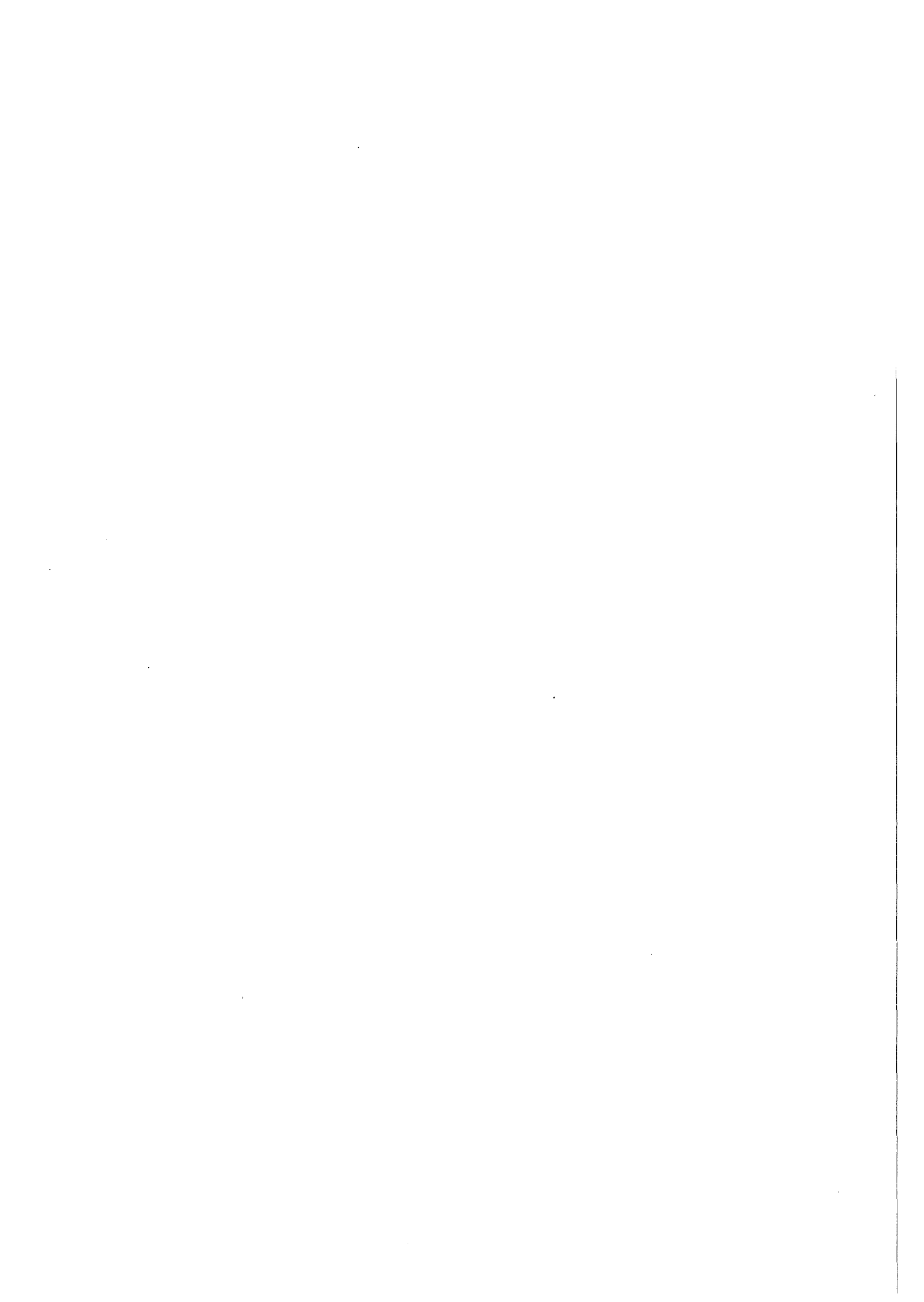
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## Abstract

Single particle energy levels and wave functions in a Nilsson well with  $Y_4$  and  $Y_6$  deformations are calculated. The Hamiltonian is diagonalized in Nilsson's alternative representation using the Jacobi method. Both the coefficients in the uncoupled and in the coupled representation can be calculated as well as the decoupling factors.

For the values 0.2 and 0.3 of the deformation parameter  $\epsilon_2$  tables are presented for the Nilsson states which have their leading components in the  $N=5,6$  and 7 shell. The deformation parameter  $\epsilon_4$  is varying from  $-0.075$  to  $0.075$  in steps of  $0.025$ . For the other parameters the following values have been chosen <sup>(7)</sup>:  $\kappa = 0.0635$ ,  $\mu = 0.336$ ,  $\epsilon_6 = 0$ .

## Zusammenfassung

Die Einteilchenenergieniveaus und ihre Wellenfunktionen in einem Nilssonpotential mit  $Y_4$  und  $Y_6$  Deformationen werden berechnet. Der Hamiltonoperator wird in Nilssons "alternative representation" mit Hilfe der Jacobi Methode diagonalisiert. Sowohl die Koeffizienten in der ungekoppelten als auch die in der gekoppelten Darstellung können ebenso wie die Entkopplungsfaktoren berechnet werden.

Die Tabellen enthalten die Nilssonzustände, die in der üblichen Klassifizierung die Hauptquantenzahlen  $N=5,6$  und 7 haben, für die Werte 0.2 und 0.3 des Deformationsparameters  $\epsilon_2$ . Der Deformationsparameter  $\epsilon_4$  variiert dabei von  $-0.075$  bis  $0.075$  in Schritten von  $0.025$ . Für die anderen Parameter sind folgende Werte gewählt worden <sup>(7)</sup>:  
 $\kappa = 0.0635$ ,  $\mu = 0.336$ ,  $\epsilon_6 = 0$ .

Introduction

The Nilsson model<sup>(1)</sup> with  $Y_4$  and  $Y_6$  deformations is defined by the Hamiltonian

$$H = H_0 + H_2 + H_4 + H_6 + V_{\text{corr}} \quad (1)$$

where<sup>(2)</sup>

$$H_0 = \frac{1}{2} h\omega_0 [-\Delta + \rho^2] \quad , \quad (2)$$

$$H_2 = \frac{1}{3} h\omega_0 \epsilon_2 \left\{ P_2 \left( \frac{\partial}{\partial \xi}, \frac{\partial}{\partial \eta}, \frac{\partial}{\partial \zeta} \right) - \rho^2 P_2(\hat{\xi}, \hat{\eta}, \hat{\zeta}) \right\}, \quad (3)$$

$$H_4 = h\omega_0 \epsilon_4 \rho^2 P_4(\hat{\xi}, \hat{\eta}, \hat{\zeta}) \quad , \quad (4)$$

$$H_6 = h\omega_0 \epsilon_6 \rho^2 P_6(\hat{\xi}, \hat{\eta}, \hat{\zeta}) \quad , \quad (5)$$

$$V_{\text{corr}} = -\chi h\omega_0 (2 \vec{I}^2 + \mu \vec{I}^2 - \mu \langle \vec{I}^2 \rangle) \quad , \quad (6)$$

$$\rho^2 = \xi^2 + \eta^2 + \zeta^2 \quad ,$$

$$\Delta = \frac{\partial^2}{\partial \xi^2} + \frac{\partial^2}{\partial \eta^2} + \frac{\partial^2}{\partial \zeta^2} \quad ,$$

$$P_2 \left( \frac{\partial}{\partial \xi}, \frac{\partial}{\partial \eta}, \frac{\partial}{\partial \zeta} \right) = \frac{1}{2} \left( 2 \frac{\partial^2}{\partial \zeta^2} - \frac{\partial^2}{\partial \xi^2} - \frac{\partial^2}{\partial \eta^2} \right) \quad .$$

The coordinates of the "alternative representation"<sup>(1)</sup> are connected with the usual x,y,z representation by the coordinate transformation

$$\xi = \left( \frac{M \omega_x}{h} \right)^{1/2} x \quad \text{etc.}, \quad (7)$$

where

$$\omega_x = \omega_y = \omega_0 \left( 1 + \frac{1}{3} \varepsilon_2 \right) ,$$

$$\omega_z = \omega_0 \left( 1 - \frac{2}{3} \varepsilon_2 \right) .$$

In general,  $\omega_0$  is a function of  $\varepsilon_2$ ,  $\varepsilon_4$  and  $\varepsilon_6$ . Both sets of coordinates are related to the intrinsic nuclear system. The arguments of the other Legendre polynomials  $P_L$  are the components  $\hat{\xi} = \xi/\rho$  etc. of a unit vector in the  $\xi, \eta, \zeta$  space. The spherical harmonics are connected with them by the equation

$$Y_{L0} = \left( \frac{2L+1}{4\pi} \right)^{1/2} P_L .$$

The orbital angular momentum operator  $\vec{I}$  is also defined by the  $\xi, \eta, \zeta$  coordinates. The factor  $\langle \vec{I}^2 \rangle$  means the average of the operator  $\vec{I}^2$  within a shell  $N$ , its value being  $1/2 N(N+3)$ ; it assures that the distance between the center of gravity points of two neighbored oscillator shells is just  $h\omega_0$ , which is otherwise decreased by the  $\vec{I}^2$ -term.

The quantities  $\chi$  and  $\mu$  are the well known Nilsson parameters. The deformation parameter  $\varepsilon_2$  is related to the deformation parameters  $\delta$  and  $\beta$  by

$$\varepsilon_2 = \delta + \frac{1}{6} \delta^2 + O(\delta^3) , \quad (8a)$$

$$\delta = \frac{3}{4} \left( \frac{5}{\pi} \right)^{1/2} \beta . \quad (8b)$$

The main reason for the introduction of the alternative representation is the fact that the matrix elements of  $H_2$  between states of different principal quantum numbers vanish. The coupling between such states are therefore due to  $H_4$  and  $H_6$  terms only. The two terms of  $H_2$  have the same matrix elements within one N-shell. For the calculation of those matrix elements, therefore,  $H_2$  can be written in the form

$$H_2 = -2/3 \hbar \omega_0 \epsilon_2 \rho^2 P_2 . \quad (9)$$

As a consequence of the commutation relations

$$[H, j^2] = [H, l^2] = [H, l_z] \neq 0 , \quad [H, j_z] \neq 0 \quad (10)$$

the eigenstates of the Hamiltonian (1) can be written

$$|\Omega\alpha\rangle = \sum_N \sum_j C_{j\Omega N}^\alpha |Nlj\Omega\rangle , \quad (11)$$

where  $\Omega$  is the eigenvalue of  $j_z$ . The angular momentum quantum number  $j$  is running from  $j=\Omega$  up to  $N + 1/2$ . Because of  $N = 2n + 1$ ,  $n=0,1,2,\dots$  and the conservation of parity only states with non-negative  $N$  values which differ by even integers are mixed. Different states with the same quantum number  $\Omega$  are distinguished by  $\alpha$ .

The basis states  $|Nlj\Omega\rangle$  are the eigenfunctions of the spherical Hamiltonian (2) in the coupled representation which is connected with the uncoupled representation  $|Nl\Lambda\Sigma\rangle$  by the relation

$$|Nlj\Omega\rangle = \sum_{\Lambda\Sigma} C(11/2j|\Lambda\Sigma\Omega) |Nl\Lambda\Sigma\rangle , \quad (12)$$

where  $\Lambda, \Sigma$  are the eigenvalues of the operators  $l_z$  and  $s_z$  and  $C(11/2j|\Lambda\Sigma\Omega)$  is a Clebsch-Gordan coefficient.



If the uncoupled representation is used as basis, the expansion is

$$|\Omega\alpha\rangle = \sum_N \sum_{1\Lambda\Sigma} a_{1\Lambda\Sigma}^\alpha |N1\Lambda\Sigma\rangle . \quad (13)$$

The expansion coefficients in (11) and (13) are related by the equations

$$a_{1\Lambda\Sigma}^\alpha = \sum_j C(11/2j|\Lambda\Sigma\Omega) C_{j\Omega N}^\alpha , \quad (14a)$$

$$C_{j\Omega N}^\alpha = \sum_{\Lambda,\Sigma} C(11/2j|\Lambda\Sigma\Omega) a_{1\Lambda\Sigma}^\alpha . \quad (14b)$$

The basis vector  $|N1\Lambda\Sigma\rangle$  is a product of a radial wave function, a spherical harmonic and a spin function

$$|N1\Lambda\Sigma\rangle = R_{n1}(\rho) Y_{1\Lambda} \chi_{1/2\Sigma} , \quad (15)$$

$$R_{n1}(\rho) \sim (-)^n \rho^1 e^{-\rho^2/2} {}_1F_1(-n, 1+3/2, \rho^2) . \quad (16)$$

The phase  $(-)^n$  makes the tails of the radial wave functions always positive for  $\rho \rightarrow \infty$  (Nilsson phase).

Because of the reflexion symmetries of the Hamiltonian (1) (or as a consequence of time-reversal invariance) the eigenstates are doubly degenerate <sup>(3)</sup>, to each energy level belonging two states which differ only in the sign of  $\Omega$ . These two states have the same expansion coefficients in (13)

$$a_{1\Lambda\Sigma N}^\alpha = a_{1,-\Lambda,-\Sigma,N}^\alpha . \quad (17)$$

This follows from the equation

$$\langle 1_1^{\Lambda_1} | Y_{L_0} | 1_2^{\Lambda_2} \rangle = \langle 1_1^{-\Lambda_1} | Y_{L_0} | 1_2^{-\Lambda_2} \rangle , \quad (18)$$

which is a consequence of the symmetry properties of the Clebsch-Gordan coefficients. From (17) and (14b) it is seen that

$$C_{j,-\Omega,N}^{\alpha} = (-)^{1+1/2-j} C_{j\Omega N}^{\alpha} . \quad (19)$$

Therefore it is not necessary to calculate the expansion coefficients of the states  $|- \Omega \alpha \rangle$ , and only states with positive  $\Omega$  are considered in the following.

### Method of Calculation

The Hamiltonian  $H/h\omega_0$  is diagonalized using the Jacobi method. From this diagonalization the energy eigenvalues in units of  $h\omega_0$  and the coefficients  $C_{j\Omega N}^{\alpha}$  are obtained. If in addition the coefficients  $a_{1\Lambda\Sigma N}^{\alpha}$  are needed they are calculated with the help of equation (14a). In order to simplify the notation, these coefficients are written  $C_{jN}$  and  $a_{1N}$  in the following.

The radial matrix elements are given by the formula (4)

$$\langle N1 | \rho^{\lambda} | N'1' \rangle = \left\{ \frac{\Gamma(1+n+3/2) \Gamma(1'+n'+3/2)}{n! n'! [\Gamma(1+3/2) \Gamma(1'+3/2)]^2} \right\}^{1/2} \Gamma(d) \times$$

$$\times (-)^{n+n'} \sum_{m=0}^n \frac{(-n)_m (d)_m}{(1+3/2)_m m!} {}_2F_1(-n', d+m, 1'+3/2, 1),$$

where  $t = \rho^2$ ,  $d = 1/2(1+1'+\lambda+3)$ ,  $n' = \frac{1}{2} (N'-1')$ . (20)

In spite of the fact that  $N$  is no longer a good quantum number, the states are classified by the asymptotic quantum numbers<sup>(1)</sup>  $N, n_z, \Lambda$ , where  $N$  is the shell to which the leading components belong.

This means that a state characterized in this way is reduced to the Nilsson state  $\Omega^\pi [\bar{N} n_z \Lambda]$  with good quantum number  $N$  if

$$\varepsilon_4 = \varepsilon_6 = 0.$$

In practice the range of the allowed  $N$  values must be cut off at some reasonable value. In the tabulated results of the eigenstates with leading components in the  $N=5,6$  or  $7$  shell, only shells with  $N < 10$  are taken into account in the diagonalization. The phases of the radial wave functions are defined in (16), they agree with the choice of phases of Nilsson<sup>(1)</sup> but differ from that of Morse and Feshbach<sup>(5)</sup> and of Chi<sup>(6)</sup> by the factor

$$P = (-)^{(N-1)/2} \quad . \quad (21)$$

The decoupling parameter

$$a = \sum_N \sum_j (-)^{j-1/2} (j+1/2) C_{jN}^2 \quad (22)$$

is calculated in the case  $\Omega=1/2$  and printed in the row, designated by  $A$ , following next to the row of the eigenvalues  $E$ .

### References

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3. H.A. Kramers, Proc. Acad. Amst. 33, 959 (1930).
4. F. Weller, Fortschritte Physik 19, 201 (1971).
5. P.M. Morse and H. Feshbach, Methods of Theoretical Physics, Vol. II, McGraw Hill, New York (1953).
6. B.E. Chi, Nucl. Phys. 83, 97 (1966).
7. P.v. Egidy et. al., Phys. Rev. C6, 266 (1972).

$\delta$	$\varepsilon_2$	$\beta$
0.0	0.0	0.0
0.01	0.010017	0.010569
0.02	0.020067	0.021138
0.03	0.030150	0.031707
0.04	0.040267	0.042275
0.05	0.050417	0.052844
0.06	0.060600	0.063413
0.07	0.070817	0.073982
0.08	0.081067	0.084551
0.09	0.091350	0.095120
0.10	0.101667	0.105689
0.11	0.112016	0.116257
0.12	0.122400	0.126826
0.13	0.132816	0.137395
0.14	0.143266	0.147964
0.15	0.153750	0.158533
0.16	0.164266	0.169102
0.17	0.174816	0.179671
0.18	0.185400	0.190239
0.19	0.196016	0.200808
0.20	0.206666	0.211377
0.21	0.217350	0.221946
0.22	0.228066	0.232515
0.23	0.238816	0.243084
0.24	0.249600	0.253653
0.25	0.260416	0.264222
0.26	0.271266	0.274790
0.27	0.282150	0.285359
0.28	0.293066	0.295928
0.29	0.304016	0.306497
0.30	0.315000	0.317066

Values of the deformation parameters  $\delta$ ,  $\varepsilon_2$  and  $\beta$  according to the relations (8a) and (8b).

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CALCULATION OF NILSSON SINGLE PARTICLE ENERGY LEVELS AND WAVE FUNCTIONS
C   IN A WELL WITH Y2, Y4 AND Y6 DEFORMATION
C   THE PROGRAM CALCULATES AND PRINTS THE CJ-COEFFICIENTS (COUPLED
C   REPRESENTATION). IF IN ADDITION THE USER WISHES TO PRINT OUT
C   THE AL-COEFFICIENTS (UNCOUPLED REPRESENTATION) THE INTEGER
C   VARIABLE ALPRINT MUST BE GIVEN A INTEGER VALUE DIFFERENT FROM
C   ZERO , OTHERWISE THE VARIABLE ALPRINT MUST HAVE THE VALUE 0
IMPLICIT REAL*8 (A-H,O-Z)
REAL*4 EPS2,CAPPA,SMU,EPS4,EPS6
INTEGER ALPRINT
DIMENSION L(30),J(30),F(30,30),CJ(30,30),AL(30,15),ADEC(15)
DIMENSION NHQ(30),LCRBIT(30),LZ(30),NDIM(10)
DIMENSION HN(15),CN(30,15),NCJ(15),NIAN(10),NIEND(10),QM(10)
COMMON H,CJ,EPS2,CAPPA,SMU,NF,L,J,KN,NC
COMMON/EP546/EP54,EP56,NCF,NHC,INLMP,INUMM,NIAN,NIEND
CALL ERRSET(208,256,-1)
MINUS1=-1
CLEBLD=CLEBSH(2,2,2,2,4,4)
REAC(5,1002) ALPRINT
1002 FORMAT(I5)
READ(5,1001) CAPPA,SMU
1001 FORMAT(2F10.5)
READ(5,1003)NH,EP52,EP54,EP56
1003 FORMAT(I5,3F10.5)
READ(5,1002) NMKN
DO 100 KNM=1,NMKN
REAC(5,1002) KN
1000 CONTINUE
IF((2*NH+1).GE.KN)GC TC 2
PRINT 900,NH,KN
900 FORMAT(1H0,'NH=',I2,2X,'AND KN=',I2,2X,'ARE NOT CONSISTENT')
GO TO 100
2 CALL NILSSN
PRINT 10,NH,KN,EP52 ,CAPPA,SMU,EP54,EP56
10 FORMAT(3HON=I1,3X,2HK=I2,2F/2,3X,6F EP52=F7.4,3X,6HKAPPA=F6.4,3X,3
IHMU=F6.4,3X,'EP54=',F6.4,3X,'EP56=',F6.4)
CALL JACOBI
JJ=C
NUM=INLMP+INUMM
NUM1=NUM+1
DO 89 I=1,NUM1
89 NDIM(I)=NIEND(I)-NIAN(I)+1
DO 207 I=1,NC
QM1=0.00
DO 901 M=1,NDP
901 QM1=QM1+ CJ(M,I)* CJ(M,I)
QM(I)=QM1
DO 902 NU=2,NUM1
QM(NU)=0.00
M1=NIAN(NU)
M2=NIEND(NU)
DO 902 M=M1,M2
902 QM(NU)=QM(NU) + CJ(M,I)* CJ(M,I)
IF(SMAX(QM,NUM1).NE. QM1) GC TC 207
JJ=JJ+1
NCJ(JJ)=I
207 CONTINUE

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DO 208 M=1,NDP
HN(M) =H(NCJ(M),NCJ(M))
DO 208 K=1,ND
208 CN(K,M)=CJ(K,NCJ(M))
DO 7 I=1,NDP
A=0.
IF(KN-1)6,4,6
4 DO 5 K=1,ND
5 A=A-DFLCAT(MINUS1**((J(K)+1)/2))* DFLOAT(J(K)+1)*0.5*CN(K,I)*
ICN(K,I)
ADEC(I)=A
6 CONTINUE
IF(ALPRINT .EQ.0) GC TC 7
CALCULATION OF AL-COEFFICIENTS
C   AL-COEFFICIENTS IN NILSSON'S NORMALIZATION
DO 101 N=1,NUM1
IF((NDIM(N)/2)*2-NCIM(N)) 21,20,21
20 IENC=NDIM(N)/2
ASSIGN 30 TC K4
GO TO 22
21 ASSIGN 31 TO K4
IENC=(NCIM(N)+1)/2
IEND2=IEND-1
22 M1=NIAN(N)
M2=NIAN(N)+IEND-1
DO 36 M=M1,M2
K=NIEND(N)-2*(M-M1)
SNEN=DFLCAT(4*L(K)+2)
LORBIT(M)=L(K)
LZ(M)=(KN-1)/2
IF(L(M1)-L(M1+1)) 23,24,23
24 AL(M,I)=DSQRT(DFLCAT(2*L(K)+KN+1)/SNEN)*CN(K,I)
1 -DSQRT(DFLCAT(2*L(K)-KN+1)/SNEN)*CN(K-1,I)
GO TO 36
23 IF(K=M1) 24,25,24
25 AL(M,I)=DSQRT(DFLCAT(2*L(K)+KN+1)/SNEN)*CN(K,I)
36 CONTINUE
MEND=M2
GO TO K4,(30,31)
31 IENC=IEND2
30 M2=NIAN(N)+IEND-1
DO 37 IK1=M1,M2
K=NIEND(N)-2*(IK1-M1)
SNEN=DFLOAT(4*L(K)+2)
M=MEND+IK1-M1+1
LORBIT(M)=L(K)
LZ(M)=(KN+1)/2
37 AL(M,I)=DSQRT(DFLCAT(2*L(K)-KN+1)/SNEN)*CN(K,I)
1 +DSQRT(DFLOAT(2*L(K)+KN+1)/SNEN)*CN(K-1,I)
101 CONTINUE
7 CONTINUE
C
WRITE(6,61) (FN(I),I=1,NCF)
61 FORMAT(5H0 E,5X,10F12.6)
IF(KN.NE.1) GC TC 63
WRITE(6,62) (ADEC(I),I=1,NCF)
63 CONTINUE
WRITE(6,65)

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WRITE(6,72)
62 FORMAT(5H0 A,5X,1CF12.6)
DO 67 K=1,ND
66 FORMAT(1H ,I2,I2,I3,2H/2,1X,1CF12.6)
67 WRITE(6,66) NF-C(K),L(K),J(K),(CN(K,I),I=1,NDP)
65 FORMAT(3H0 N,2H L,4H J,1X,35X,'CJ-COEFFICIENTS')
72 FORMAT(1X)
IF(ALPRNT .EQ.0) GC TC 110
WRITE(6,86)
86 FORMAT(1H0,'NORMALIZED AL-COEFFICIENTS')
INDEX=0
87 CONTINUE
WRITE(6,61) (FN(I),I=1,NCF)
WRITE(6,80)
80 FORMAT(4H0 N,3H L,3H LZ,1X,35X,'AL-COEFFICIENTS')
WRITE(6,72)
DO 81 K=1,ND
81 WRITE(6,88) NHQ(K),LGREIT(K),Lz(K),(AL(K,I),I=1,NDP)
88 FORMAT(1H ,I3,I3,I3,1X,1CF12.6)
IF(INDEX.EQ.1) GC TC 110
DO 27 I=1,NDP
Q=AL(1,I)
DO 27 M=1,ND
27 AL(M,I)=AL(M,I)/Q
C IN THIS FORM THE AL-COEFFICIENTS ARE TABULATED IN NILSSON'S PAPER
WRITE(6,78)
78 FORMAT(1H0,'AL-COEFFICIENTS IN NILSSON'S DEFINITION')
INDEX=1
GO TO 87
110 CONTINUE
EPS4=EPS4+0.05
IF(EPS4.LE. 0.13)GO TC2
EPS4=-0.1
100 CONTINUE
STOP
END

```

```

SUBROUTINE NILSON
IMPLICIT REAL*8 (A-H,C-Z)
REAL*4 EPS2,CAPPA,SMU,EPS4,EPS6
DIMENSION L(30),J(30),F(3C,3C),CJ(30,30),NHQ(30),NIAN(10),
NIEND(10)
COMMON H,CJ,EPS2,CAPPA,SMU,NF,L,J,KN,ND
COMMON/EPS46/EPS4, EPS6,NCF,NHQ,INUMP,INUMM,NIAN,NIEND
MINLS1=-1
MMH=(KN-1)/2
NDP=NH+1-MMH
DO 1 K=1,NDP
I=MMH+K
J(K)=KN+2*(K-1)
L(K)=((I+NH)/2)*2-NH
1 NHQ(K)=NH
IZIF=1
IEND=NDP
NIAN(1)=1
NIEND(1)=NDP
INUMP=1
INUMM=1
20 IF((INUMP*2+NF).GT.9) GO TO 19
GO TO 22
21 IF((NH-2*INUMM).LT.0 .CR.(2*(NF-2*INUMM)+1).LT. KN) GC TO 23
22 IAN=IEND+1
GO TO (24,25),IZIF
24 IEND=IEND + NDP + 2*INUMP
NIAN(INUMP+1)=IAN
NIEND(INUMP+1)=IEND
GO TO 26
25 IEND=IEND + NDP - 2*INUMM
NIAN(INUMP+INUMM)=IAN
NIEND(INUMP+INUMM)=IEND
26 DO 31 K= IAN,IEND
I=MMH + K- IAN + 1
J(K)=KN + 2*(K-IAN)
GO TO (27,28),IZIF
27 NHQ(K)=NH + 2 * INUMP
GO TO 31
28 NHQ(K)=NH - 2 * INUMM
31 L(K)=((I+NHQ(K))/2)*2 - NF-C(K)
GO TO (29,30), IZIF
29 INUMP=INUMP+1
GO TO 20
30 INUMM=INUMM+1
GO TO 21
19 CONTINUE
IZIF=2
GO TO 21
23 CONTINUE
INUMP=INUMP-1
INUMM=INUMM-1
ND= IEND
DO 7 K=1,ND
DO 7 I=1,K
S4=0.
S6=C.
IF(IABS(NHQ(I)-NHQ(K))-2)15,15,14

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```

14 S = 0.
GO TO 8
15 IF(I.GT.1 .AND. NHQ(I).EQ.NHQ(I-1).AND.L(I).EQ. L(I-1)) GO TO 16
SR=RADMAT(NHQ(I),L(I),2,NHC(K),L(K))
16 CONTINUE
SIG=(-1)**((J(K)-1)/2)
IF(EPS6.EQ.0.)GO TC 2
S6=SIG*DSQRT(DFLCAT(J(K)+1))*EPS6*SR*
1 WIG3J(J(I),J(K),12,1,-1,0)* CLEB (J(K),12,KN,0,J(I),KN)
2 CONTINUE
IF(EPS4.EQ.0.)GO TC 3
S4=SIG*DSQRT(DFLCAT(J(K)+1))*EPS4*SR*
1 WIG3J(J(I),J(K),8,1,-1,0) * CLEB (J(K),8,KN,0,J(I),KN)
3 CONTINUE
S=0.
IF(NHQ(I).NE.NHQ(K)) GO TC 4
CALL WIGNER(J(I),J(K),4,KN,-KN,X1)
CALL WIGNER(J(I),J(K),4,1,-1,X2)
S=-DFLCAT(MINUS1**((KN+1+J(I)+J(K))/2))*0.6666667*EPS2 * X1 * X2*
1DSQRT(DFLOAT((J(K)+1)*(J(I)+1)))*SR
4 CONTINUE
S=S+S4+S6
IF(I-K)8,6,8
6 S=CAPPA*((1.-SMU)*DFLCAT(L(K)*(L(K)+1)) -DFLGAT(J(K)*(J(K)
1+2))*0.25 + 0.75 ) +S
2 +DFLOAT(NHC(I))+1.5+CAPPA*SMU*DFLOAT((NHQ(I)+3)*NHQ(I)
3)*0.5
8 H(I,K)=S
7 H(K,I)=H(I,K)
RETURN
END

```

```

FUNCTION SMAX(QM,NUM)
IMPLICIT REAL*8 (A-F,C-Z)
DIMENSION QM(10)
SMAX=QM(1)
J=1
DO 2 K=2,NUM
IF(QM(K)-QM(J)) 2,2,1
1 SMAX=QM(K)
J=K
2 CONTINUE
RETURN
END

```

```

FUNCTION F21(A,B,C,N,X)
IMPLICIT REAL*8 (A-F,C-Z)
REAL*4 X
DIMENSION SA(2C),SE(2C),SC(2C),SABC(2C)
SABC(1)=(A*B*X)/C
IF(N-1)1,2,3
1 S=1.
GOTC 10
2 S=SABC(1)+1.
GO TO 10
3 S=1. + SABC(1)
DO 4 I=2,N
SI=DFLCAT(I+1)
II=I-1
SA(I)=A
SB(I)=B
SC(I)=C
DO 5 J=1,II
SA(J+1)=SA(J) *(A+DFLGAT(J))
SB(J+1)=SB(J) *(B+DFLCAT(J))
5 SC(J+1)=SC(J) *(C+DFLCAT(J))*DFLCAT(J+1)
SABC(I)=SA(I)*SB(I)*(X**I)/SC(I)
4 S=S+SABC(I)
10 F21=S
RETURN
END

```

C

```

FUNCTION WIG3J(LA,LB,LC,MA,ME,MC)
LA =2* ANGULAR MOMENTUM , ETC
IMPLICIT REAL*8 (A-F,C-Z)
ISIG=IABS((LA-LB-MC)/2)
SIG=(-1)**ISIG
SLC=DFLOAT(LC+1)
WIG3J = SIG * CLEB (LA,LB,MA,MB,LC,-MC)/DSQRT(SLC)
RETURN
END

```

```

SUBROUTINE JACCB1
IMPLICIT REAL*8 (A-H,C-Z)
REAL*4 EPS2,CAPPA,SMU
DIMENSION LL(30),JJ(30),A(30,30),B(30,30),Q(30),E(30)
COMMON A,B,EPS2,CAPPA,SMU,NH,LL,JJ,KN,N
S=0.00
DO10I=1,N
10 S=S+DABS(A(I,I))
   XN=DFLCAT(N)
   TEST=S/XN
   DO12I=1,N
   DO11J=1,N
11 B(I,J)=0.0
12 B(I,I)=1.0
   GOTC15
25 DO13I=2,N
   II=I-1
   DO13J=1,II
   P=A(I,J)
   IF(DABS(P)-AMAX)13,16,16
16 Y=(A(J,J)-A(I,I))/2.
   D=Y**2+P*A(J,I)
   IF(D)18,18,80
80 YSQ=Y+DSQRT(D)
   IF(YSQ)31,31,17
31 DD=Y**2+P*A(J,I)
   YY=DSQRT(DD)
   DENOM=Y+YY
   YSQ=DABS(DENOM)
   DSIGN=P*A(I,J)
   IF(DSIGN)32,75,75
32 YSQ=-YSQ
75 IF(YSQ)17,77,17
77 C=0.
   S=1.
   GO TO 78
17 X=P/YSQ
   GOTC19
18 X=P/Y
19 U=DSQRT(1.+X*X)
   C=1.0/U
   S=X*C
78 DO20K=1,N
   Y=A(K,I)
   Z=A(K,J)
   A(K,I)=C*Y-S*Z
   A(K,J)=S*Y+C*Z
   Y=B(K,I)
   Z=B(K,J)
   B(K,I)=C*Y-S*Z
20 B(K,J)=S*Y+C*Z
   DO 1 K=1,N
   Y=A(I,K)
   Z=A(J,K)
   A(I,K)=C*Y-S*Z
   1 A(J,K)=S*Y+C*Z
13 CONTINUE
15 S=0.00

```

```

DO21I=2,N
II=I-1
DO21J=1,II
IF(DABS(A(I,J))-S)21,21,22
22 S=DABS(A(I,J))
21 CONTINUE
23 R=S/TEST
   AMAX=S/5.0
   IF(R-1.00-6)24,24,25
24 DO26I=1,N
26 E(I)=A(I,I)
   N1=N-1
41 K=1
   DO 42 I=1,N1
   II=I+1
   IF(A(II,II).LE.A(I,I))GO TC 42
   K=I
   ZI=A(II,II)
   A(II,II)=A(I,I)
   A(I,I)=ZI
   DO 420 L=1,N
   ZI=B(L,II)
   B(L,II)=B(L,I)
   B(L,I)=ZI
420 CONTINUE
42 CONTINUE
   IF(K.EQ.1)GO TC 43
   N1=K-1
   GO TO 41
43 CONTINUE
C EIGENFUNKTIONEN NORMIEREN
DC 9 I=1,N
Q(I)=0.00
DO 8 K=1,N
8 Q(I)=Q(I)+B(K,I)*B(K,I)
9 Q(I)=1.00/DSQRT(Q(I))
DC 7 I=1,N
DO 7 K=1,N
7 B(K,I)=B(K,I)*C(I)
RETURN
END

```



```

SUBROUTINE WIGNER(JN1,JN2,JN3,MN1,MN2,Z)
C   BERECHNUNG DER WIGNERKOEFFIZIENTEN MIT 2 ODER 1 ALS
C   DRITTER KOMPONENTE NACH DEN FORMELN IN EDMONDS SEITE 149 BIS 151.
IMPLICIT REAL*8 (A-F,C-Z)
J1=JN1
J2=JN2
J3=JN3
M1=MN1
M2=MN2
M3=-(M1+M2)
IF(J1-M1)6,5,5
5 IF(J2-M2)6,4,4
4 IF(J3-J1-J2)7,7,6
6 Z=0.
RETURN
7 IF(J3-IABS(J1-J2))6,8,8
8 IF(J3-M3)6,9,9
9 SJ2=J2
SJ=SJ2/2.
SM1=M1
SM=SM1/2.
J32=J3/2
MINUS1=-1
MNA=0
MNI=1
MIG=1
GO TO (11,12,13),J32
13 WRITE(6,130)
130 FORMAT(15H J32 GRECESSER 2)
Z=0.
RETURN
11 MIG=MIG+1
12 IF(J1-J2)14,15,16
15 IF(M3)610,611,611
610 JM2=(J2+M1)/2
GO TO 612
611 JM2=(J2-M1)/2
612 IF(JM2)600,700C,700
600 JM2=-JM2
700 GO TO (17,18),MIG
18 A4=(2.*SJ)*(2.*SJ+2.)*(2.*SJ+1.)
ASSIGN 400 TO P
ASSIGN 402 TO N
GO TO 1001
17 A1=(2.*SJ+3.)*(2.*SJ+2.)*(2.*SJ+1.)*2.*SJ*(2.*SJ-1.)
ASSIGN 200 TO K
ASSIGN 203 TO L
ASSIGN 206 TO J
1001 SIGN=MINUS1**JM2
IF(M3)19,20,7C
20 GO TO (22,23),MIG
22 GO TO K,(200,201,202)
200 B11=2.*(3.*SM*SM-SJ*(SJ+1.))
Z=SIGN*B11/CSQRT(A1)
GO TO 395
201 B31=6.*(SJ+SM+2.)*(SJ+SM+1.)*(SJ-SM+2.)*(SJ-SM+1.)
Z=SIGN*DSQRT(B31/A3)
GO TO 395

```

```

202 B21=6.*(SJ+SM+1.)*(SJ-SM+1.)
Z=-SIGN*2.*SM*CSQRT(B21/A2)
GO TO 395
23 GO TO M,(400,401)
400 Z=SIGN*2.*SM/DSQRT(A4)
GO TO 395
401 B51=(SJ+SM+1.)*(SJ-SM+1.)*2.
Z=-SIGN*DSQRT(B51/A5)
395 GO TO (50,55),MNI
55 J42=(J1+J2+J3)/2
RZ=DFLCAT(MINUS1**J42)
Z=Z*RZ
50 RETURN
70 M32=M3/2
MNA=MNA+1
GO TO (24,25,26),M32
26 Z=0.
RETURN
24 GO TO(27,28),MIG
25 GO TO(33,34),MIG
34 Z=0.
RETURN
33 GO TO J,(206,207,208)
206 B12=6.*(SJ-SM-1.)*(SJ-SM)*(SJ+SM+1.)*(SJ+SM+2.)
Z=SIGN*DSQRT(B12/A1)
GO TO 295
207 B32=(SJ-SM-1.)*(SJ-SM)*(SJ-SM+1.)*(SJ-SM+2.)
Z=SIGN*DSQRT(B32/A3)
GO TO 295
208 B23=(SJ-SM-1.)*(SJ-SM)*(SJ-SM+1.)*(SJ+SM+2.)
Z=-SIGN*2.*DSQRT(B23/A2)
GO TO 295
19 SM=-SM
M3=-M3
J4=J1+J2+J3
J44=J4/4
IF(J4-4*J44)35,70,35
35 MNA=1
GO TO 70
28 GO TO N,(402,403)
402 B4=(SJ-SM)*(SJ+SM+1.)*2.
Z=SIGN*DSQRT(B4/A4)
GO TO 295
403 B52=(SJ-SM)*(SJ-SM+1.)
Z=-SIGN*DSQRT(B52/A5)
GO TO 295
27 GO TO L,(203,204,205)
203 B13=6.*(SJ+SM+1.)*(SJ-SM)
Z=SIGN*(1.+2.*SM)*DSQRT(B13/A1)
GO TO 295
204 B33=(SJ+SM+2.)*(SJ-SM+2.)*(SJ-SM+1.)*(SJ-SM)
Z=SIGN*2.*DSQRT(B33/A3)
GO TO 295
205 B22=(SJ-SM+1.)*(SJ-SM)
Z=-SIGN*2.*(SJ+2.*SM+2.)*DSQRT(B22/A2)
295 GO TO (29,30),MNI
29 IF(MNA-2) 31,32,31
30 IF(MNA-2) 55,31,55

```

```

32 Z=-Z
31 RETURN
16 J12=J1-J2
  IF(M3)607,608,608
607 JM2=(J2+M1)/2
  GO TO 609
608 JM2=(J2-M1)/2
609 IF(JM2)601,101,101
601 JM2=-JM2
101 JH=J12/2
  GO TO(36,37,38,38,38,38,38,38,38),JH
38 Z=0.
  RETURN
37 GO TO (39,38),MIG
39 A3=(2.*SJ+5.)*(2.*SJ+4.)*(2.*SJ+3.)*(2.*SJ+2.)*(2.*SJ+1.)
  ASSIGN 201 TO K
  ASSIGN 204 TO L
  ASSIGN 207 TO J
  GO TO 1001
36 GO TO (40,41),MIG
41 A5=(2.*SJ+3.)*(2.*SJ+2.)*(2.*SJ+1.)
  ASSIGN 401 TO M
  ASSIGN 403 TO N
  GO TO 1001
40 A2=(2.*SJ+4.)*(2.*SJ+3.)*(2.*SJ+2.)*(2.*SJ+1.)*2.*SJ
  ASSIGN 202 TO K
  ASSIGN 205 TO L
  ASSIGN 208 TO J
  GO TO 1001
14 SJ1=J1
  SJ=SJ1/2.
  SM2=M2
  SM=SM2/2.
  IF(M3)604,605,605
604 JM2=(J1+M2)/2
  GO TO 606
605 JM2=(J1-M2)/2
606 IF(JM2)602,603,603
602 JM2=-JM2
603 J12=J2-J1
  MNI=MNI+1
  GO TO 101
  END

```

```

FUNCTION RADMAT(NF,LF,LAMCA,NI,LI)
IMPLICIT REAL*8 (A-F,C-Z)
C
C MATRICELEMENTS OF (R**L) BETWEEN RADIAL HARMONIC OSCILLATOR
C FUNCTIONS WITH PHASE DEFINED BY SIG
C NILSSON PHASE IF SIG=(-1)**(NI+N)
C MORSE-FESHBACH PHASE IF SIG=1.
C FORMULA (3.7.2.) IN SLATER=CONFLUENT HYPERGEOMETRIC FUNCTIONS
C THE MATRICELEMENTS ARE IN UNITS OF ((H/(M*OMEGA))**L/2),WHERE
C H=PLANCK'S CONSTANT/(2*3.141593) ,M=NUCLEONMASS,
C H*OMEGA=(41/(A**0.3333333333333333)) MEV
C LAMCA =MULTIPLE
C
C NF NI PRINCIPLE QUANTUMNUMBERS
C LF AND LI ORBITAL ANGULAR MOMENTA QUANTUMNUMBERS
C DIMENSION SA(30),SE(30),SC(30),SABC(30)
NH=NI
NH1=NF
L=LI
L1=LF
N=(NH-L)/2
N1=(NH1-L1)/2
SIG=(-1)**(N1+N)
SN=DFLCAT(N)
SN1=DFLCAT(N1)
SL=DFLCAT(L)
SL1=DFLCAT(L1)
SAMDA=DFLOAT(LAMDA)
G=DSQRT(DGAMMA(SN+SL+1.5)*CGAMMA(SN1+SL1+1.5)/(DGAMMA(SN+1.)*
1DGAMMA(SN1+1.))*DGAMMA((SL+SL1+SAMDA+3.)*0.5)/(DGAMMA(SL+1.5)*
2DGAMMA(SL1+1.5))
B=DFLCAT(L+L1+LAMCA+3)*0.5
IF(N-1) 20,21,22
20 SM=F21(-SN1,B,SL1+1.5,N1,1.)
  GO TO 80
21 SM=F21(-SN1,B,SL1+1.5,N1,1.)+((-SN)*B*F21(-SN1,B+1.,SL1+1.5,N1,1.)
  1)/(SL+1.5)
  GO TO 80
22 S=F21(-SN1,B,SL1+1.5,N1,1.)+((-SN)*B*F21(-SN1,B+1.,SL1+1.5,N1,1.)
  1)/(SL+1.5)
  DO 24 I=2,N
  I1=I-1
  A=-SN
  SI=CFLOAT(I)
  C=SL+1.5
  SA(I)=A
  SB(I)=B
  SC(I)=C
  DO 23 J=1,I1
  SA(J+1)=SA(J) *(A+DFLCAT(J))
  SB(J+1)=SB(J) *(B+DFLCAT(J))
23 SC(J+1)=SC(J) *(C+DFLCAT(J))*CFLOAT(J+1)
  SABC(I)=SA(I)*SB(I)*F21(-SN1,B+SI,SL1+1.5,N1,1.)/SC(I)
24 S=S+SABC(I)
  SM=S
80 RADMAT=G*SM*SIG
  RETURN
  END

```



EPS4 = -0.075 -0.050 -0.025 0.000 0.025 0.050 0.075  
K= 5/2 (503)  
E 7.153351 7.174113 7.195044 7.215790 7.235969 7.255160 7.272885  
P N L J  
- 5 3 5/2 -0.986470 0.981496 -0.975237 0.968269 0.960728 0.952120 -0.940889  
- 5 3 7/2 -0.071066 0.093240 -0.113787 0.131764 0.146370 0.156695 -0.161500  
+ 5 5 9/2 0.128169 -0.160019 0.187354 -0.210910 -0.231116 -0.247993 0.260960  
+ 5 5 11/2 -0.008593 -0.003623 0.014696 -0.024690 -0.033635 -0.041487 0.048064  
+ 7 3 5/2 -0.006299 0.003720 -0.001608 0.0 0 -0.001077 -0.0001617 0.001663  
+ 7 3 7/2 -0.005987 0.006791 -0.003354 0.0 0 -0.003231 -0.006191 0.008841  
- 7 5 9/2 0.035719 -0.027044 0.013764 0.0 0 0.014109 0.028325 -0.042181  
- 7 5 11/2 0.037059 -0.022862 0.010442 0.0 0 0.007917 0.012244 -0.011145  
+ 7 7 13/2 -0.046003 0.030243 -0.014961 0.0 0 -0.014887 -0.030024 0.045796  
+ 7 7 15/2 0.003197 0.008363 -0.009788 0.0 0 -0.022714 -0.060911 0.118051  
- 9 3 5/2 -0.000609 0.000268 -0.000066 0.0 0 0.000063 0.000243 -0.000516  
- 9 3 7/2 -0.000076 0.000047 -0.000015 0.0 0 0.000023 0.000110 -0.000279  
+ 9 5 9/2 -0.000274 0.000118 -0.000029 0.0 0 0.000027 0.000097 -0.000177  
+ 9 5 11/2 0.000006 0.000025 -0.000013 0.0 0 0.000021 0.000089 -0.000180  
- 9 7 13/2 -0.000550 0.000195 -0.000036 0.0 0 0.000009 -0.000030 0.000243  
- 9 7 15/2 -0.000268 0.000189 -0.000064 0.0 0 0.000094 0.000436 -0.001130  
+ 9 9 17/2 0.000698 -0.000419 0.000132 0.0 0 -0.000190 -0.000889 0.002306  
+ 9 9 19/2 0.000385 -0.001260 0.000239 0.0 0 -0.000059 0.000218 -0.001742  
+ 3 3 5/2 0.0007833 -0.0006096 0.0003418 0.0 0 0.005001 0.008429 -0.013097  
+ 3 3 7/2 0.0005827 -0.0003925 0.001574 0.0 0 0.001593 0.004007 -0.006047

EPS4 = -0.075 -0.050 -0.025 0.000 0.025 0.050 0.075  
K= 5/2 (523)  
E 6.584074 6.563138 6.538471 6.510616 6.480098 6.447395 6.412916  
P N L J  
- 5 3 5/2 0.120464 0.161554 0.198239 0.230353 0.258195 -0.282234 -0.303020  
- 5 3 7/2 -0.824781 -0.805526 -0.783692 -0.761650 -0.741064 0.722618 0.706204  
+ 5 5 9/2 0.451587 0.514620 0.535710 0.552698 0.564576 -0.571437 -0.574019  
+ 5 5 11/2 0.226322 0.234557 0.241528 0.247694 0.253694 -0.260148 -0.267549  
+ 7 3 5/2 -0.011342 -0.007594 -0.003822 0.0 0 0.003892 -0.007871 -0.011953  
+ 7 3 7/2 0.012285 0.008946 0.004790 0.0 0 -0.005295 0.011009 0.017081  
- 7 5 9/2 -0.002207 -0.003759 -0.002622 0.0 0 0.003854 -0.008694 -0.014315  
- 7 5 11/2 0.002556 0.001291 0.000443 0.0 0 -0.000114 -0.000010 -0.000295  
+ 7 7 13/2 0.014255 0.009309 0.004515 0.0 0 -0.004212 0.008142 0.011823  
+ 7 7 15/2 -0.103771 -0.066410 -0.031698 0.0 0 0.028652 -0.054442 -0.077627  
- 9 3 5/2 0.000101 0.000058 0.000018 0.0 0 0.000022 -0.000097 -0.000236  
- 9 3 7/2 -0.000058 -0.000023 -0.000008 0.0 0 -0.000057 0.000023 0.000150  
+ 9 5 9/2 0.000351 0.000159 0.000041 0.0 0 0.000042 -0.000173 -0.000397  
+ 9 5 11/2 -0.000160 -0.000063 -0.000015 0.0 0 -0.000010 0.000032 0.000060  
- 9 7 13/2 -0.000040 -0.000027 -0.000008 0.0 0 -0.000013 0.000058 0.000147  
- 9 7 15/2 0.000083 0.000080 0.000030 0.0 0 0.000045 -0.000208 -0.000518  
+ 9 9 17/2 0.000796 0.000297 0.000061 0.0 0 0.000037 -0.000108 -0.000164  
+ 9 9 19/2 -0.002009 -0.000850 -0.000201 0.0 0 -0.000178 0.000667 0.001407  
+ 3 3 5/2 0.032578 0.022565 0.011709 0.0 0 -0.012495 0.025696 0.039569  
+ 3 3 7/2 -0.002194 -0.001858 -0.000781 0.0 0 0.000480 -0.000668 -0.000559

K= 5/2 (512)  
E 6.707952 6.681953 6.656340 6.631157 6.606408 6.582088 6.558205  
P N L J  
- 5 3 5/2 -0.073576 -0.084461 0.090310 0.093205 -0.094852 0.096380 0.098370  
- 5 3 7/2 -0.515644 -0.541478 0.565149 0.584105 -0.597176 0.604433 0.606653  
+ 5 5 9/2 -0.852051 -0.835269 0.818062 0.802259 -0.789024 0.778674 0.770889  
+ 5 5 11/2 0.002332 0.027475 -0.053921 -0.080719 0.107246 -0.133243 -0.158706  
+ 7 3 5/2 0.001475 0.000723 -0.000244 0.0 0 -0.000075 0.000071 0.000050  
+ 7 3 7/2 0.010735 0.007644 -0.004090 0.0 0 -0.004606 0.009650 0.015038  
- 7 5 9/2 0.015900 0.010802 -0.005430 0.0 0 -0.005386 0.010715 0.016022  
- 7 5 11/2 0.020761 0.014339 -0.007377 0.0 0 -0.007706 0.015685 0.023903  
+ 7 7 13/2 0.020043 0.012936 -0.006288 0.0 0 -0.005926 0.011443 0.016505  
+ 7 7 15/2 -0.022311 -0.016946 0.009105 0.0 0 0.009704 -0.019316 -0.028311  
- 9 3 5/2 -0.000064 -0.000029 0.000008 0.0 0 -0.000007 0.000025 0.000055  
- 9 3 7/2 -0.000313 -0.000150 0.000041 0.0 0 -0.000045 0.000190 0.000443  
+ 9 5 9/2 -0.000249 -0.000112 0.000029 0.0 0 -0.000029 0.000119 0.000276  
+ 9 5 11/2 -0.000352 -0.000164 0.000042 0.0 0 -0.000046 0.000191 0.000444  
- 9 7 13/2 -0.000270 -0.000129 0.000034 0.0 0 -0.000038 0.000157 0.000367  
- 9 7 15/2 0.000187 0.000093 -0.000026 0.0 0 0.000033 -0.000143 -0.000347  
+ 9 9 17/2 0.000710 0.000320 -0.000080 0.0 0 0.000078 -0.000306 -0.000670  
+ 9 9 19/2 0.000558 0.000250 -0.000063 0.0 0 0.000066 -0.000277 -0.000659  
+ 3 3 5/2 -0.025046 -0.018801 0.009106 0.0 0 0.008609 -0.016872 -0.024927  
+ 3 3 7/2 -0.010663 -0.007026 0.003456 0.0 0 0.003301 -0.006404 -0.009268

K= 5/2 (532)  
E 5.855773 5.846327 5.832224 5.817426 5.801897 5.785599 5.768490  
P N L J  
- 5 3 5/2 -0.036309 -0.032814 -0.029552 -0.026553 -0.023862 0.021537 -0.019653  
- 5 3 7/2 0.192822 0.210359 0.228634 0.247688 0.267565 -0.288295 0.309910  
+ 5 5 9/2 -0.113005 -0.102106 -0.091106 -0.080142 -0.069370 0.058963 -0.049122  
+ 5 5 11/2 0.973116 0.971292 0.968674 0.965154 0.960612 -0.954917 0.947928  
+ 7 3 5/2 -0.000584 -0.000312 -0.000117 0.0 0 0.000034 0.000021 -0.000178  
+ 7 3 7/2 -0.006287 -0.004490 -0.002406 0.0 0 0.002763 -0.005921 0.009522  
- 7 5 9/2 -0.003246 -0.002352 -0.001271 0.0 0 0.001455 -0.003089 0.004885  
- 7 5 11/2 -0.006158 -0.004483 -0.002435 0.0 0 0.002839 -0.006098 0.009787  
+ 7 7 13/2 -0.013934 -0.009398 -0.004755 0.0 0 0.004875 -0.009875 0.015002  
+ 7 7 15/2 0.015352 0.010555 0.005445 0.0 0 -0.005810 0.012019 -0.018665  
- 9 3 5/2 -0.000023 -0.000010 -0.000002 0.0 0 -0.000002 0.000010 -0.000023  
- 9 3 7/2 0.000134 0.000064 0.000017 0.0 0 0.000020 -0.000089 0.000216  
+ 9 5 9/2 0.000061 0.000029 0.000008 0.0 0 0.000009 -0.000037 0.000088  
+ 9 5 11/2 0.000134 0.000063 0.000017 0.0 0 0.000019 -0.000080 0.000191  
- 9 7 13/2 0.000072 0.000037 0.000010 0.0 0 0.000013 -0.000059 0.000145  
- 9 7 15/2 -0.000097 -0.000049 -0.000014 0.0 0 -0.000017 0.000074 -0.000185  
+ 9 9 17/2 -0.000235 -0.000107 -0.000028 0.0 0 -0.000029 0.000119 -0.000274  
+ 9 9 19/2 0.000064 0.000020 0.000003 0.0 0 -0.000001 0.000012 -0.000048  
+ 3 3 5/2 0.020999 0.014791 0.007802 0.0 0 -0.008656 0.018181 -0.028570  
+ 3 3 7/2 0.028598 0.019343 0.009818 0.0 0 -0.010136 0.020610 -0.031438

EPS4 = -0.075 -0.050 -0.025 0.000 0.025 0.050 0.075

K= 3/2 (501)

Table with columns E, F N L J and 8 data columns. Rows include values for E (7.077726 to 7.192213) and F N L J (5 1 3/2 to 1 1 3/2).

EPS4 = -0.075 -0.050 -0.025 0.000 0.025 0.050 0.075

K= 3/2 (521)

Table with columns E, F N L J and 8 data columns. Rows include values for E (6.509224 to 6.417366) and F N L J (5 1 3/2 to 1 1 3/2).

K= 3/2 (512)

Table with columns E, F N L J and 8 data columns. Rows include values for E (6.973460 to 6.834413) and F N L J (5 1 3/2 to 1 1 3/2).

K= 3/2 (532)

Table with columns E, F N L J and 8 data columns. Rows include values for E (6.322749 to 6.255634) and F N L J (5 1 3/2 to 1 1 3/2).

EPS4 = -0.075 -0.050 -0.025 0.000 0.025 0.050 0.075

K= 3/2 (541)

E	5.662061	5.681920	5.698911	5.714128	5.727614	5.739368	5.749342
F N L J							
+ 5 1 3/2	0.078266	0.069943	0.061658	0.054250	0.047394	0.041621	
- 5 3 5/2	-0.084949	-0.070608	-0.055970	-0.040964	-0.025497	-0.009470	0.007219
+ 5 5 7/2	0.352366	0.345513	0.341434	0.339164	0.339368	0.342340	0.348430
+ 5 5 9/2	-0.118542	-0.100737	-0.082092	-0.062666	-0.042506	-0.021652	-0.000147
+ 5 5 11/2	0.915886	0.924598	0.931578	0.935701	0.937383	0.936572	0.933128
- 7 1 3/2	0.001977	0.001202	0.000543	0.0	-0.000422	-0.000710	-0.000838
+ 7 3 5/2	-0.005157	-0.003398	-0.001688	0.0	0.001728	0.003558	0.005553
+ 7 3 7/2	0.004835	0.002617	0.001020	0.0	-0.000469	-0.000391	0.000261
- 7 5 9/2	-0.013208	-0.008337	-0.003960	0.0	0.003620	0.006987	0.010196
- 7 5 11/2	0.022025	0.013609	0.006302	0.0	-0.005395	-0.009985	-0.013871
+ 7 7 13/2	-0.020557	-0.012820	-0.005971	0.0	0.005100	0.009331	0.012689
+ 7 7 15/2	0.060761	0.039662	0.019449	0.0	-0.018824	-0.037176	-0.055230
+ 9 1 3/2	0.000118	0.000049	0.000011	0.0	0.000010	0.000039	0.000085
- 9 3 5/2	-0.000130	-0.000048	-0.000010	0.0	-0.000005	-0.000014	-0.000013
- 9 3 7/2	0.000369	0.000152	0.000036	0.0	0.000032	0.000124	0.000271
+ 9 5 9/2	-0.000339	-0.000132	-0.000029	0.0	-0.000022	-0.000073	-0.000136
+ 9 5 11/2	0.000634	0.000253	0.000057	0.0	0.000045	0.000162	0.000326
- 9 7 13/2	-0.000753	-0.000310	-0.000072	0.0	-0.000063	-0.000237	-0.000506
- 9 7 15/2	0.001316	0.000531	0.000120	0.0	0.000098	0.000351	0.000704
+ 9 9 17/2	-0.001256	-0.000524	-0.000123	0.0	-0.000105	-0.000410	-0.000871
+ 9 9 19/2	0.002954	0.001242	0.000294	0.0	0.000266	0.001013	0.002178
- 3 1 3/2	-0.050337	-0.033016	-0.016187	0.0	0.015386	0.029799	0.043033
+ 3 3 5/2	0.028390	0.018553	0.009113	0.0	-0.008854	-0.017514	-0.026055
+ 3 3 7/2	-0.006245	-0.003780	-0.001693	0.0	0.001286	0.002154	0.002594
+ 1 1 3/2	-0.000256	-0.000109	-0.000026	0.0	-0.000024	-0.000091	-0.000196

EPS4 = -0.075 -0.050 -0.025 0.000 0.025 0.050 0.075

K= 1/2 (501)

E	7.203553	7.223068	7.243332	7.264009	7.284881	7.304207	7.324367
A	1.112365	1.094068	1.071628	1.049074	0.973498	0.147347	0.701777
F N L J							
+ 5 1 1/2	0.860619	-0.845621	0.829223	0.812614	0.793827	0.741816	-0.753160
+ 5 1 3/2	0.281933	-0.303124	0.321583	0.336684	0.346705	0.342972	-0.359946
- 5 3 5/2	-0.409754	0.422249	-0.433730	-0.443936	-0.451027	-0.439407	0.460657
- 5 3 7/2	-0.029684	0.062376	-0.090691	-0.114561	-0.138429	-0.117967	0.142685
+ 5 5 9/2	0.071538	-0.091222	0.109104	0.125518	0.140606	0.146322	-0.165675
+ 5 5 11/2	-0.009014	-0.000470	0.009637	0.018567	0.026031	0.041343	-0.049430
- 7 1 1/2	0.005428	-0.002019	0.000449	0.0	0.000030	0.002107	-0.002882
- 7 1 3/2	-0.000555	-0.001658	0.001516	0.0	-0.001885	-0.005265	0.006968
+ 7 3 5/2	-0.000585	0.000179	-0.003840	0.0	0.004391	0.010078	-0.015015
+ 7 3 7/2	-0.038659	0.021660	-0.008833	0.0	0.002556	0.025391	-0.022518
- 7 5 9/2	0.046130	-0.028299	0.013246	0.0	-0.012139	-0.022015	0.033739
- 7 5 11/2	0.021885	-0.019700	0.013493	0.0	-0.040893	0.068497	-0.005977
+ 7 7 13/2	-0.032720	0.023186	-0.012076	0.0	0.012755	0.023151	-0.036904
+ 7 7 15/2	-0.021591	0.014741	-0.003326	0.0	-0.067461	0.308125	-0.192164
+ 9 1 1/2	0.001044	-0.000364	0.000072	0.0	0.000029	0.000361	-0.000543
+ 9 1 3/2	-0.000473	0.000049	0.000023	0.0	0.000159	-0.000628	0.000162
- 9 3 5/2	0.000675	-0.000141	0.000007	0.0	-0.000041	0.000086	0.000075
- 9 3 7/2	-0.001097	0.000232	0.000002	0.0	0.000275	-0.001578	0.000952
+ 9 5 9/2	0.000986	-0.000222	0.000017	0.0	-0.000056	0.000133	0.000138
+ 9 5 11/2	-0.001612	0.000350	0.000005	0.0	0.000442	-0.002535	0.001534
- 9 7 13/2	0.001129	-0.000270	0.000024	0.0	-0.000076	0.000357	-0.000093
- 9 7 15/2	-0.002888	0.000756	-0.000019	0.0	0.001132	-0.007787	0.005706
+ 9 9 17/2	0.001656	-0.000548	0.000099	0.0	-0.000024	0.000910	-0.001042
+ 9 9 19/2	0.000115	-0.000565	0.000399	0.0	0.003064	-0.019047	0.013590
- 3 1 1/2	-0.004381	0.000408	-0.002495	0.0	0.003296	0.006360	-0.010883
- 3 1 3/2	-0.005610	0.006488	-0.003289	0.0	0.003345	0.006909	-0.010729
+ 3 3 5/2	0.003416	-0.002243	0.001107	0.0	-0.001063	-0.002118	0.003173
+ 3 3 7/2	0.005119	-0.003312	0.001605	0.0	-0.001521	-0.002607	0.004006
+ 1 1 1/2	0.000055	-0.000024	0.000006	0.0	0.000005	0.000018	-0.000041
+ 1 1 3/2	0.000011	-0.000005	0.000001	0.0	0.000001	0.000006	-0.000013

EPS4 =	-0.075	-0.050	-0.025	0.000	0.025	0.050	0.075
K= 1/2 (510)							
E	6.923581	6.913609	6.892337	6.870191	6.847581	6.824941	6.802722
A	0.363246	0.373647	0.401573	0.448641	0.512606	0.590752	0.680087
F N L J							
+ 5 1 1/2	-0.081203	0.073819	0.070499	0.071357	0.076310	-0.084945	-0.096481
+ 5 1 3/2	-0.671756	0.666144	0.655357	0.640379	0.621532	-0.599085	-0.573433
- 5 3 5/2	-0.597917	0.600048	0.601702	0.602699	0.602499	-0.600347	-0.595272
- 5 3 7/2	0.273453	-0.286613	-0.301115	-0.314704	-0.327359	0.339402	0.351067
+ 5 5 9/2	0.317495	-0.322170	-0.331108	-0.344484	-0.362156	0.383924	0.409626
+ 5 5 11/2	-0.020762	0.034655	0.048347	0.062194	0.076259	-0.090515	-0.104891
- 7 1 1/2	0.000264	0.000565	0.000448	0.0	-0.000602	0.001237	0.001791
- 7 1 3/2	0.004807	-0.005779	-0.003609	0.0	0.004579	-0.009847	-0.015544
+ 7 3 5/2	0.017472	-0.011159	-0.005497	0.0	0.005312	-0.010375	-0.015145
+ 7 3 7/2	-0.017936	0.008193	0.003277	0.0	-0.002181	0.003348	0.003526
- 7 5 9/2	-0.016495	0.010541	0.004985	0.0	-0.004669	0.009262	0.013907
- 7 5 11/2	-0.061750	0.033990	0.015300	0.0	-0.013033	0.024051	0.033116
+ 7 7 13/2	-0.047864	0.030830	0.014719	0.0	-0.013180	0.024658	0.034185
+ 7 7 15/2	0.032845	-0.031259	-0.016683	0.0	0.016460	-0.031988	-0.046399
+ 9 1 1/2	0.000230	-0.000039	-0.000004	0.0	0.000001	-0.000015	-0.000051
+ 9 1 3/2	-0.001096	0.000355	0.000076	0.0	0.000063	-0.000232	-0.000488
- 9 3 5/2	0.000060	0.000076	0.000029	0.0	0.000040	-0.000176	-0.000420
- 9 3 7/2	-0.001008	0.000193	0.000022	0.0	-0.000003	0.000062	0.000142
+ 9 5 9/2	0.000158	0.000017	0.000010	0.0	0.000015	-0.000061	-0.000138
+ 9 5 11/2	-0.001659	0.000308	0.000032	0.0	-0.000017	0.000133	0.000415
- 9 7 13/2	0.000098	0.000003	-0.000001	0.0	-0.000006	0.000030	0.000082
- 9 7 15/2	-0.003810	0.001027	0.000190	0.0	0.000120	-0.000380	-0.000656
+ 9 9 17/2	-0.002414	0.001051	0.000248	0.0	0.000219	-0.000822	-0.001731
+ 9 9 19/2	-0.004276	0.000935	0.000143	0.0	0.000067	-0.000176	-0.000226
- 3 1 1/2	-0.006181	0.004012	0.002003	0.0	-0.002220	0.004868	0.008142
- 3 1 3/2	-0.017417	0.011407	0.005595	0.0	-0.005301	0.010201	0.014557
+ 3 3 5/2	-0.008740	0.005817	0.002914	0.0	-0.002984	0.006104	0.009440
+ 3 3 7/2	0.000929	-0.000769	-0.000447	0.0	0.000558	-0.001229	-0.002030
+ 1 1 1/2	0.000008	-0.000005	-0.000001	0.0	-0.000002	0.000008	0.000021
+ 1 1 3/2	-0.000104	0.000047	0.000012	0.0	0.000012	-0.000052	-0.000121

EPS4 =	-0.075	-0.050	-0.025	0.000	0.025	0.050	0.075
K= 1/2 (521)							
E	6.665646	6.653002	6.636493	6.616866	6.594817	6.570987	6.546047
A	0.406345	0.473559	0.520796	0.545081	0.541704	0.501181	0.402325
P N L J							
+ 5 1 1/2	-0.378548	-0.425795	0.467566	0.504091	0.535966	0.564231	-0.591157
+ 5 1 3/2	0.419531	0.411789	-0.409546	-0.413541	-0.424055	-0.441214	0.465578
- 5 3 5/2	-0.384033	-0.376482	0.365368	0.351221	0.334955	0.318757	-0.309123
- 5 3 7/2	-0.4493538	-0.484131	0.469004	0.449189	0.425372	0.397668	-0.364727
+ 5 5 9/2	0.505904	0.501797	-0.453133	-0.483220	-0.470628	-0.452102	0.418589
+ 5 5 11/2	0.125462	0.125065	-0.125557	-0.127469	-0.131384	-0.137946	0.147895
- 7 1 1/2	0.003328	0.003015	-0.001885	0.0	0.002556	0.005668	-0.009137
- 7 1 3/2	0.011518	0.006939	-0.003079	0.0	0.002253	0.003664	-0.004360
+ 7 3 5/2	-0.023301	-0.014267	0.006601	0.0	-0.005897	-0.011506	0.017396
+ 7 3 7/2	0.026958	0.019618	-0.010521	0.0	0.011691	0.024417	-0.038320
- 7 5 9/2	-0.040827	-0.027724	0.014050	0.0	-0.014335	-0.029049	0.044778
- 7 5 11/2	0.011596	0.009270	-0.005468	0.0	0.007402	0.017121	-0.029880
+ 7 7 13/2	-0.014326	-0.008677	0.003851	0.0	-0.002867	-0.005048	0.007802
+ 7 7 15/2	-0.092051	-0.055936	0.025172	0.0	-0.019627	-0.033787	0.042181
+ 9 1 1/2	-0.000857	-0.000376	0.000093	0.0	0.000091	0.000365	-0.000831
+ 9 1 3/2	0.000945	0.000402	-0.000096	0.0	-0.000091	-0.000360	0.000822
- 9 3 5/2	-0.001282	-0.000520	0.000118	0.0	0.000098	0.000358	-0.000753
- 9 3 7/2	0.000636	0.000270	-0.000063	0.0	-0.000054	-0.000200	0.000429
+ 9 5 9/2	-0.001480	-0.000582	0.000128	0.0	0.000098	0.000347	-0.000716
+ 9 5 11/2	0.001248	0.000588	-0.000152	0.0	-0.000156	-0.000623	0.001412
- 9 7 13/2	-0.002670	-0.001115	0.000262	0.0	0.000237	0.000920	-0.002060
- 9 7 15/2	0.001038	0.000629	-0.000194	0.0	-0.000256	-0.001137	0.002829
+ 9 9 17/2	-0.002598	-0.001124	0.000272	0.0	0.000256	0.001003	-0.002282
+ 9 9 19/2	-0.003434	-0.001222	0.000232	0.0	0.000092	0.000099	0.000414
- 3 1 1/2	-0.043330	-0.028568	0.014076	0.0	-0.013474	-0.026000	0.036651
- 3 1 3/2	-0.007826	-0.005183	0.002582	0.0	-0.002634	-0.005515	0.009227
+ 3 3 5/2	-0.003322	-0.002139	0.001005	0.0	-0.000757	-0.001045	0.000319
+ 3 3 7/2	-0.003666	-0.002559	0.001348	0.0	-0.001552	-0.003435	0.005954
+ 1 1 1/2	-0.000045	-0.000021	0.000006	0.0	0.000006	0.000029	-0.000074
+ 1 1 3/2	-0.000020	-0.000008	0.000002	0.0	0.000000	-0.000004	0.000030

EPS4 =	-0.075	-0.050	-0.025	0.000	0.025	0.050	0.075
K= 1/2 (530)							
E	6.269599	6.284302	6.298878	6.315842	6.338332	6.368644	6.405644
A	1.018057	1.501978	2.129207	2.907299	3.661455	4.072318	4.113596
P N L J							
+ 5 1 1/2	-0.046C15	C.070751	-0.103268	C.143368	-0.184041	-C.209674	0.206103
+ 5 1 3/2	-0.232746	0.219913	-0.189938	0.135426	-0.055870	0.027645	-0.082770
- 5 3 5/2	-0.339255	C.376265	-0.423634	0.479443	-0.532051	-0.563016	0.566467
- 5 3 7/2	-0.526467	C.499992	-0.450879	0.367324	-0.243357	-0.099624	-0.030908
+ 5 5 9/2	-0.684917	0.705756	-0.731263	0.759869	-0.782499	-0.788584	0.785364
+ 5 5 11/2	0.268403	-0.229514	0.186436	-0.137520	0.085839	0.042639	-0.015093
- 7 1 1/2	0.002905	-C.001104	0.000068	0.0	0.001198	0.003568	-0.006539
- 7 1 3/2	-0.000482	-0.001550	0.001759	0.0	-0.003718	-0.008597	0.013305
+ 7 3 5/2	0.001208	C.000297	-0.000934	0.0	0.003379	C.009068	-0.015265
+ 7 3 7/2	-0.015368	C.006776	-0.001391	0.0	-0.003510	-0.011167	0.019673
+ 7 5 9/2	-0.017353	0.013840	-0.008428	0.0	0.012371	0.027652	-0.042601
- 7 5 11/2	-0.046562	0.026937	-0.010747	0.0	0.002132	-0.005580	0.019282
+ 7 7 13/2	-0.051173	0.036483	-0.019750	0.0	0.023236	0.048436	-0.073181
+ 7 7 15/2	-0.061900	0.037593	-0.016181	0.0	0.006970	0.001881	0.013538
+ 5 1 1/2	0.000118	C.000006	-0.000017	0.0	-0.000049	-C.0000240	0.000565
+ 5 1 3/2	-0.000614	0.0000185	-0.000023	0.0	0.000031	0.0000212	-0.0000578
- 5 3 5/2	-0.000070	0.0000118	-0.000053	0.0	-0.000100	-0.0000455	0.001041
- 5 3 7/2	-0.001082	0.0000326	-0.000042	0.0	0.000045	0.0000317	-0.0000874
+ 5 5 9/2	-0.000095	C.0000138	-0.000062	0.0	-0.000124	-0.0000584	0.001375
+ 5 5 11/2	-0.001698	0.0000506	-0.000062	0.0	0.000080	0.0000540	-0.001462
- 5 7 13/2	-0.000613	0.0000383	-0.000130	0.0	-0.000219	-0.001014	0.002387
- 5 7 15/2	-0.003560	C.001233	-0.000210	0.0	0.000038	C.0000626	-0.002084
+ 5 9 17/2	-0.002024	0.001027	-0.000298	0.0	-0.000397	-0.001731	0.003984
+ 5 9 19/2	-0.006117	0.002332	-0.000465	0.0	-0.000119	C.0000305	-0.002066
- 3 1 1/2	0.015399	-C.011789	0.007028	0.0	-0.010652	-0.025034	0.041848
- 3 1 3/2	-0.024603	0.016243	-0.008214	0.0	0.008787	C.018046	-0.027322
+ 3 3 5/2	0.014492	-C.010382	0.005699	0.0	-0.007144	-C.015509	0.024263
+ 3 3 7/2	-0.004666	0.003267	-0.001824	0.0	0.002658	0.006368	-0.010791
+ 1 1 1/2	-0.000057	C.0000027	-0.000007	0.0	-0.000011	-0.000052	0.000131
+ 1 1 3/2	0.0000221	-C.0000105	0.000029	0.0	0.000036	0.0000159	-0.0000375

EPS4 =	-0.075	-0.050	-0.025	0.000	0.025	0.050	0.075
K= 1/2 (541)							
E	6.015633	6.064422	6.110908	6.152261	6.184521	6.204508	6.212388
A	-0.951405	-1.210367	-1.677994	-2.357322	-3.061599	-3.452008	-3.470639
F N L J							
+ 5 1 1/2	-0.297192	C.289782	0.273265	C.243023	-0.195022	-0.133859	0.071943
+ 5 1 3/2	0.406428	-C.445036	-0.483825	-0.520831	0.548409	0.557797	-0.552122
- 5 3 5/2	-0.424236	C.408344	0.364169	0.292427	-0.188562	-C.068945	-0.038598
- 5 3 7/2	0.382091	-C.458271	-0.539698	-0.625051	0.702195	C.751314	-0.769372
+ 5 5 9/2	-0.391648	C.363193	0.313164	0.232222	-0.120412	-0.004626	-0.080941
+ 5 5 11/2	-0.492916	0.449425	0.409098	0.373558	-0.340847	-C.307642	0.275083
- 7 1 1/2	-0.016459	C.010674	0.005143	0.0	0.004524	0.008194	-0.011160
- 7 1 3/2	0.020639	-0.012976	-0.005902	0.0	-0.003842	-0.004895	0.003413
+ 7 3 5/2	-0.023666	C.022140	0.010812	0.0	0.009668	0.017483	-0.023569
+ 7 3 7/2	0.041468	-C.027965	-0.013878	0.0	-0.012213	-C.020924	0.025555
+ 7 5 9/2	-0.049273	0.031760	0.014916	0.0	0.010841	0.015770	-0.015413
- 7 5 11/2	0.057754	-0.042403	-0.023098	0.0	-0.025778	-0.051342	0.074160
+ 7 7 13/2	-0.049370	C.030974	0.013820	0.0	0.007218	0.005793	0.002195
+ 7 7 15/2	0.022108	-0.028461	-0.017871	0.0	-0.024390	-C.051875	0.078340
+ 5 1 1/2	-0.001155	C.0000485	0.000112	0.0	-0.000083	-C.0000256	0.000412
+ 5 1 3/2	0.001724	-0.0000745	-C.0000179	0.0	0.000156	C.0000551	-0.001078
- 5 3 5/2	-0.001920	C.0000794	0.000180	0.0	-0.000125	-0.000361	0.000535
- 5 3 7/2	0.002250	-C.0000085	-0.000260	0.0	0.000220	C.0000759	-0.001428
+ 5 5 9/2	-0.002700	0.0001136	0.000263	0.0	-0.000201	-C.0000649	0.001149
+ 5 5 11/2	0.003578	-0.0001571	-0.0000381	0.0	0.0000320	0.001072	-0.001918
- 5 7 13/2	-0.003616	0.0001548	0.0000365	0.0	-0.000285	-0.0000918	0.001611
- 5 7 15/2	0.005198	-C.002412	-0.000622	0.0	0.000608	C.002235	-0.004448
+ 5 9 17/2	-0.003868	C.0001648	0.0000381	0.0	-0.000259	-0.000696	0.000886
+ 5 9 19/2	0.005579	-0.002797	-0.0000777	0.0	C.0000885	0.003545	-0.007621
- 3 1 1/2	0.048377	-C.031972	-0.015558	0.0	-0.013276	-0.023131	0.030420
- 3 1 3/2	0.004463	-0.001004	0.000086	0.0	-0.000467	-C.002820	0.006919
+ 3 3 5/2	0.017936	-C.011765	-0.005604	0.0	-0.004054	-0.005812	0.005766
+ 3 3 7/2	-0.0000452	C.0001576	0.001318	0.0	0.001775	C.003331	-0.004454
+ 1 1 1/2	0.000001	C.0000012	0.000005	0.0	-0.000007	-0.000029	0.000058
+ 1 1 3/2	0.0000258	-C.0000117	-0.000029	0.0	0.000022	0.000066	-0.000105



EPS4 =	-0.075	-0.050	-0.025	0.000	0.025	0.050	0.075
K= 1/2 {55C}							
E	5.502046	5.558940	5.609380	5.654083	5.693788	5.729170	5.760795
A	-5.020847	-5.260530	-5.451540	-5.592773	-5.687708	-5.742076	-5.761840
F N L J							
+ 5 1 1/2	-0.097757	-0.074293	-0.051187	-0.029065	0.008189	0.011479	-0.030194
+ 5 1 3/2	0.242910	0.205809	0.166558	0.126241	-0.085622	0.045107	-0.004784
- 5 3 5/2	-0.108457	-0.081395	-0.055131	-0.030655	0.008551	0.010941	-0.027807
- 5 3 7/2	0.480004	0.455840	0.428771	0.400563	-0.372705	0.346322	-0.322182
+ 5 5 9/2	-0.079092	-0.061319	-0.043726	-0.027316	0.012735	-0.000323	-0.009791
+ 5 5 11/2	0.812560	0.851337	0.882476	0.906136	-0.922899	0.933546	-0.938851
- 7 1 1/2	-0.010449	-0.005985	-0.002555	0.0	-0.001870	0.003248	-0.004320
- 7 1 3/2	0.017864	0.010398	0.004519	0.0	0.003429	-0.006046	0.008113
+ 7 3 5/2	-0.016941	-0.009419	-0.003824	0.0	-0.002267	0.003197	-0.002987
+ 7 3 7/2	0.030664	0.017617	0.007447	0.0	0.004980	-0.007788	0.008695
- 7 5 9/2	-0.019024	-0.010394	-0.004103	0.0	-0.002158	0.002644	-0.001702
- 7 5 11/2	0.054529	0.033197	0.014974	0.0	0.011784	-0.020556	0.026537
+ 7 7 13/2	-0.015963	-0.008867	-0.003580	0.0	-0.002093	0.002978	-0.002943
+ 7 7 15/2	0.086005	0.056507	0.027651	0.0	0.026125	-0.050611	0.073493
+ 5 1 1/2	-0.000628	-0.000227	-0.000045	0.0	0.000026	-0.000073	0.000105
+ 5 1 3/2	0.001092	0.000406	0.000084	0.0	-0.000054	0.000168	-0.000284
- 9 3 5/2	-0.001057	-0.000387	-0.000079	0.0	0.000049	-0.000154	0.000266
- 9 3 7/2	0.001849	0.000704	0.000149	0.0	-0.000106	0.000356	-0.000673
+ 9 5 9/2	-0.001369	-0.000505	-0.000103	0.0	0.000065	-0.000203	0.000351
+ 9 5 11/2	0.002736	0.001052	0.000225	0.0	-0.000159	0.000530	-0.000987
- 9 7 13/2	-0.001580	-0.000583	-0.000118	0.0	0.000070	-0.000203	0.000301
- 9 7 15/2	0.004200	0.001667	0.000368	0.0	-0.000277	0.000949	-0.001806
+ 9 9 17/2	-0.001444	-0.000537	-0.000109	0.0	0.000066	-0.000192	0.000291
+ 9 9 19/2	0.006046	0.002530	0.000590	0.0	-0.000505	0.001856	-0.003829
- 3 1 1/2	0.027346	0.014892	0.006010	0.0	0.003796	-0.005978	0.007084
- 3 1 3/2	-0.051831	-0.059211	-0.028637	0.0	-0.026794	0.051857	-0.075315
+ 3 3 5/2	0.012448	0.008739	0.004481	0.0	0.004527	-0.009027	0.013477
+ 3 3 7/2	-0.026474	-0.018228	-0.009263	0.0	-0.009281	0.018402	-0.027254
+ 1 1 1/2	-0.000441	-0.000198	-0.000050	0.0	0.000048	-0.000190	0.000417
+ 1 1 3/2	0.000403	0.000184	0.000046	0.0	-0.000045	0.000178	-0.000394

N=6	EPS2= 0.200	KAPPA=0.0635	MU=0.3360	EPS6= 0.0			
EPS4 = -0.075 -0.050 -0.025 0.000 0.025 0.050 0.075							
K=13/2 {60E}							
E	7.090301	7.128446	7.164744	7.198960	7.230821	7.260005	7.286143
F N L J							
+ 6 6 13/2	-0.997189	-0.998642	-0.999630	1.000000	0.999555	0.998045	0.995160
- 8 6 13/2	-0.014407	-0.008982	-0.004146	0.0	-0.003341	-0.005751	-0.007098
+ 8 8 15/2	-0.015940	-0.010997	-0.005696	0.0	-0.006125	-0.012725	-0.019816
+ 8 8 17/2	0.071783	0.050131	0.026289	0.0	0.028989	0.060920	0.095988
K=11/2 {60E}							
E	7.913757	7.947902	7.980722	8.011923	8.041144	8.067894	8.091392
F N L J							
+ 6 6 13/2	-0.997389	-0.998402	-0.998826	0.998576	0.997413	0.994682	0.988305
+ 6 6 13/2	-0.006694	-0.025343	-0.040255	0.053347	0.064290	0.072218	0.074962
- 8 6 11/2	-0.012526	-0.007817	-0.003614	0.0	-0.002547	-0.005174	-0.006686
- 8 6 13/2	-0.005976	-0.006268	-0.002824	0.0	-0.001555	-0.000513	0.006064
+ 8 8 15/2	0.065205	0.044955	0.023249	0.0	0.024810	0.051007	0.077864
+ 8 8 17/2	0.025136	0.020751	0.012828	0.0	0.020207	0.052577	0.107189
K=11/2 {615}							
E	7.057855	7.044885	7.029456	7.011498	6.990931	6.967680	6.941674
F N L J							
+ 6 6 11/2	0.010081	0.026147	0.040518	-0.053347	-0.064765	-0.074886	-0.083810
+ 6 6 13/2	-0.996672	-0.998138	-0.998783	0.998576	0.997475	0.995433	0.992411
- 8 6 11/2	-0.005175	-0.003337	-0.001624	0.0	-0.001567	-0.003104	-0.004628
- 8 6 13/2	0.010264	0.007656	0.004239	0.0	0.005061	0.010931	0.017584
+ 8 8 15/2	-0.008794	-0.006488	-0.003531	0.0	-0.004033	-0.008498	-0.013324
+ 8 8 17/2	0.075589	0.054086	0.027528	0.0	0.028384	0.057479	0.087108
K= 9/2 {604}							
E	7.864852	7.848492	7.834367	7.828614	7.838010	7.857320	7.879138
F N L J							
- 6 4 9/2	0.060244	-0.144753	-0.259278	0.554081	0.773830	0.867313	0.900875
+ 6 6 11/2	0.993873	-0.986991	-0.953319	0.832406	0.629713	0.483947	0.404189
+ 6 6 13/2	0.044540	-0.044191	-0.030219	-0.009775	-0.062557	-0.099812	-0.123679
+ 8 4 9/2	0.004488	-0.003632	-0.002304	0.0	-0.003086	-0.005592	-0.007071
- 8 6 11/2	-0.011188	0.006903	0.002590	0.0	-0.001769	-0.006326	-0.011671
- 8 6 13/2	-0.004570	0.007350	0.007261	0.0	0.017331	0.038366	0.059105
+ 8 8 15/2	-0.063931	0.043711	0.022140	0.0	0.017763	0.030414	0.041479
+ 8 8 17/2	-0.046146	0.028523	0.010747	0.0	-0.008027	-0.031035	-0.063089
+ 4 4 9/2	-0.014461	0.010205	0.005625	0.0	0.006558	0.013039	0.019440

EPS4 = -0.075 -C.05C -0.C25 0.000 0.C25 C.050 0.075

K= 9/2 (€15)

Table with 8 columns (E, J, P, N, L, J) and 10 rows of numerical data.

K= 9/2 (€24)

Table with 8 columns (E, J, P, N, L, J) and 10 rows of numerical data.

K= 7/2 (€04)

Table with 8 columns (E, J, P, N, L, J) and 10 rows of numerical data.

K= 7/2 (€13)

Table with 8 columns (E, J, P, N, L, J) and 10 rows of numerical data.

EPS4 = -0.C75 -C.C50 -0.C25 0.000 0.025 C.050 0.075

K= 7/2 (€24)

Table with 8 columns (E, J, P, N, L, J) and 10 rows of numerical data.

K= 7/2 (€33)

Table with 8 columns (E, J, P, N, L, J) and 10 rows of numerical data.

K= 5/2 (€02)

Table with 8 columns (E, J, P, N, L, J) and 10 rows of numerical data.

Table with 17 columns: EPS4 =, -0.075, -0.C5C, -0.C25, 0.00C, 0.025, 0.050, 0.075, E, 8.065247, 8.068910, 8.056697, 8.035C76, 8.010725, 7.983998, 7.955703. Includes sub-tables for F N L J and K= 5/2 (613).

Table with 17 columns: EPS4 =, -0.C75, -C.C50, -0.C25, C.00C, 0.C25, C.050, 0.075, E, 6.593215, 6.589617, 6.585481, 6.580767, 6.575402, 6.569276, 6.562242. Includes sub-tables for P N L J and K= 5/2 (642).

Table with 17 columns: E, 7.545320, 7.522913, 7.455908, 7.468850, 7.442040, 7.415531, 7.389207. Includes sub-tables for P N L J and K= 5/2 (622).

Table with 17 columns: E, 8.385894, 8.415109, 8.441508, 8.468465, 8.495391, 8.521788, 8.547264. Includes sub-tables for P N L J and K= 3/2 (602).

Table with 17 columns: E, 7.382C24, 7.364945, 7.342608, 7.315379, 7.283818, 7.248648, 7.210671. Includes sub-tables for P N L J and K= 5/2 (633).

Table with 17 columns: E, 8.385894, 8.415109, 8.441508, 8.468465, 8.495391, 8.521788, 8.547264. Includes sub-tables for P N L J and K= 3/2 (602).







N=7 EPS2= 0.200, KAPPA=0.0635, MU=C.3360, EPS6= 0.0								EPS4 = -0.075 -0.050 -0.025 0.000 0.025 0.050 0.075							
EPS4 = -0.075 -0.050 -0.025 0.000 0.025 0.050 0.075								K=11/2 (716)							
K=15/2 (707)								E 8.615603 8.655383 8.692083 8.722070 8.736096 8.727943 8.705713							
E 7.928926 7.986185 8.031348 8.074111 8.114109 8.150903 8.183981								P N L J							
P N L J								- 7 5 11/2 C.995355 C.992676 -0.979506 -0.925585 -C.757822 -C.543447 -0.413126							
+ 7 7 15/2 -0.956720 -C.958397 -C.959557 1.000000 0.959454 0.997563 0.993875								+ 7 7 13/2 -0.029590 -0.084247 0.179086 0.360187 0.637613 0.823451 0.888944							
- 9 7 15/2 -0.016841 -0.010574 -0.004919 0.0 0.004037 -0.007030 -0.008802								+ 7 7 15/2 -0.020348 -C.053968 0.084843 0.113212 C.129746 C.126305 0.117829							
+ 9 9 17/2 -0.015350 -C.010635 -0.005535 0.0 0.006017 -C.012564 -0.019678								+ 9 5 11/2 0.017527 C.010825 -0.004850 0.0 0.002624 0.002700 0.002075							
+ 9 9 19/2 0.077655 0.054574 0.028811 0.0 0.032241 0.068275 0.108388								- 9 7 13/2 0.017936 0.012599 -0.006772 0.0 0.007984 C.015799 0.023383							
K=13/2 (707)								- 9 7 15/2 -0.067604 -C.045506 0.022518 0.0 -0.015566 -0.017805 -0.013384							
E 8.890523 8.933890 8.975659 9.015484 9.052819 9.085716 9.127918								+ 9 9 17/2 -0.007434 -C.002465 -0.001160 0.0 0.014403 0.041332 0.070137							
K=11/2 (725)								+ 9 9 19/2 0.050563 0.041937 -0.026494 0.0 0.042422 0.091417 0.139808							
E 7.823745 7.789211 7.752585 7.714245 7.674537 7.633797 7.592371								+ 5 5 11/2 -0.012643 -C.008710 0.004189 0.0 -0.001342 0.001289 0.005155							
P N L J								E 7.823745 7.789211 7.752585 7.714245 7.674537 7.633797 7.592371							
+ 7 7 13/2 -0.996972 -C.998280 -0.999012 0.999023 0.997375 0.975711 -0.893811								P N L J							
+ 7 7 15/2 -0.003596 -0.018504 -0.032128 0.044183 0.053260 0.048251 -0.112167								- 7 5 11/2 -0.022935 -C.052520 -0.077803 0.099677 0.118827 C.135778 0.150933							
- 9 7 13/2 -0.015215 -C.009570 -0.004470 0.0 -0.003820 -0.007475 0.003715								+ 7 7 13/2 0.033557 C.041769 0.049296 -0.056001 -0.061783 -0.066557 -0.070242							
- 9 7 15/2 -0.005927 -C.006164 -0.002597 0.0 0.001251 0.025684 0.097240								+ 7 7 15/2 -0.993713 -C.955234 -0.955057 0.993443 0.990283 0.985536 0.979040							
+ 9 9 17/2 0.070683 0.048949 0.025394 0.0 0.026654 0.048342 -0.107322								+ 5 5 11/2 0.006790 0.004285 0.002058 0.0 0.001971 0.003911 0.005859							
+ 9 9 19/2 0.026622 C.023862 0.016478 0.0 0.040985 0.206416 0.409308								- 9 7 13/2 -0.003040 -C.002329 -0.001295 0.0 -0.001510 -C.003195 -0.005025							
K=13/2 (716)								- 9 7 15/2 0.019012 0.014317 0.007894 0.0 0.009166 0.019438 0.030683							
E 7.915689 7.908655 7.898569 7.885238 7.868464 7.848057 7.823845								+ 9 9 17/2 -0.003704 -0.002581 -0.001346 0.0 -0.001437 -C.002933 -0.004447							
P N L J								+ 9 9 19/2 0.078433 0.052182 0.026016 0.0 0.025804 C.051319 0.076481							
+ 7 7 13/2 0.000538 C.019644 0.032560 -0.044183 -0.054586 -0.063829 -0.071967								+ 5 5 11/2 -0.065577 -0.045249 -0.023468 0.0 -0.025403 -0.052996 -0.083039							
+ 7 7 15/2 -0.995546 -0.997715 -0.998917 0.999023 0.997897 0.995403 0.991429								K= 9/2 (705)							
- 9 7 13/2 -0.004651 -0.002991 -0.001453 0.0 -0.001400 -0.002774 -0.004143								E 9.310846 9.347854 9.384970 9.421427 9.456589 9.489837 9.520467							
- 9 7 15/2 0.007719 0.006114 0.003557 0.0 0.004589 C.010216 0.016857								P N L J							
+ 9 9 17/2 -0.010201 -0.007473 -0.004054 0.0 -0.004624 -0.009751 -0.015303								- 7 5 9/2 0.995358 -C.993993 -0.991224 C.987485 -0.982771 0.976792 -0.968789							
+ 9 9 19/2 0.093137 C.063850 0.032775 0.0 0.034318 0.069943 0.106557								- 7 5 11/2 0.019527 -C.014068 -0.059323 0.074502 -0.087945 0.098147 -0.104590							
K=11/2 (705)								+ 7 7 13/2 -0.045737 C.084035 0.114156 -0.138381 0.158158 -0.174359 0.187405							
E 8.854663 8.842412 8.829949 8.820253 8.821686 8.839491 8.864251								+ 7 7 15/2 0.008118 -C.001152 0.004997 -0.010676 0.016005 -0.020995 0.025550							
P N L J								+ 5 5 9/2 0.014626 -C.009266 -0.004327 0.0 0.003576 -0.006319 0.008233							
- 7 5 11/2 -0.032335 -C.087520 -0.182900 C.364165 -C.640405 0.823735 0.882159								+ 5 5 11/2 0.014117 -C.008599 -0.003829 0.0 0.002390 -0.002366 -0.001908							
+ 7 7 13/2 -C.994235 -C.993220 -0.981940 0.931198 -0.766883 0.557904 0.438235								- 9 7 13/2 -0.061437 C.041083 0.020665 0.0 -0.020925 0.041937 -0.062491							
+ 7 7 15/2 -0.029564 -C.035497 -0.033955 0.015554 C.028959 -C.073847 -0.094810								- 9 7 15/2 -0.025421 0.021212 0.012771 0.0 -0.017949 0.042873 -0.078042							
+ 9 5 11/2 -0.003903 -0.003153 -0.001987 0.0 0.003462 -0.007310 -0.010605								+ 9 9 17/2 0.037352 -0.028110 -0.015486 0.0 0.018194 -0.039171 0.063169							
- 9 7 13/2 0.009341 C.006236 0.002830 0.0 0.000486 -0.005187 -0.010548								+ 9 9 19/2 0.015533 -C.006424 -0.002489 0.0 0.003046 -0.008222 0.017401							
- 9 7 15/2 0.001319 C.004875 0.005487 0.0 -0.017179 C.040677 0.054269								+ 5 5 9/2 -0.012198 C.009382 0.005170 0.0 -0.005845 0.012161 -0.018771							
+ 9 9 17/2 0.076999 0.052635 0.026871 0.0 -0.023567 C.039270 0.052529								+ 5 5 11/2 -0.004890 C.003195 0.001576 0.0 -0.001561 0.003125 -0.004714							
+ 9 9 19/2 0.057679 C.040576 0.019844 0.0 -0.000960 -0.035438 -0.119831								K= 9/2 (714)							
+ 5 5 11/2 0.014716 C.010200 0.005501 0.0 -0.007129 0.014705 0.021657								E 8.739921 8.704462 8.668239 8.632198 8.597117 8.563376 8.530839							
K=11/2 (705)								P N L J							
E 8.854663 8.842412 8.829949 8.820253 8.821686 8.839491 8.864251								- 7 5 9/2 -0.043150 -C.073968 -0.094630 0.105821 0.108590 C.105169 0.098732							
P N L J								- 7 5 11/2 -0.178185 -C.214357 -0.267184 0.334683 0.409776 0.481383 0.539917							
- 7 5 11/2 -0.032335 -C.087520 -0.182900 C.364165 -C.640405 0.823735 0.882159								+ 7 7 13/2 -C.976940 -C.971130 -0.958256 0.936369 0.904784 C.866230 0.826391							
+ 7 7 13/2 -C.994235 -C.993220 -0.981940 0.931198 -0.766883 0.557904 0.438235								+ 7 7 15/2 -0.041810 -0.033538 -0.019511 -0.001613 -0.027332 -0.056931 -0.086579							
+ 7 7 15/2 -0.029564 -C.035497 -0.033955 0.015554 C.028959 -C.073847 -0.094810								+ 9 5 9/2 0.000527 C.003251 0.001399 0.0 0.000880 0.001230 0.001149							
+ 9 5 11/2 -0.003903 -0.003153 -0.001987 0.0 0.003462 -0.007310 -0.010605								+ 5 5 11/2 0.002102 C.002332 0.001483 0.0 0.002665 0.006829 0.012445							
- 9 7 13/2 0.009341 C.006236 0.002830 0.0 0.000486 -0.005187 -0.010548								- 9 7 13/2 C.017885 C.013281 0.007063 0.0 0.007119 0.013671 0.019436							
- 9 7 15/2 0.001319 C.004875 0.005487 0.0 -0.017179 C.040677 0.054269								- 9 7 15/2 0.022777 C.017276 0.009825 0.0 0.012407 0.027062 0.043182							
+ 9 9 17/2 0.076999 0.052635 0.026871 0.0 -0.023567 C.039270 0.052529								+ 5 5 17/2 0.056436 C.037650 0.018867 0.0 0.018740 C.036924 0.054205							
+ 9 9 19/2 0.057679 C.040576 0.019844 0.0 -0.000960 -0.035438 -0.119831								+ 9 9 19/2 0.054378 C.031618 0.012312 0.0 0.002770 -C.004266 -0.018713							
+ 5 5 11/2 0.014716 C.010200 0.005501 0.0 -0.007129 0.014705 0.021657								+ 5 5 9/2 -0.056640 -0.038136 -0.019096 0.0 -0.018433 -0.035574 -0.051336							
K=11/2 (705)								+ 5 5 11/2 C.000580 C.000273 0.000067 0.0 -0.000032 -0.000052 0.000068							





EPS4 = -0.075 -0.050 -0.025 0.000 0.025 0.050 0.075  
 K= 7/2 (743)  
 E 7.458167 7.476905 7.455688 7.434484 7.413240 7.391873 7.370264

P N L J  
 + 7 3 7/2 0.025545 0.024659 0.024375 0.024770 -0.025937 -0.028002 -0.031103  
 - 7 5 9/2 -0.025806 -0.025671 -0.021756 -0.018130 0.014869 0.012049 0.009753  
 - 7 5 11/2 0.152772 0.206629 0.221803 0.238479 -0.256850 -0.277109 -0.299428  
 + 7 7 13/2 -0.081464 -0.072692 -0.064065 -0.055618 0.047391 0.039418 0.031756  
 + 7 7 15/2 0.974548 0.973896 0.972131 0.969068 -0.964497 -0.958186 -0.949886  
 - 9 3 7/2 -0.000319 -0.000337 -0.000235 0.0 -0.000387 -0.000952 -0.001726  
 + 9 5 9/2 -0.000461 -0.000373 -0.000216 0.0 -0.000265 -0.000563 -0.000872  
 + 9 5 11/2 -0.006787 -0.004765 -0.002523 0.0 -0.002873 -0.006182 -0.010023  
 - 9 7 13/2 -0.002796 -0.002063 -0.001132 0.0 -0.001346 -0.002911 -0.004702  
 - 9 7 15/2 -0.009059 -0.006370 -0.003351 0.0 -0.003692 -0.007738 -0.012140  
 + 9 9 17/2 -0.011646 -0.007837 -0.003959 0.0 -0.004051 -0.008207 -0.012481  
 + 9 9 19/2 0.008380 0.005962 0.003202 0.0 0.003740 0.008139 0.013327  
 - 5 3 7/2 -0.041057 -0.027980 -0.014266 0.0 -0.014669 -0.029523 -0.044205  
 + 5 5 9/2 0.035599 0.024005 0.012096 0.0 0.012139 0.024196 0.036022  
 + 5 5 11/2 0.040267 0.027491 0.014075 0.0 0.014739 0.030133 0.046138  
 + 3 3 7/2 0.000789 0.000365 0.000095 0.0 -0.000103 -0.000431 -0.001010

K= 5/2 (703)  
 E 9.549559 9.581710 9.615270 9.649413 9.681906 9.717490 9.749489

F N L J  
 + 7 3 5/2 -0.978660 -0.970321 -0.959718 0.948622 0.822255 0.905695 0.899178  
 + 7 3 7/2 -0.078342 -0.101613 -0.123733 0.143244 0.123894 0.178806 0.190572  
 - 7 5 9/2 0.166892 0.210761 0.246610 -0.275412 -0.254558 -0.313020 -0.328103  
 - 7 5 11/2 -0.009509 0.007398 0.023096 -0.037274 -0.036484 -0.064693 -0.075924  
 + 7 7 13/2 0.000342 -0.018285 -0.034341 0.048301 0.052991 0.070319 0.080819  
 + 7 7 15/2 0.004406 0.001669 -0.001431 0.004744 0.006638 0.011571 0.014876  
 - 9 3 5/2 -0.010089 -0.006008 -0.002561 0.0 0.001689 -0.004183 -0.004031  
 - 9 3 7/2 -0.010466 -0.008230 -0.005128 0.0 -0.045965 0.012912 0.010395  
 + 5 5 9/2 0.039101 0.027514 0.014590 0.0 0.027117 0.023836 0.040578  
 + 9 5 11/2 0.046036 0.025314 0.007579 0.0 -0.192719 0.114990 0.121688  
 - 9 7 13/2 -0.061621 -0.037923 -0.017063 0.0 0.015040 -0.041799 -0.052801  
 - 9 7 15/2 0.005985 -0.009688 -0.018004 0.0 -0.422479 0.146601 0.104980  
 + 9 9 17/2 0.006557 0.012591 0.010372 0.0 0.036116 0.026552 0.053179  
 + 9 9 19/2 -0.008036 0.001400 0.005550 0.0 0.139686 -0.048401 -0.034634  
 - 5 3 5/2 0.012023 0.009741 0.005578 0.0 0.005619 0.013836 0.021733  
 - 5 3 7/2 0.008506 0.005643 0.002803 0.0 0.002449 0.005411 0.008158  
 + 5 5 9/2 -0.006102 -0.003930 -0.001917 0.0 -0.001653 -0.003656 -0.005538  
 + 5 5 11/2 -0.002602 -0.001736 -0.000873 0.0 -0.000784 -0.001785 -0.002742  
 + 3 3 5/2 -0.000164 -0.000073 -0.000018 0.0 0.000016 0.000073 0.000166  
 + 3 3 7/2 -0.000032 -0.000018 -0.000005 0.0 0.000005 0.000027 0.000064

EPS4 = -0.075 -0.050 -0.025 0.000 0.025 0.050 0.075  
 K= 5/2 (712)  
 E 9.101544 9.076503 9.051023 9.025509 9.000120 8.974981 8.950607

P N L J  
 + 7 3 5/2 -0.087785 -0.104906 -0.110411 0.108683 0.103631 0.097481 -0.089591  
 + 7 3 7/2 -0.568212 -0.596496 -0.625841 0.649816 0.665497 0.672525 -0.669286  
 - 7 5 9/2 -0.776757 -0.752084 -0.721812 0.690713 0.661797 0.635544 -0.607768  
 - 7 5 11/2 0.045557 0.083213 0.122848 -0.161666 -0.198368 -0.233947 0.274092  
 + 7 7 13/2 0.228710 0.235975 0.242430 -0.249750 -0.258839 -0.269316 0.277063  
 + 7 7 15/2 0.008111 0.000965 -0.007917 0.018216 0.029459 0.041203 -0.052747  
 - 9 3 5/2 0.002923 0.001545 0.000546 0.0 0.000133 -0.000079 0.000690  
 - 9 3 7/2 0.014235 0.009855 0.005225 0.0 0.005990 0.012827 -0.020775  
 + 5 5 9/2 0.017277 0.012556 0.006541 0.0 0.006515 0.012632 -0.017675  
 + 9 5 11/2 0.024443 0.015577 0.007322 0.0 0.006384 0.011985 -0.016836  
 - 9 7 13/2 0.005019 0.006530 0.003621 0.0 0.004110 0.008200 -0.011231  
 - 9 7 15/2 -0.037717 -0.029830 -0.017469 0.0 -0.022314 -0.050234 0.090923  
 + 9 9 17/2 -0.085889 -0.053515 -0.024808 0.0 -0.021386 -0.040103 0.056948  
 + 5 5 19/2 0.018141 0.011207 0.004490 0.0 -0.001764 -0.018630 0.081796  
 - 5 3 5/2 -0.033901 -0.021545 -0.010139 0.0 -0.009609 -0.017162 0.024269  
 - 5 3 7/2 -0.010721 -0.006628 -0.003051 0.0 -0.002435 -0.004132 0.004860  
 + 5 5 9/2 -0.006220 -0.003820 -0.001718 0.0 -0.001313 -0.002229 0.002741  
 + 5 5 11/2 -0.002775 -0.001661 -0.000723 0.0 -0.000484 -0.000716 0.000693  
 + 3 3 5/2 -0.000026 -0.000010 -0.000002 0.0 0.000000 0.000002 0.000011  
 + 3 3 7/2 0.000018 0.000009 0.000003 0.0 -0.000003 -0.000017 0.000045

K= 5/2 (722)  
 E 8.947973 8.923766 8.892938 8.856549 8.819246 8.770073 8.723629

P N L J  
 + 7 3 5/2 -0.140172 0.196917 0.246436 0.288158 0.271941 -0.344534 0.367841  
 + 7 3 7/2 0.765953 -0.736716 -0.700250 -0.661968 -0.516142 0.591870 -0.568972  
 - 7 5 9/2 -0.497100 0.519799 0.542974 0.560772 0.480603 -0.561916 0.556042  
 - 7 5 11/2 -0.279571 0.296027 0.305916 0.312009 0.293219 -0.301004 0.305088  
 + 7 7 13/2 0.212622 -0.222182 -0.235705 -0.252246 -0.236510 0.283517 -0.307684  
 + 7 7 15/2 0.018567 -0.032211 -0.045247 -0.057629 -0.057368 0.080908 -0.093356  
 - 9 3 5/2 0.015586 -0.010543 -0.005371 0.0 0.004780 -0.011138 0.017027  
 - 9 3 7/2 -0.010676 0.008057 0.004387 0.0 -0.002171 0.011356 -0.017239  
 + 9 5 5/2 0.002406 -0.004382 -0.003521 0.0 0.004768 -0.012988 0.021418  
 + 9 5 11/2 0.011055 -0.009679 -0.006071 0.0 0.030411 -0.002186 0.009296  
 - 9 7 13/2 -0.028989 0.019394 0.009545 0.0 -0.009713 0.015451 -0.022821  
 - 9 7 15/2 0.125061 -0.084864 -0.044245 0.0 0.181465 -0.008600 0.042359  
 + 9 9 17/2 -0.051952 0.035153 0.017818 0.0 -0.023192 0.028093 -0.041677  
 + 9 9 19/2 -0.028133 0.003038 -0.011835 0.0 0.458661 0.186286 -0.162893  
 - 5 3 5/2 -0.048261 0.033405 0.017404 0.0 -0.016136 0.038358 -0.059976  
 - 5 3 7/2 0.007400 -0.004165 -0.001693 0.0 0.000599 -0.001456 0.001291  
 + 5 5 9/2 -0.002525 0.001761 0.000866 0.0 -0.000538 0.000704 -0.000072  
 + 5 5 11/2 0.000626 -0.000300 -0.000118 0.0 0.000129 -0.000048 0.001111  
 + 3 3 5/2 0.000020 -0.000011 -0.000004 0.0 -0.000007 0.000042 -0.000127  
 + 3 3 7/2 0.000021 -0.000006 -0.000002 0.0 -0.000021 0.000103 -0.000245







EPS4 =	-0.075	-0.050	-0.025	0.000	0.025	0.050	0.075
K= 1/2 (710)							
E	9.328055	9.306465	9.283670	9.260227	9.236330	9.212238	9.188334
A	0.384956	0.507351	0.496298	0.499217	0.512836	0.533498	0.552887
P N L J							
- 7 1 1/2	-0.107765	-0.098578	0.052029	0.086746	0.083304	0.081600	0.080994
- 7 1 3/2	-0.633269	-0.639172	0.626845	0.611051	0.592841	0.572945	0.551797
+ 7 3 5/2	-0.557699	-0.555531	0.547663	0.538391	0.527415	0.514503	0.499344
+ 7 3 7/2	0.318882	0.320355	-0.343111	-0.362598	-0.378835	-0.390815	-0.399233
- 7 5 9/2	0.373470	0.352167	-0.403564	-0.416225	-0.429687	-0.443290	-0.456274
- 7 5 11/2	-0.037149	-0.055581	0.079544	0.102602	0.124738	0.146649	0.169927
+ 7 7 13/2	-0.074044	-0.086882	0.100653	0.116161	0.133446	0.152469	0.173065
+ 7 7 15/2	-0.005962	0.000607	-0.007057	-0.014001	-0.021277	-0.028612	-0.035476
+ 9 1 1/2	0.010045	-0.000679	0.000505	0.0	-0.000515	-0.001026	-0.001558
+ 9 1 3/2	-0.015084	0.008520	-0.005028	0.0	0.005445	0.011079	0.016792
- 9 3 5/2	0.030316	0.011528	-0.005848	0.0	0.006110	0.012280	0.018331
- 9 3 7/2	-0.058927	-0.005238	0.001663	0.0	-0.001955	-0.004543	-0.007923
+ 9 5 9/2	-0.006415	-0.012324	0.005742	0.0	-0.004888	-0.009174	-0.013007
+ 9 5 11/2	-0.124563	-0.030056	0.012206	0.0	-0.010486	-0.020419	-0.030693
- 9 7 13/2	-0.036294	-0.030751	0.014544	0.0	-0.012768	-0.023837	-0.033213
- 9 7 15/2	-0.021201	0.044823	-0.025517	0.0	0.026602	0.052785	0.078295
+ 9 9 17/2	0.064081	0.037164	-0.018406	0.0	0.017927	0.035110	0.051310
+ 9 9 19/2	0.039981	-0.014923	0.008308	0.0	-0.005543	-0.005472	0.005002
+ 5 1 1/2	-0.009917	-0.007255	0.003578	0.0	-0.003668	-0.007595	-0.011872
+ 5 1 3/2	-0.018276	-0.011464	0.005309	0.0	-0.004412	-0.007842	-0.010109
- 5 3 5/2	-0.008353	-0.005370	0.002439	0.0	-0.001857	-0.003053	-0.003525
- 5 3 7/2	0.000688	0.000639	-0.000341	0.0	0.000348	0.000698	0.001119
+ 5 5 9/2	0.002555	0.001723	-0.000893	0.0	0.001003	0.002162	0.003518
+ 5 5 11/2	0.002734	0.001745	-0.000790	0.0	0.000616	0.001070	0.001398
- 3 1 1/2	-0.000047	-0.000019	0.000005	0.0	0.000006	0.000024	0.000058
- 3 1 3/2	-0.000165	-0.000073	0.000017	0.0	0.000012	0.000041	0.000072
+ 3 3 5/2	-0.000088	-0.000037	0.000009	0.0	0.000008	0.000033	0.000072
+ 3 3 7/2	-0.000039	-0.000021	0.000005	0.0	0.000005	0.000019	0.000045
+ 1 1 1/2	-0.000000	-0.000000	0.000000	0.0	0.000000	0.000000	-0.000000
+ 1 1 3/2	-0.000001	-0.000000	0.000000	0.0	0.000000	-0.000000	-0.000000

EPS4 =	-0.075	-0.050	-0.025	0.000	0.025	0.050	0.075
K= 1/2 (721)							
E	9.037055	9.015696	8.987096	8.952823	8.914486	8.874715	8.827440
A	0.530780	0.587582	0.646676	0.701090	0.742426	0.453695	0.365693
F N L J							
- 7 1 1/2	-0.360201	-0.415759	-0.461115	0.496587	0.524575	0.537160	0.545705
- 7 1 3/2	0.397656	0.373481	0.353455	-0.338765	-0.329054	-0.315574	-0.325027
+ 7 3 5/2	-0.276212	-0.255061	-0.233701	0.211601	0.188533	0.164054	0.132864
+ 7 3 7/2	-0.501536	-0.501150	-0.492756	0.478610	0.460083	0.427721	0.415709
- 7 5 9/2	0.535709	0.537351	0.533492	-0.528190	-0.520965	-0.502588	-0.488769
- 7 5 11/2	0.164786	0.178301	0.188682	-0.198016	-0.209411	-0.238370	-0.190417
+ 7 7 13/2	-0.158395	-0.199764	-0.204316	0.212216	0.223634	0.235686	0.252449
+ 7 7 15/2	-0.008977	-0.017133	-0.025577	0.034193	0.042606	0.045734	0.069601
+ 9 1 1/2	0.009939	0.007293	0.004036	0.0	0.004847	0.010200	0.016406
+ 9 1 3/2	0.007419	0.004704	0.002142	0.0	0.001512	0.002877	0.000294
- 9 3 5/2	-0.020995	-0.012758	-0.005724	0.0	-0.004556	-0.008119	-0.011150
- 9 3 7/2	0.018624	0.015592	0.009138	0.0	0.011075	0.024724	0.031116
+ 9 5 9/2	-0.033738	-0.024421	-0.012849	0.0	-0.013420	-0.026819	-0.038963
+ 9 5 11/2	-0.005043	-0.002618	-0.000674	0.0	0.000707	0.001715	0.009261
- 9 7 13/2	0.005249	0.003600	0.001903	0.0	0.002219	0.004213	0.008689
- 9 7 15/2	-0.112770	-0.072028	-0.034061	0.0	-0.032652	-0.093064	-0.011797
+ 9 9 17/2	0.072529	0.045503	0.021226	0.0	0.018020	0.032013	0.043067
+ 9 9 19/2	0.053370	0.028374	0.009638	0.0	-0.009545	-0.148934	0.222471
+ 5 1 1/2	-0.056873	-0.038114	-0.019102	0.0	-0.019096	-0.037417	-0.055861
+ 5 1 3/2	-0.007377	-0.005147	-0.002683	0.0	-0.003014	-0.007303	-0.007966
- 5 3 5/2	0.000969	0.000648	0.000298	0.0	0.000390	0.000864	0.014928
- 5 3 7/2	-0.006162	-0.004059	-0.001971	0.0	-0.001817	-0.003856	-0.003561
+ 5 5 9/2	0.005648	0.003755	0.001879	0.0	0.001525	0.003994	0.006059
+ 5 5 11/2	-0.000491	-0.000231	-0.000085	0.0	-0.000100	-0.000475	-0.000091
- 3 1 1/2	-0.000209	-0.000092	-0.000023	0.0	0.000022	0.000093	0.000176
- 3 1 3/2	0.000231	0.000101	0.000026	0.0	-0.000029	-0.000134	-0.000302
+ 3 3 5/2	-0.000142	-0.000064	-0.000017	0.0	0.000018	0.000084	0.000176
+ 3 3 7/2	-0.000157	-0.000089	-0.000022	0.0	0.000022	0.000079	0.000195
+ 1 1 1/2	-0.000002	-0.000000	-0.000000	0.0	-0.000000	-0.000000	-0.000002
+ 1 1 3/2	-0.000000	-0.000000	-0.000000	0.0	0.000000	-0.000000	-0.000001

EPS4 =	-0.075	-0.050	-0.025	0.000	0.025	0.050	0.075
K= 1/2 (73C)							
E	8.622449	8.619432	8.606504	8.596194	8.585892	8.582892	8.598373
A	0.454149	-0.870738	1.425420	1.951748	2.605510	3.383855	3.629797
P N L J							
- 7 1 1/2	0.065795	0.071214	0.112374	0.146427	-0.197972	-0.267451	0.327233
- 7 1 3/2	0.232691	0.236901	0.259920	0.247410	-0.195048	-0.080793	-0.081876
+ 7 3 5/2	0.347553	0.349763	0.441637	0.498134	-0.568976	-0.648387	0.694087
+ 7 3 7/2	0.456736	0.410810	0.450383	0.414588	-0.348267	-0.225452	0.046827
- 7 5 9/2	0.450969	0.424707	0.477127	0.488733	-0.504108	-0.526438	0.541240
- 7 5 11/2	-0.394576	-0.369643	-0.298833	-0.271888	0.219249	0.147366	-0.073588
+ 7 7 13/2	-0.438209	-0.391182	-0.433737	-0.425945	0.413386	0.378300	-0.291183
+ 7 7 15/2	0.052137	0.045521	0.058092	0.055806	-0.050690	-0.037667	0.015850
+ 9 1 1/2	-0.005498	-0.003897	-0.000277	0.0	0.000360	0.002272	-0.005993
+ 9 1 3/2	0.005078	0.005217	-0.003769	0.0	-0.005224	-0.012842	0.020958
- 9 3 5/2	-0.003917	-0.003919	0.000069	0.0	0.001233	0.006421	-0.016895
- 9 3 7/2	0.036973	0.033779	-0.000794	0.0	-0.002355	-0.012155	0.029310
+ 9 5 9/2	0.020756	0.011756	0.009925	0.0	0.012932	0.032060	-0.056533
+ 9 5 11/2	0.095668	0.098187	0.003627	0.0	0.008363	0.004537	-0.018453
- 9 7 13/2	0.054930	0.032816	0.022261	0.0	0.025065	0.055286	-0.088499
- 9 7 15/2	0.152952	0.202515	-0.017411	0.0	0.008182	0.009616	0.007752
+ 9 9 17/2	0.036934	0.019827	0.014082	0.0	0.013344	0.028331	-0.047270
+ 9 9 19/2	0.124173	0.348231	-0.110108	0.0	-0.026613	-0.030624	0.026104
+ 5 1 1/2	-0.009577	-0.006401	-0.004047	0.0	-0.006226	-0.017381	0.035201
+ 5 1 3/2	0.040340	0.025744	0.012575	0.0	0.012944	0.025924	-0.038122
- 5 3 5/2	0.021774	0.012510	0.006750	0.0	0.004676	0.005423	0.003232
- 5 3 7/2	0.000348	0.000722	-0.000026	0.0	0.001100	0.004953	-0.013319
+ 5 5 9/2	0.006101	0.003331	0.001710	0.0	0.000892	-0.000118	0.004812
+ 5 5 11/2	-0.003216	-0.001786	-0.001184	0.0	-0.000826	-0.000626	-0.001611
- 3 1 1/2	-0.000128	-0.000040	-0.000012	0.0	0.000000	-0.000058	0.000032
- 3 1 3/2	0.0000475	0.000178	0.000051	0.0	-0.000034	-0.000050	-0.000204
+ 3 3 5/2	0.000096	0.000048	0.000010	0.0	-0.000017	-0.000100	0.0000340
+ 3 3 7/2	-0.000064	-0.000034	-0.000008	0.0	0.000017	0.000109	-0.000386
+ 1 1 1/2	-0.000001	-0.000000	0.000000	0.0	-0.000000	-0.000000	0.000003
+ 1 1 3/2	0.000001	0.000000	-0.000000	0.0	0.000000	0.000001	-0.000004

EPS4 =	-0.075	-0.050	-0.025	0.000	0.025	0.050	0.075
K= 1/2 (741)							
E	8.295422	8.327137	8.353523	8.379732	8.405956	8.428330	8.437024
A	-0.485286	-0.507775	-0.755659	-1.267080	-2.054919	-2.924631	-3.117359
P N L J							
- 7 1 1/2	-0.254799	0.307067	0.316448	0.318806	-0.303521	-0.251517	0.151684
- 7 1 3/2	0.385940	-0.424644	-0.471067	-0.525655	0.586168	0.639182	-0.649774
+ 7 3 5/2	-0.340447	0.358790	0.367887	0.359232	-0.313287	-0.195330	0.004199
+ 7 3 7/2	0.252997	-0.280350	-0.323097	-0.384277	0.465095	0.555541	-0.613579
- 7 5 9/2	-0.071705	0.094832	0.113330	0.123594	-0.114970	-0.066142	-0.020726
- 7 5 11/2	-0.506890	0.505262	0.489820	0.462118	-0.426700	-0.388275	0.342959
+ 7 7 13/2	0.497084	-0.461109	-0.404379	-0.318792	0.193650	0.025094	0.150571
+ 7 7 15/2	0.167987	-0.149164	-0.133425	-0.121971	0.116425	0.118158	-0.124215
+ 9 1 1/2	-0.015163	0.010098	0.005015	0.0	0.004853	0.009192	-0.012286
+ 9 1 3/2	0.017528	-0.011956	-0.005943	0.0	-0.004808	-0.006236	0.001804
- 9 3 5/2	-0.031356	0.021815	0.011354	0.0	0.012062	0.023693	-0.032171
- 9 3 7/2	0.035646	-0.026460	-0.014465	0.0	-0.015646	-0.029012	0.034130
+ 9 5 9/2	-0.044325	0.031195	0.016232	0.0	0.015906	0.026860	-0.026038
+ 9 5 11/2	0.031502	-0.028222	-0.018093	0.0	-0.026191	-0.058185	0.087371
- 9 7 13/2	-0.031439	0.023238	0.012474	0.0	0.011835	0.016538	-0.005904
- 9 7 15/2	-0.036910	0.015677	0.002149	0.0	-0.011521	-0.036441	0.067086
+ 9 9 17/2	0.017588	-0.008673	-0.002649	0.0	0.001004	0.004139	-0.005833
+ 9 9 19/2	-0.189836	0.117726	0.052391	0.0	0.036785	0.058315	-0.065944
+ 5 1 1/2	0.032429	-0.023026	-0.012218	0.0	-0.013309	-0.025818	0.033774
+ 5 1 3/2	0.019826	-0.012260	-0.005389	0.0	-0.003928	-0.008617	0.017397
- 5 3 5/2	-0.026484	0.014722	0.005327	0.0	-0.001028	-0.010106	0.024822
- 5 3 7/2	-0.011710	0.007912	0.004267	0.0	0.005593	0.012434	-0.018768
+ 5 5 9/2	-0.010088	0.005634	0.002052	0.0	-0.000343	-0.003631	0.008811
+ 5 5 11/2	-0.003028	0.001934	0.001051	0.0	0.001715	0.004481	-0.007954
- 3 1 1/2	0.000021	0.000009	0.000010	0.0	-0.000036	-0.000200	0.000528
- 3 1 3/2	-0.000361	0.000123	0.000016	0.0	0.000034	0.000263	-0.000810
+ 3 3 5/2	0.000314	-0.000120	-0.000022	0.0	-0.000000	-0.000048	0.000167
+ 3 3 7/2	0.000126	-0.000067	-0.000022	0.0	0.000036	0.000170	-0.000396
+ 1 1 1/2	0.000001	-0.000000	-0.000000	0.0	0.000000	-0.000001	0.000003
+ 1 1 3/2	0.000002	-0.000000	0.000000	0.0	-0.000000	0.000001	-0.000003

EPS4 =	-0.075	-0.050	-0.025	0.000	0.025	0.050	0.075
K= 1/2 (75C)							
E	7.923891	7.985561	8.048439	8.111461	8.171968	8.226539	8.273005
A	3.521489	4.443799	5.278237	5.920230	6.328034	6.502495	6.426087
P N L J							
- 7 1 1/2	0.098913	-0.106478	0.104413	0.087210	-0.052186	0.003009	0.050822
- 7 1 3/2	0.021445	C.012339	-0.03795C	-0.044472	0.022767	0.027582	-0.097484
+ 7 3 5/2	0.287963	-C.289864	0.277858	0.245466	-0.150879	C.121246	-0.051912
+ 7 3 7/2	0.179841	-0.128871	0.073696	0.027612	-0.006232	0.017578	-0.057977
- 7 5 9/2	0.494146	-0.508429	0.513857	0.506217	-0.484690	0.453749	-0.422477
- 7 5 11/2	0.347218	-C.297732	0.223026	0.133637	-0.048027	-0.016861	0.053248
+ 7 7 13/2	0.667562	-0.715214	0.762948	0.808580	-0.848716	0.876614	-0.883827
+ 7 7 15/2	-0.185823	0.129064	-0.078624	-0.038523	0.010812	0.006168	-0.016271
+ 9 1 1/2	0.005538	-C.004519	0.002531	0.0	0.002318	-C.003752	0.004159
+ 9 1 3/2	-0.002249	0.003203	-0.002225	0.0	-0.002163	0.003105	-0.002706
- 9 3 5/2	0.016253	-0.012034	0.006276	0.0	0.00501C	-0.007025	0.005380
- 9 3 7/2	0.001379	0.002569	-0.002625	0.0	-0.002498	C.001863	0.003129
+ 9 5 9/2	0.033952	-0.023605	0.011728	0.0	0.008825	-0.012181	0.009361
+ 9 5 11/2	0.015671	-0.006617	0.000228	0.0	-0.002145	0.001103	0.007070
- 9 7 13/2	0.060851	-0.041870	0.021008	0.0	0.018343	-0.031460	0.038830
- 9 7 15/2	0.051603	-0.025691	0.007635	0.0	-0.000783	C.003629	-0.001747
+ 9 9 17/2	0.085152	-0.059550	0.030862	0.0	0.031417	-0.061565	0.089158
+ 9 9 19/2	0.066630	-0.038033	0.013661	0.0	0.00056C	0.008207	-0.018985
+ 5 1 1/2	-0.031603	0.022286	-0.011364	0.0	-0.009937	0.016707	-0.019849
+ 5 1 3/2	-0.030464	0.013092	-0.002759	0.0	0.003117	-0.008625	0.013321
- 5 3 5/2	-0.082209	0.056614	-0.029211	0.0	-0.030005	C.058925	-0.084559
- 5 3 7/2	0.012772	-0.007147	0.003277	0.0	0.003106	-0.005487	0.006191
+ 5 5 9/2	-0.028368	C.020697	-0.011159	0.0	-0.012211	C.024635	-0.036349
+ 5 5 11/2	0.004334	-C.002385	0.001122	0.0	0.001296	-0.002639	0.003580
- 3 1 1/2	0.000976	-C.000440	0.000113	0.0	-0.000117	0.000459	-0.000974
- 3 1 3/2	-0.002009	C.000890	-0.000225	0.0	0.000226	-0.000880	0.001865
+ 3 3 5/2	0.000508	-C.000280	0.000084	0.0	-C.000104	C.000425	-0.000933
+ 3 3 7/2	-0.000452	C.000223	-0.000061	0.0	0.000068	-C.000265	0.000550
+ 1 1 1/2	-0.000004	0.000001	-0.000000	0.0	-0.000000C	C.000001	-0.000005
+ 1 1 3/2	0.000007	-C.000002	0.000000	0.0	0.000000	-0.000003	0.000010

EPS4 =	-0.075	-0.050	-0.025	0.000	0.025	0.050	0.075
K= 1/2 (761)							
E	7.662987	7.743409	7.815823	7.876727	7.924731	7.960353	7.984994
A	-3.535931	-4.188089	-4.796345	-5.246839	-5.509117	-5.641004	-5.703588
P N L J							
- 7 1 1/2	0.183048	-C.152575	0.114837	0.072893	-0.030742	-0.009059	0.045859
- 7 1 3/2	-0.332117	C.313896	-0.280203	-0.232583	0.175453	-0.113451	0.049532
+ 7 3 5/2	0.249268	-C.200414	0.143105	0.083832	-0.030077	-0.014042	0.048123
+ 7 3 7/2	-0.481356	C.517318	-0.536284	-0.536952	0.522197	-0.497562	0.467957
- 7 5 9/2	0.240575	-C.192760	0.135951	0.078683	-0.030807	-0.002485	0.021473
- 7 5 11/2	-0.437599	0.544416	-0.639100	-0.713955	0.765993	-0.798096	0.814998
+ 7 7 13/2	0.190480	-0.152648	0.105796	0.057880	-0.019485	-0.003818	0.013432
+ 7 7 15/2	0.484054	-C.439816	0.356025	0.354528	-0.318573	0.288422	-0.264640
+ 9 1 1/2	0.019236	-0.011737	0.005175	0.0	0.003756	-0.006448	0.008559
+ 9 1 3/2	-0.025486	0.018330	-0.008194	0.0	-0.005949	0.010027	-0.012934
- 9 3 5/2	0.033190	-C.019569	0.008188	0.0	0.004797	-0.006704	0.006417
- 9 3 7/2	-0.046500	0.029486	-0.013113	0.0	-0.008477	0.012161	-0.011668
+ 9 5 9/2	0.041249	-C.023522	0.009336	0.0	0.004343	-0.004586	0.001856
+ 9 5 11/2	-0.074307	C.050434	-0.024386	0.0	-0.019387	0.032063	-0.037823
- 9 7 13/2	0.043034	-0.024019	0.009175	0.0	0.003632	-0.003295	0.000842
- 9 7 15/2	-0.095444	0.072147	-0.038910	0.0	-0.029445	0.075490	-0.106202
+ 9 9 17/2	0.034710	-0.018960	0.006893	0.0	0.002003	-0.001020	-0.000833
+ 9 9 19/2	-0.060642	0.056496	-0.035277	0.0	-0.043451	0.088948	-0.132098
+ 5 1 1/2	-0.056394	0.030043	-0.011735	0.0	-0.006497	0.009315	-0.009869
+ 5 1 3/2	0.094424	-0.065041	0.032874	0.0	0.031897	-0.062089	0.090681
- 5 3 5/2	-0.043950	0.026213	-0.011074	0.0	-0.007241	0.012298	-0.016926
- 5 3 7/2	-0.025148	C.010228	-0.002613	0.0	0.000301	-0.001981	0.004058
+ 5 5 9/2	-0.010000	0.006103	-0.002435	0.0	-0.000946	0.000846	-0.000327
+ 5 5 11/2	-0.004948	C.001575	0.000031	0.0	0.001303	-0.003508	0.006335
- 3 1 1/2	-0.000354	C.000068	-0.000004	0.0	-0.000003	0.000015	-0.000032
- 3 1 3/2	-0.000559	0.000275	-0.000069	0.0	0.000061	-0.000236	0.000539
+ 3 3 5/2	0.000993	-C.000444	0.000108	0.0	-0.000095	0.000360	-0.000781
+ 3 3 7/2	-0.000626	C.000274	-0.000066	0.0	0.000059	-0.000223	0.000483
+ 1 1 1/2	-0.000006	C.000002	-0.000000	0.0	0.000000	0.000002	-0.000004
+ 1 1 3/2	0.000013	-0.000004	0.000000	0.0	0.000000	-0.000003	0.000009

EPS4 =	-0.075	-C.C50	-0.C25	C.00C	0.C25	C.050	0.075
K= 1/2 (77C)							
E	7.042236	7.1C8087	7.166259	7.219288	7.268396	7.316067	7.360409
A	-7.134048	-7.387624	-7.562531	-7.677376	-7.690955	-6.915379	-7.489274
F N L J							
- 7 1 1/2	-0.036118	C.023329	0.013025	-0.005094	0.000767	-C.004398	-0.006897
- 7 1 3/2	0.102733	-0.073970	-0.048490	0.026325	0.0C6864	C.008944	0.024864
+ 7 3 5/2	-0.043214	0.027622	0.01528C	-0.006179	0.000587	-0.001365	-0.004146
+ 7 3 7/2	0.23304C	-C.190567	-0.148339	0.107919	0.070193	-0.026964	0.005483
- 7 5 9/2	-0.039448	C.026677	0.01648C	-0.008384	-C.003083	-0.010304	-0.013452
- 7 5 11/2	0.453376	-0.427015	-0.396821	0.366375	0.334863	-0.303397	-0.287962
+ 7 7 13/2	-0.033455	C.023927	0.016858	-0.011109	-0.004902	0.008526	0.002433
+ 7 7 15/2	0.822784	-0.868382	-0.901561	0.923673	0.934465	-0.891363	-0.924000
+ 9 1 1/2	-0.006343	0.003179	0.001139	0.0	0.000455	-0.000279	0.000214
+ 9 1 3/2	0.012453	-0.006658	-0.002623	0.0	-0.001581	0.002392	0.002921
- 9 3 5/2	-0.009260	C.004497	0.001548	0.0	0.000513	-C.000260	0.000533
- 9 3 7/2	0.023334	-C.012843	-0.005214	0.0	-0.003315	C.005000	0.006076
+ 9 5 9/2	-0.01C145	C.004927	0.001709	0.0	0.000642	-C.000558	-0.000066
+ 9 5 11/2	0.038934	-0.021835	-0.0C8951	0.0	-0.00551C	0.007737	0.008118
- 9 7 13/2	-0.01C016	0.005048	0.001859	0.0	0.00093C	-0.001201	-0.001185
- 9 7 15/2	0.068310	-C.041438	-0.018556	0.0	-0.014354	0.023727	0.031541
+ 9 9 17/2	-0.008598	0.004663	0.0C1900	0.0	0.001268	-0.001862	-0.002299
+ 9 9 19/2	0.111568	-C.073747	-0.036120	0.0	-0.033880	0.062942	0.094308
+ 5 1 1/2	0.021507	-0.008579	0.00146C	0.0	0.063325	0.243105	0.136793
+ 5 1 3/2	-0.045861	0.020514	C.0C9677	0.0	0.034373	0.099402	0.047439
- 5 3 5/2	-0.015106	0.000848	-0.003431	0.0	-0.039292	-0.136732	-0.072886
- 5 3 7/2	-0.15211C	0.101391	0.048935	C.0	0.034769	-C.130991	-0.154303
+ 5 5 9/2	0.015274	-0.008468	-0.002812	0.0	0.008829	0.052707	0.036830
+ 5 5 11/2	-0.026459	0.019871	0.010880	0.0	0.014242	-C.012883	-0.030333
- 3 1 1/2	-0.004944	0.002015	0.000456	0.0	-0.000143	0.003686	0.005265
- 3 1 3/2	0.002276	-0.001200	-0.000332	0.0	0.000595	0.000902	-0.000971
+ 3 3 5/2	-0.001134	0.000433	0.000107	0.0	-0.000184	-C.000279	0.000328
+ 3 3 7/2	0.001529	-C.000658	-0.000154	0.0	0.000038	-0.001522	-0.002179
+ 1 1 1/2	0.000017	-C.000005	-C.000001	0.0	-0.000000	0.000011	0.000022
+ 1 1 3/2	-C.000020	0.000005	0.000001	0.0	0.000001	-C.000003	-0.000014



N=5 EPS2= 0.300, KAPPA=0.0635, MU=0.336C, EPS6= 0.0

EPS4 = -0.075 -0.050 -0.025 0.000 0.025 0.050 0.075

K=11/2 (505)

Table with 8 columns (E, F, N, L, J) and 10 rows of numerical data.

K= 9/2 (505)

E 7.073321 7.099594 7.124633 7.148182 7.169921 7.189406 7.205943

Table with 8 columns (F, N, L, J) and 10 rows of numerical data.

K= 9/2 (514)

E 6.248402 6.230303 6.210373 6.188598 6.164955 6.139417 6.111958

Table with 8 columns (F, N, L, J) and 10 rows of numerical data.

EPS4 = -0.075 -0.050 -0.025 0.000 0.025 0.050 0.075

K= 7/2 (503)

E 6.927573 6.935148 6.952363 6.972996 6.994100 7.014413 7.033241

Table with 8 columns (F, N, L, J) and 10 rows of numerical data.

K= 7/2 (514)

E 6.846149 6.844755 6.829328 6.807771 6.782716 6.755110 6.725318

Table with 8 columns (P, N, L, J) and 10 rows of numerical data.

K= 7/2 (523)

E 6.033321 6.001367 5.968939 5.936201 5.903300 5.870368 5.837530

Table with 8 columns (P, N, L, J) and 10 rows of numerical data.

EPS4 = -0.075 -0.050 -0.025 0.000 0.025 0.050 0.075  
 K= 5/2 (503)  
 E 7.302218 7.326528 7.350239 7.373080 7.394816 7.415213 7.434001

P N L J									
- 5 3 5/2	0.972165	C.967328	0.962149	0.956508	0.950219	-0.943083	-0.934868		
- 5 3 7/2	0.118852	0.137046	0.152152	0.165033	0.176078	-0.185349	-0.192631		
+ 5 5 9/2	-0.186019	-0.205439	-0.222326	-0.237369	-0.251025	0.263587	0.275241		
+ 5 5 11/2	-0.010701	-0.021136	-0.030452	-0.038894	-0.046616	0.053711	0.060219		
+ 7 3 5/2	0.005504	0.003384	0.001486	0.0	-0.000944	0.001255	0.000887		
+ 7 3 7/2	0.00E379	0.003976	0.001265	0.0	0.000182	-0.002034	-0.006021		
- 7 5 9/2	-0.038582	-0.025353	-0.012632	0.0	0.012828	-0.026031	-0.039699		
- 7 5 11/2	-0.035348	-0.027810	-0.015721	0.0	0.018916	-0.040921	-0.066174		
+ 7 7 13/2	0.050094	0.034748	0.017866	0.0	-0.018449	0.037178	0.055943		
+ 7 7 15/2	0.023603	0.010947	0.003898	0.0	-0.002728	0.006016	0.011535		
- 9 3 5/2	0.000585	C.000264	0.000066	0.0	0.000068	-C.000277	-0.000625		
- 9 3 7/2	0.000139	0.000075	0.000023	0.0	0.000037	-C.000189	-0.000544		
+ 9 5 9/2	0.000279	C.000164	0.000051	0.0	0.000068	-C.000311	-0.000788		
+ 9 5 11/2	0.000014	0.000018	0.000012	0.0	0.000035	-C.000203	-0.000635		
- 9 7 13/2	0.000443	0.000264	0.000078	0.0	0.000096	-C.000413	-0.000993		
- 9 7 15/2	0.000066	-0.000125	-0.000061	0.0	-0.000105	C.000494	0.001280		
+ 9 9 17/2	-0.000934	-0.000319	-0.000064	0.0	-0.000052	C.000208	0.000495		
+ 9 9 19/2	-0.002312	-0.001916	-0.000568	0.0	-0.000704	0.003038	0.007286		
+ 3 3 5/2	-0.010073	-0.007252	-0.003854	0.0	0.004223	-C.0008758	-0.013554		
+ 3 3 7/2	-0.005724	-0.003829	-0.001922	0.0	0.001935	-0.003885	-0.005852		

K= 5/2 (512)

E	6.728342	6.707105	6.685531	6.663509	6.641055	6.618267	6.595276
P N L J							
- 5 3 5/2	0.031676	0.020845	-0.011677	0.005079	-0.001207	0.000122	0.000741
- 5 3 7/2	0.743591	0.765786	-0.777802	0.781659	-0.779376	-0.772524	0.762322
+ 5 5 9/2	0.652739	0.624678	-0.605634	0.594709	-0.590185	-0.590390	0.593816
+ 5 5 11/2	-0.111687	-0.140021	0.165234	-0.187895	0.208735	0.228358	-0.247238
+ 7 3 5/2	0.001691	0.001513	-0.000899	0.0	0.001054	0.002163	-0.003252
+ 7 3 7/2	-0.012835	-0.009592	0.005272	0.0	-0.006066	-0.012770	0.019975
- 7 5 9/2	-0.016248	-0.010052	0.004672	0.0	-0.004149	-0.007970	0.011636
- 7 5 11/2	-0.011130	-0.008145	0.004484	0.0	-0.005365	-0.011613	0.018687
+ 7 7 13/2	-0.028106	-0.018164	0.008755	0.0	-0.008046	-0.015375	0.022003
+ 7 7 15/2	0.075728	0.050469	-0.024638	0.0	0.022374	0.041974	-0.058658
- 9 3 5/2	0.000001	-0.000005	0.000002	0.0	0.000004	C.000018	-0.000043
- 9 3 7/2	0.000499	0.000234	-0.000061	0.0	-0.000065	-C.000266	0.000612
+ 9 5 9/2	0.000053	C.000025	-0.000007	0.0	-0.000010	-0.000049	0.000128
+ 9 5 11/2	0.000467	0.000203	-0.000050	0.0	-0.000049	-0.000201	0.000463
- 9 7 13/2	0.000032	C.000037	-0.000015	0.0	-0.000026	-C.000128	0.000329
- 9 7 15/2	0.000184	C.000028	0.000006	0.0	0.000030	C.000158	-0.000431
+ 9 9 17/2	-0.001399	-C.000583	0.000135	0.0	0.000113	0.000415	-0.000854
+ 9 9 19/2	0.001385	C.000550	-0.000117	0.0	-0.000069	-0.000185	0.000218
+ 3 3 5/2	0.018156	0.011086	-0.005195	0.0	0.004905	0.009806	-0.014884
+ 3 3 7/2	0.010637	0.006918	-0.003365	0.0	0.003165	0.006132	-0.008878

EPS4 = -0.075 -0.050 -0.025 0.000 0.025 0.050 0.075  
 K= 5/2 (523)  
 E 6.574879 6.548286 6.518941 6.487504 6.454463 6.420178 6.384924

P N L J									
- 5 3 5/2	-0.213377	-0.242014	0.266662	0.288052	-0.306818	0.323440	-0.338274		
- 5 3 7/2	0.585029	0.553617	-0.529206	-0.511544	0.499358	-0.491254	0.485880		
+ 5 5 9/2	-0.716568	-C.739670	0.753030	0.758916	-0.759156	0.755132	-0.747906		
+ 5 5 11/2	-0.290258	-C.286844	0.283762	0.281773	-0.281259	0.282408	-0.285287		
+ 7 3 5/2	0.010337	C.007010	-0.003566	0.0	-0.003704	0.007565	-0.011592		
+ 7 3 7/2	-0.006167	-C.004702	0.002625	0.0	0.003140	-0.006772	0.010864		
- 7 5 9/2	0.005796	C.008124	-0.004718	0.0	-0.005709	0.012180	-0.019259		
- 7 5 11/2	0.017614	0.011235	-0.005366	0.0	-0.004886	0.009323	-0.013356		
+ 7 7 13/2	-C.010556	-0.006134	0.002727	0.0	0.002305	-C.004361	0.006265		
+ 7 7 15/2	0.106652	C.066006	-0.030761	0.0	-0.027172	0.051460	-0.073369		
- 9 3 5/2	-0.000180	-C.000088	0.000024	0.0	-0.000027	C.000113	-0.000267		
- 9 3 7/2	0.0000374	C.000159	-0.000038	0.0	0.000037	-C.000149	0.000340		
+ 9 5 9/2	-0.000529	-C.000232	0.000058	0.0	-0.000058	C.000231	-0.000524		
+ 9 5 11/2	0.000085	C.000015	0.000001	0.0	-0.000007	0.000038	-0.000102		
- 9 7 13/2	-C.000341	-C.000124	0.000026	0.0	-0.000015	C.000046	-0.000069		
- 9 7 15/2	0.000426	0.000119	-C.000015	0.0	-0.000009	0.000074	-0.000242		
+ 9 9 17/2	-0.000835	-C.000284	0.000053	0.0	-0.000025	0.000059	-0.000050		
+ 9 9 19/2	0.003485	C.001403	-0.000320	0.0	0.000268	-C.000098	0.002058		
+ 3 3 5/2	-0.043150	-C.029707	0.015257	0.0	0.015960	-0.032588	0.049894		
+ 3 3 7/2	-0.002350	-C.001921	0.001109	0.0	0.001343	-0.002898	0.004675		

K= 5/2 (532)

E	5.764590	5.749538	5.733870	5.717564	5.700598	5.682953	5.664609
P N L J							
- 5 3 5/2	0.050318	-0.048624	0.047089	-0.045749	-0.044649	0.043847	-0.043415
- 5 3 7/2	-0.270024	0.284901	-0.300349	0.316379	0.333004	-0.350230	0.368062
+ 5 5 9/2	0.147217	-C.137478	0.127836	-0.118425	-0.109401	0.100938	-0.093233
+ 5 5 11/2	-0.949032	0.946849	-0.943904	C.940099	0.935326	-0.929460	0.923266
+ 7 3 5/2	-0.000200	C.000202	-0.000137	0.0	-0.000215	C.0000517	-0.000918
+ 7 3 7/2	0.007169	-0.005091	0.002710	0.0	0.003064	-0.006513	0.010377
- 7 5 9/2	0.003322	-C.002330	0.001222	0.0	0.001332	-0.002765	0.004284
- 7 5 11/2	0.005960	-C.004319	0.002335	0.0	0.002694	-0.005753	0.009183
+ 7 7 13/2	0.015142	-0.010176	0.005129	0.0	0.005218	-0.010523	0.015912
+ 7 7 15/2	-0.020111	0.013571	-0.006873	0.0	-0.007085	0.014411	-0.022010
- 9 3 5/2	0.000028	-C.000013	0.000003	0.0	-0.000003	0.000014	-0.000034
- 9 3 7/2	-0.000160	0.000076	-0.000020	0.0	0.000023	-0.000098	0.000236
+ 9 5 9/2	-0.000042	C.000021	-0.000006	0.0	0.000006	-0.000028	0.000067
+ 9 5 11/2	-0.000143	0.000066	-0.000017	0.0	0.000015	-0.000080	0.000191
- 9 7 13/2	-0.000073	C.000038	-0.000011	0.0	0.000013	-0.000059	0.000147
- 9 7 15/2	0.000094	-C.000049	0.000014	0.0	-0.000018	C.000079	-0.000196
+ 9 9 17/2	0.000278	-0.000124	0.000031	0.0	-0.000031	0.000126	-0.000283
+ 9 9 19/2	-0.000153	C.000057	-0.000012	0.0	0.000007	-C.000018	0.000021
+ 3 3 5/2	-0.021625	C.015438	-0.008262	0.0	-0.009379	0.019917	-0.031648
+ 3 3 7/2	-0.031967	C.021628	-0.010986	0.0	-0.011352	0.023097	-0.035260



EPS4 =	-0.075	-0.050	-0.025	0.000	0.025	0.050	0.075
K= 3/2 (541)							
E	5.484108	5.505513	5.524730	5.541820	5.556795	5.569622	5.580217
P N L J							
+ 5 1 3/2	0.116562	0.111701	0.107155	0.103139	0.099886	0.097655	0.096728
- 5 3 5/2	-0.117840	-0.104935	-0.091788	-0.078386	-0.064716	-0.050772	-0.036558
- 5 3 7/2	0.438154	0.436471	0.436454	0.438347	0.442380	0.448776	0.457746
+ 5 5 9/2	-0.152001	-0.135672	-0.118200	-0.099681	-0.080206	-0.059883	-0.038841
+ 5 5 11/2	0.864278	0.873611	0.880106	0.883818	0.884739	0.882801	0.877865
- 7 1 3/2	0.001796	0.000986	0.000387	0.0	-0.000166	-0.000093	0.000250
+ 7 3 5/2	-0.006246	-0.004012	-0.001948	0.0	0.001892	0.003781	0.005711
+ 7 3 7/2	0.007287	0.004083	0.001669	0.0	-0.000949	-0.001183	-0.000685
- 7 5 9/2	-0.016613	-0.010609	-0.005098	0.0	0.004771	0.009305	0.013696
- 7 5 11/2	0.025543	0.018631	0.008822	0.0	-0.007954	-0.015158	-0.021730
+ 7 7 13/2	-0.024212	-0.015300	-0.007231	0.0	0.006401	0.011979	0.016739
+ 7 7 15/2	0.067695	0.044422	0.021887	0.0	-0.021343	-0.042254	-0.062850
+ 9 1 3/2	0.000165	0.000069	0.000016	0.0	0.000015	0.000060	0.000134
- 9 3 5/2	-0.000206	-0.000080	-0.000017	0.0	-0.000012	-0.000040	-0.000071
- 9 3 7/2	0.000501	0.000207	0.000048	0.0	0.000043	0.000165	0.000359
+ 5 5 9/2	-0.000481	-0.000190	-0.000042	0.0	-0.000032	-0.000110	-0.000208
+ 5 5 11/2	0.000897	0.000358	0.000080	0.0	0.000064	0.000228	0.000453
- 9 7 13/2	-0.001014	-0.000419	-0.000097	0.0	-0.000085	-0.000321	-0.000680
- 9 7 15/2	0.001870	0.000764	0.000175	0.0	0.000147	0.000537	0.001099
+ 5 9 17/2	-0.001567	-0.000659	-0.000156	0.0	-0.000141	-0.000538	-0.001156
+ 9 9 19/2	0.003668	0.001556	0.000371	0.0	0.000341	0.001310	0.002837
- 3 1 3/2	-0.056292	-0.036535	-0.017717	0.0	0.016436	0.031389	0.044629
+ 3 3 5/2	0.029241	0.018991	0.009285	0.0	-0.008970	-0.017724	-0.026353
+ 3 3 7/2	-0.002848	-0.001574	-0.000618	0.0	0.000270	0.000190	-0.000226
+ 1 1 3/2	-0.000242	-0.000102	-0.000024	0.0	-0.000022	-0.000084	-0.000180

EPS4 =	-0.075	-0.050	-0.025	0.000	0.025	0.050	0.075
K= 1/2 (501)							
E	7.347252	7.371215	7.395312	7.418538	7.441852	7.463872	7.484854
A	0.871153	0.991234	0.965183	0.942047	0.919501	0.895927	0.868879
P N L J							
+ 5 1 1/2	0.817644	-0.812228	0.799821	0.787661	0.775869	0.764299	-0.752741
+ 5 1 3/2	0.307611	-0.349825	0.361842	0.370940	0.376926	0.379976	-0.380241
- 5 3 5/2	-0.402459	0.432161	-0.438810	-0.444767	-0.449735	-0.453731	0.456746
- 5 3 7/2	-0.076544	0.114057	-0.134230	-0.151586	-0.166655	-0.180074	0.192334
+ 5 5 9/2	0.107839	-0.120207	0.131395	0.142214	0.152850	0.163442	-0.174075
+ 5 5 11/2	0.006508	-0.014985	0.023275	0.031185	0.038701	0.045774	-0.052354
- 7 1 1/2	-0.049015	0.000840	-0.001061	0.0	0.000887	0.001419	-0.001581
- 7 1 3/2	0.081069	-0.006942	0.004301	0.0	-0.003323	-0.005010	0.004700
+ 7 3 5/2	-0.084836	0.009868	-0.005659	0.0	0.005026	0.009178	-0.012477
+ 7 3 7/2	0.063575	0.008845	-0.002273	0.0	0.001254	0.002381	-0.003805
- 7 5 9/2	-0.035167	-0.023320	0.010867	0.0	-0.011250	-0.023111	0.035570
- 7 5 11/2	0.076272	-0.034262	0.019668	0.0	-0.022936	-0.048418	0.076037
+ 7 7 13/2	-0.055439	0.029569	-0.015318	0.0	0.014961	0.029340	-0.043019
+ 7 7 15/2	-0.135751	0.023518	-0.012572	0.0	0.010681	0.019220	-0.026039
+ 9 1 1/2	-0.004496	-0.000094	0.000004	0.0	0.000012	0.000076	-0.000227
+ 9 1 3/2	0.007536	-0.000380	0.000126	0.0	0.000116	0.000432	-0.000912
- 9 3 5/2	-0.009137	0.000258	-0.000095	0.0	-0.000069	-0.000204	0.000301
- 9 3 7/2	0.011425	-0.000460	0.000165	0.0	0.000143	0.000490	-0.000902
+ 9 5 9/2	-0.011779	0.000260	-0.000107	0.0	-0.000082	-0.000255	0.000422
+ 9 5 11/2	0.015860	-0.000807	0.000286	0.0	0.000267	0.000943	-0.001773
- 9 7 13/2	-0.012549	0.000226	-0.000100	0.0	-0.000073	-0.000220	0.000340
- 9 7 15/2	0.015422	-0.001071	0.000409	0.0	0.000488	0.001991	-0.004467
+ 9 9 17/2	-0.005496	-0.000100	-0.000009	0.0	0.000009	0.000092	-0.000329
+ 9 9 19/2	0.006673	-0.002251	0.000695	0.0	0.000871	0.003738	-0.008851
- 3 1 1/2	-0.007004	0.005645	-0.003118	0.0	0.003614	0.007660	-0.012100
- 3 1 3/2	-0.008940	0.006287	-0.003180	0.0	0.003245	0.006551	-0.009879
+ 3 3 5/2	0.002937	-0.002181	0.001095	0.0	-0.001084	-0.002132	0.003117
+ 3 3 7/2	0.004752	-0.003073	0.001497	0.0	-0.001434	-0.002824	0.004192
+ 1 1 1/2	0.000050	-0.000021	0.000005	0.0	0.000005	0.000019	-0.000043
+ 1 1 3/2	0.000008	-0.000005	0.000001	0.0	0.000001	0.000006	-0.000012

EPS4 =	-0.075	-0.050	-0.025	0.000	0.025	0.050	0.075
K= 1/2 (51C)							
E	6.965279	6.948811	6.930590	6.911011	6.890673	6.869922	6.849188
A	0.012635	0.018317	0.029102	0.072973	0.107855	0.152523	0.205893
F N L J							
+ 5 1 1/2	0.019014	0.009177	-0.003488	0.001761	0.003265	-0.007572	-0.014071
+ 5 1 3/2	0.657904	0.651295	-0.640802	0.629091	0.613915	-0.597143	-0.578905
- 5 3 5/2	0.556631	0.557126	-0.556971	0.556866	0.554843	-0.551251	-0.545662
- 5 3 7/2	-0.361634	-0.377262	0.388706	-0.396579	-0.403513	0.408796	0.413076
+ 5 5 9/2	-0.329508	-0.334003	0.342274	-0.354770	-0.369753	0.387674	0.408281
+ 5 5 11/2	0.067873	0.079954	-0.092125	0.104502	0.117681	-0.130862	-0.144380
- 7 1 1/2	-0.004202	-0.002217	0.001523	0.0	-0.000897	0.001717	0.002688
- 7 1 3/2	0.005421	0.002794	-0.003175	0.0	0.004482	-0.008659	-0.013568
+ 7 3 5/2	-0.021589	-0.014295	0.007820	0.0	0.005308	-0.010790	-0.016066
+ 7 3 7/2	0.034291	0.025031	-0.019074	0.0	-0.001571	0.005915	0.009592
- 7 5 9/2	0.012553	0.006989	-0.002237	0.0	-0.003697	0.006532	0.009019
- 7 5 11/2	0.060905	0.047518	-0.039063	0.0	-0.002892	0.013443	0.023957
+ 7 7 13/2	0.050454	0.031413	-0.014045	0.0	-0.013816	0.025298	0.034704
+ 7 7 15/2	-0.067065	-0.027623	-0.014344	0.0	0.039517	-0.061103	-0.077877
+ 9 1 1/2	-0.000801	-0.000368	0.000143	0.0	0.000007	0.000020	0.000072
+ 9 1 3/2	0.001886	0.000873	-0.000326	0.0	0.000020	-0.000181	-0.000476
- 9 3 5/2	-0.000885	-0.000389	0.000163	0.0	0.000052	-0.000152	-0.000321
- 9 3 7/2	0.002314	0.001106	-0.000481	0.0	-0.000093	0.000178	0.000272
+ 9 5 9/2	-0.000964	-0.000445	0.000187	0.0	0.000036	-0.000069	-0.000104
+ 9 5 11/2	0.003721	0.001857	-0.000836	0.0	-0.000164	0.000307	0.000470
- 9 7 13/2	-0.000576	-0.000343	0.000175	0.0	0.000024	0.000012	0.000141
- 9 7 15/2	0.005883	0.003235	-0.001558	0.0	-0.000247	0.000222	-0.000100
+ 9 9 17/2	0.002412	0.000895	-0.000125	0.0	0.000255	-0.000862	-0.001702
+ 9 9 19/2	0.003746	0.002927	-0.001972	0.0	-0.000745	0.001594	0.002276
- 3 1 1/2	0.003993	0.002486	-0.001249	0.0	-0.001496	0.003403	0.005877
- 3 1 3/2	0.015088	0.009866	-0.004811	0.0	-0.004485	0.008549	0.012083
+ 3 3 5/2	0.006549	0.005690	-0.002855	0.0	-0.002937	0.006009	0.009279
+ 3 3 7/2	-0.002167	-0.001570	0.000846	0.0	0.000978	-0.002098	-0.003391
+ 1 1 1/2	-0.000021	-0.000010	0.000003	0.0	-0.000003	0.000014	0.000035
+ 1 1 3/2	0.000107	0.000048	-0.000012	0.0	0.000013	-0.000053	-0.000124

EPS4 =	-0.075	-0.050	-0.025	0.000	0.025	0.050	0.075
K= 1/2 (521)							
E	6.613811	6.597434	6.576665	6.553164	6.527799	6.501220	6.473993
A	0.352456	0.578697	0.670337	0.730788	0.777521	0.817782	0.858039
P N L J							
+ 5 1 1/2	0.429420	0.459998	-0.485442	0.506868	0.524338	0.537577	-0.545769
+ 5 1 3/2	-0.283030	-0.267763	0.260724	-0.258611	-0.260058	-0.263921	0.268828
- 5 3 5/2	0.359824	0.356148	-0.345474	0.329563	0.308410	0.281378	-0.247036
- 5 3 7/2	0.492221	0.504307	-0.497865	0.486133	0.472069	0.456972	-0.441741
+ 5 5 9/2	-0.532390	-0.535624	0.537385	-0.540598	-0.545870	-0.553788	0.565340
+ 5 5 11/2	-0.197604	-0.196775	0.196334	-0.197541	-0.200672	-0.205918	0.213400
- 7 1 1/2	-0.007123	-0.003030	0.001712	0.0	0.002538	0.005936	-0.010152
- 7 1 3/2	0.002941	-0.004665	0.002953	0.0	0.002651	0.004509	-0.005309
+ 7 3 5/2	0.016347	0.012398	-0.005725	0.0	-0.004485	-0.007855	0.010222
+ 7 3 7/2	0.009031	-0.009553	0.007455	0.0	0.009527	0.019899	-0.030386
- 7 5 9/2	0.040204	0.028830	-0.014233	0.0	-0.013281	-0.025358	0.035881
- 7 5 11/2	0.066189	0.019902	-0.005285	0.0	-0.000847	0.000936	-0.004331
+ 7 7 13/2	0.012876	0.009024	-0.003873	0.0	-0.002009	-0.001776	-0.001195
+ 7 7 15/2	0.178653	0.085117	-0.034636	0.0	-0.025454	-0.044568	0.059007
+ 9 1 1/2	0.000001	0.000279	-0.000084	0.0	0.000085	0.000327	-0.000700
+ 9 1 3/2	0.000989	-0.000086	0.000053	0.0	-0.000061	-0.000235	0.000495
- 9 3 5/2	0.000125	0.000427	-0.000117	0.0	0.000098	0.000340	-0.000644
- 9 3 7/2	0.002798	0.000268	-0.000002	0.0	-0.000024	-0.000087	0.000139
+ 9 5 9/2	0.000396	0.000532	-0.000133	0.0	0.000095	0.000296	-0.000480
+ 9 5 11/2	0.004668	0.000424	0.000021	0.0	-0.000098	-0.000426	0.000949
- 9 7 13/2	0.001725	0.001068	-0.000260	0.0	0.000214	0.000758	-0.001479
- 9 7 15/2	0.009173	0.001433	-0.000122	0.0	-0.000069	-0.000459	0.001272
+ 9 9 17/2	0.002110	0.001157	-0.000282	0.0	0.000237	0.000844	-0.001634
+ 9 9 19/2	0.017702	0.004377	-0.000746	0.0	0.000411	0.001255	-0.002182
- 3 1 1/2	0.046446	0.031586	-0.015904	0.0	-0.016126	-0.032585	0.049575
- 3 1 3/2	0.011921	0.007841	-0.003876	0.0	-0.003754	-0.007308	0.010506
+ 3 3 5/2	0.003339	0.002314	-0.001168	0.0	-0.001190	-0.002442	0.003867
+ 3 3 7/2	0.004054	0.002579	-0.001256	0.0	-0.001205	-0.002346	0.003362
+ 1 1 1/2	0.000051	0.000022	-0.000005	0.0	0.000005	0.000020	-0.000044
+ 1 1 3/2	0.000018	0.000009	-0.000002	0.0	0.000003	0.000012	-0.000030

EPS4 =	-0.075	-0.050	-0.025	0.000	0.025	0.050	0.075
K= 1/2 (530)							
E	6.123838	6.130677	6.135605	6.135609	6.144206	6.151957	6.166214
A	-0.004585	0.273183	0.612463	1.065205	1.687898	2.471566	3.181544
P N L J							
+ 5 1 1/2	-0.018692	-0.002676	-0.020607	0.053485	0.099401	-0.160674	0.231594
+ 5 1 3/2	0.361373	0.364840	-0.358170	0.337649	0.253378	-0.216603	0.106406
- 5 3 5/2	0.294260	0.323549	-0.361499	0.410257	0.471863	-0.543861	0.611404
- 5 3 7/2	0.484414	0.483110	-0.472366	0.449140	0.406790	-0.335920	0.235665
+ 5 5 9/2	0.617562	0.626525	-0.637452	0.651747	0.669666	-0.686260	0.686580
+ 5 5 11/2	-0.350528	-0.361876	0.331600	-0.297867	-0.257810	0.209008	-0.156201
- 7 1 1/2	-0.006577	-0.003223	0.001106	0.0	0.000100	0.000928	-0.002942
- 7 1 3/2	0.008620	0.002905	-0.000182	0.0	0.002270	-0.006992	0.013574
+ 7 3 5/2	-0.009541	-0.005059	0.001858	0.0	-0.000051	0.003073	-0.009804
+ 7 3 7/2	0.033291	0.017770	-0.006797	0.0	-0.002099	-0.001816	0.012647
- 7 5 9/2	0.008809	0.007893	-0.005142	0.0	-0.008689	0.022546	-0.042196
- 7 5 11/2	0.069573	0.041716	-0.018555	0.0	-0.012653	0.016380	-0.007906
+ 7 7 13/2	0.044286	0.031412	-0.016823	0.0	-0.019960	0.043925	-0.071057
+ 7 7 15/2	0.066005	0.040054	-0.018092	0.0	-0.013304	0.019521	-0.015923
+ 9 1 1/2	-0.000624	-0.000181	0.000025	0.0	0.000014	-0.000143	0.000510
+ 9 1 3/2	0.001480	0.000501	-0.000093	0.0	0.000034	-0.000005	-0.000288
- 9 3 5/2	-0.000683	-0.000154	0.000007	0.0	0.000053	-0.000335	0.001001
- 9 3 7/2	0.002443	0.000811	-0.000146	0.0	0.000046	0.000020	-0.000476
+ 9 5 9/2	-0.000753	-0.000176	0.000010	0.0	0.000059	-0.000391	0.001212
+ 9 5 11/2	0.003859	0.001297	-0.000235	0.0	0.000070	0.000066	-0.000902
- 9 7 13/2	-0.000301	0.000017	-0.000040	0.0	0.000126	-0.000731	0.002178
- 9 7 15/2	0.006640	0.002417	-0.000486	0.0	0.000246	-0.000407	-0.000491
+ 9 9 17/2	0.001270	0.000697	-0.000210	0.0	0.000302	-0.001453	0.003824
+ 9 9 19/2	0.008871	0.003411	-0.000732	0.0	0.000470	-0.001201	0.000923
- 3 1 1/2	-0.011432	-0.008055	0.004405	0.0	0.005966	-0.014577	0.026045
- 3 1 3/2	0.030711	0.020194	-0.010091	0.0	-0.010476	0.021589	-0.033124
+ 3 3 5/2	-0.011149	-0.007867	0.004235	0.0	0.005255	-0.012048	0.020463
+ 3 3 7/2	0.004306	0.002890	-0.001521	0.0	-0.001986	0.004910	-0.009211
+ 1 1 1/2	0.000054	0.000024	-0.000006	0.0	0.000008	-0.000042	0.000115
+ 1 1 3/2	-0.000179	-0.000083	0.000022	0.0	-0.000028	0.000128	-0.000332

EPS4 =	-0.075	-0.050	-0.025	0.000	0.025	0.050	0.075
K= 1/2 (541)							
E	5.794623	5.838907	5.882234	5.923735	5.961696	5.993137	6.014135
A	-0.213617	-0.240402	-0.378544	-0.684985	-1.220525	-1.978655	-2.726845
P N L J							
+ 5 1 1/2	-0.324700	0.332404	0.337435	0.338330	-0.331883	0.311998	0.272824
+ 5 1 3/2	0.351189	-0.391863	-0.435321	-0.483022	0.536172	-0.591989	-0.637994
- 5 3 5/2	-0.501917	0.456879	0.483745	0.457707	-0.410454	0.330604	0.215519
- 5 3 7/2	0.153597	-0.209586	-0.268287	-0.331709	0.401548	-0.475736	-0.540991
+ 5 5 9/2	-0.439587	0.427745	0.405037	0.366182	-0.303100	0.207528	0.085528
+ 5 5 11/2	-0.536062	0.505308	0.474164	0.445653	-0.423036	0.407805	0.396191
- 7 1 1/2	-0.016687	0.010733	0.005146	0.0	0.004589	-0.008406	-0.011143
- 7 1 3/2	0.022715	-0.014665	-0.007002	0.0	-0.005840	0.009625	0.010204
+ 7 3 5/2	-0.036345	0.024056	0.011929	0.0	0.011603	-0.022466	-0.031686
+ 7 3 7/2	0.040594	-0.028033	-0.014437	0.0	-0.014881	0.029211	0.040922
- 7 5 9/2	-0.055300	0.036659	0.018092	0.0	0.016722	-0.030202	-0.037727
- 7 5 11/2	0.044390	-0.033288	-0.018576	0.0	-0.022716	0.049332	0.077539
+ 7 7 13/2	-0.056096	0.036672	0.017674	0.0	0.014592	-0.022965	-0.021611
+ 7 7 15/2	0.006028	-0.009026	-0.007144	0.0	-0.012719	0.030817	0.052137
+ 9 1 1/2	-0.001357	0.000578	0.000138	0.0	-0.000122	0.000438	0.000836
+ 9 1 3/2	0.001903	-0.000822	-0.000199	0.0	0.000187	-0.000710	-0.001471
- 9 3 5/2	-0.002313	0.000973	0.000228	0.0	-0.000191	0.000656	0.001169
- 9 3 7/2	0.002712	-0.001173	-0.000284	0.0	0.000260	-0.000960	-0.001907
+ 9 5 9/2	-0.003183	0.001352	0.000321	0.0	-0.000278	0.000990	0.001871
+ 9 5 11/2	0.003768	-0.001672	-0.000415	0.0	0.000394	-0.001478	-0.002942
- 9 7 13/2	-0.004199	0.001822	0.000442	0.0	-0.000402	0.001466	0.002835
- 9 7 15/2	0.004822	-0.002258	-0.000593	0.0	0.000640	-0.002589	-0.005643
+ 9 9 17/2	-0.004399	0.001923	0.000468	0.0	-0.000414	0.001438	0.002524
+ 9 9 19/2	0.003978	-0.002025	-0.000573	0.0	0.000711	-0.003084	-0.007201
- 3 1 1/2	0.049795	-0.032789	-0.016050	0.0	-0.014709	0.026974	0.035442
- 3 1 3/2	0.012415	-0.006636	-0.002079	0.0	-0.001303	0.003679	0.009167
+ 3 3 5/2	0.016500	-0.011143	-0.005590	0.0	-0.005184	0.009052	0.010409
+ 3 3 7/2	0.000837	0.000604	0.000866	0.0	0.001772	-0.003955	-0.005772
+ 1 1 1/2	0.000024	0.000001	0.000003	0.0	-0.000008	0.000034	0.000076
+ 1 1 3/2	0.000242	-0.000113	-0.000029	0.0	0.000028	-0.000102	-0.000183

EPS4 =	-0.075	-0.050	-0.025	0.000	0.025	0.050	0.075
K= 1/2 (550)							
E	5.235709	5.308306	5.370602	5.426794	5.477212	5.522252	5.562324
A	-4.417772	-4.683639	-4.922950	-5.126029	-5.285907	-5.399334	-5.466387
P N L J							
+ 5 1 1/2	-0.142724	-0.121108	0.097718	-0.073107	0.047751	0.021989	0.004030
+ 5 1 3/2	0.318221	0.292083	-0.262376	0.229902	-0.195515	-0.160047	0.124231
- 5 3 5/2	-0.159965	-0.133814	0.105225	-0.075262	0.044888	0.014877	0.014243
- 5 3 7/2	0.551839	0.545253	-0.534671	0.521214	-0.506034	-0.490300	0.475129
+ 5 5 9/2	-0.109323	-0.092276	0.073095	-0.052943	0.032874	0.013774	0.003683
+ 5 5 11/2	0.711911	0.751231	-0.785234	0.813431	-0.835496	-0.851341	0.861083
- 7 1 1/2	-0.014305	-0.008495	0.003757	0.0	-0.002915	-0.005162	0.006942
- 7 1 3/2	0.023509	0.013973	-0.006165	0.0	0.004679	0.008073	-0.010405
+ 7 3 5/2	-0.023602	-0.013886	0.006025	0.0	-0.004293	-0.007018	0.008382
+ 7 3 7/2	0.041173	0.024762	-0.011009	0.0	0.008294	0.013993	-0.017267
- 7 5 9/2	-0.026566	-0.015490	0.006595	0.0	-0.004294	-0.006380	0.006406
- 7 5 11/2	0.067562	0.042765	-0.020127	0.0	0.017415	0.032063	-0.044016
+ 7 7 13/2	-0.021121	-0.012356	0.005252	0.0	-0.003354	-0.004883	0.004745
+ 7 7 15/2	0.085282	0.059763	-0.029813	0.0	0.029213	0.057492	-0.084643
+ 9 1 1/2	-0.000947	-0.000360	0.000075	0.0	0.000050	0.000156	-0.000262
+ 9 1 3/2	0.001597	0.000619	-0.000134	0.0	-0.000096	-0.000318	0.000590
- 9 3 5/2	-0.001567	-0.000598	0.000126	0.0	0.000085	0.000274	-0.000483
- 9 3 7/2	0.002618	0.001029	-0.000225	0.0	-0.000168	-0.000574	0.001103
+ 9 5 9/2	-0.002011	-0.000775	0.000166	0.0	0.000115	0.000377	-0.000685
+ 9 5 11/2	0.003834	0.001526	-0.000337	0.0	-0.000255	-0.000475	0.001670
- 9 7 13/2	-0.002276	-0.000886	0.000190	0.0	0.000131	0.000420	-0.000729
- 9 7 15/2	0.005596	0.002303	-0.000528	0.0	-0.000431	-0.001537	0.003060
+ 9 9 17/2	-0.001980	-0.000776	0.000167	0.0	0.000114	0.000355	-0.000587
+ 9 9 19/2	0.007073	0.003039	-0.000729	0.0	-0.000658	-0.002483	0.005252
- 3 1 1/2	0.034609	0.018678	-0.007591	0.0	0.005024	0.008206	-0.010188
- 3 1 3/2	-0.104631	-0.066448	0.031739	0.0	-0.029082	-0.055692	0.079945
+ 3 3 5/2	0.011046	0.009287	-0.005175	0.0	0.005556	0.011126	-0.016495
+ 3 3 7/2	-0.015519	-0.014549	0.007780	0.0	-0.008265	-0.016658	0.024946
+ 1 1 1/2	-0.000350	-0.000169	0.000044	0.0	0.000045	0.000179	-0.000398
+ 1 1 3/2	0.000347	0.000181	-0.000049	0.0	-0.000050	-0.000199	0.000440

N=6	EPS2= 0.300, KAPPA=0.0635, MU=0.3360, EPS6= 0.0						
EPS4 =	-0.075	-0.050	-0.025	0.000	0.025	0.050	0.075
K=13/2 (606)							
E	7.285725	7.328158	7.364662	7.398960	7.430717	7.459533	7.484943
P N L J							
+ 6 6 13/2	-0.996607	-0.998439	-0.999565	1.000000	0.999469	0.997631	0.994056
- 8 6 13/2	-0.012512	-0.007635	-0.003423	0.0	-0.002492	-0.003900	-0.004057
+ 8 8 15/2	-0.016968	-0.011762	-0.006123	0.0	-0.006661	-0.013909	-0.021784
+ 8 8 17/2	0.077014	0.054061	0.028505	0.0	0.031808	0.067253	0.106590
K=11/2 (606)							
E	8.106713	8.141831	8.175462	8.207272	8.236692	8.261547	8.298231
P N L J							
+ 6 6 13/2	-0.996299	-0.997161	-0.997551	0.997298	0.995172	0.988231	-0.868041
- 8 6 13/2	-0.035139	-0.049318	-0.062199	0.073463	0.081567	0.074468	-0.133935
- 8 6 11/2	-0.010906	-0.006708	-0.003063	0.0	-0.002653	-0.006525	-0.005589
- 8 6 13/2	-0.008514	-0.004635	-0.001387	0.0	0.004824	0.043143	0.132413
+ 8 8 15/2	0.068550	0.047226	0.024318	0.0	0.024517	0.039313	-0.118343
+ 8 8 17/2	0.035541	0.030657	0.020529	0.0	0.048458	0.231372	0.443844
K=11/2 (615)							
E	7.163520	7.150267	7.134517	7.116148	7.095040	7.071076	7.044154
P N L J							
+ 6 6 11/2	0.037307	0.050681	0.062701	-0.073463	-0.083049	-0.091528	-0.098964
+ 6 6 13/2	-0.995500	-0.996939	-0.997567	0.997298	0.996039	0.993702	0.990214
- 8 6 11/2	-0.005064	-0.003324	-0.001645	0.0	-0.001636	-0.003282	-0.004951
- 8 6 13/2	0.013241	0.009724	0.005316	0.0	0.006227	0.013347	0.021318
+ 8 8 15/2	-0.011416	-0.008207	-0.004380	0.0	-0.004871	-0.010164	-0.015807
+ 8 8 17/2	0.085187	0.058068	0.025642	0.0	0.030722	0.062341	0.094623
K= 5/2 (604)							
E	7.962930	7.959538	7.970961	7.993796	8.020054	8.045504	8.061988
P N L J							
- 6 4 5/2	-0.288289	-0.530018	-0.765912	0.873183	0.912229	0.919090	0.742596
+ 6 6 11/2	-0.952602	-0.846242	-0.640788	0.479538	0.391090	0.345364	0.307256
+ 6 6 13/2	-0.045905	-0.010634	0.044807	-0.087142	-0.114018	-0.127593	-0.076244
+ 8 4 9/2	-0.006347	-0.005521	-0.003147	0.0	-0.003025	-0.007208	-0.025107
- 8 6 11/2	0.008130	0.001851	-0.001446	0.0	-0.003455	-0.006401	0.002571
- 8 6 13/2	0.023391	0.025405	0.016633	0.0	0.014967	0.012135	-0.127207
+ 8 8 15/2	0.067550	0.043585	0.018899	0.0	0.015599	0.033411	0.070242
+ 8 8 17/2	0.043114	0.010966	-0.008692	0.0	-0.036864	-0.134949	-0.571292
+ 4 4 9/2	0.015979	0.011930	0.006280	0.0	0.006213	0.012280	0.014334

EPS4 = -0.075 -0.050 -0.025 0.000 0.025 0.050 0.075

K= 9/2 (615)

Table with 8 columns (E, P, N, L, J) and 11 rows of data for K=9/2 (615).

K= 9/2 (624)

Table with 8 columns (E, P, N, L, J) and 11 rows of data for K=9/2 (624).

K= 7/2 (604)

Table with 8 columns (E, P, N, L, J) and 11 rows of data for K=7/2 (604).

K= 7/2 (613)

Table with 8 columns (E, P, N, L, J) and 11 rows of data for K=7/2 (613).

EPS4 = -0.075 -0.050 -0.025 0.000 0.025 0.050 0.075

K= 7/2 (624)

Table with 8 columns (E, P, N, L, J) and 11 rows of data for K=7/2 (624).

K= 7/2 (633)

Table with 8 columns (E, P, N, L, J) and 11 rows of data for K=7/2 (633).

K= 5/2 (602)

Table with 8 columns (E, P, N, L, J) and 11 rows of data for K=5/2 (602).





EPS4 = -0.075 -0.050 -0.025 0.000 0.025 0.050 0.075  
 K= 3/2 (611)

E	8.080702	8.063871	8.045594	8.026081	8.005668	7.984884	7.965176
P N L J							
+ 6 2 3/2	-0.044277	0.035248	0.027893	0.022924	0.020268	-0.019275	0.017248
+ 6 2 5/2	-0.728109	0.730513	0.727351	0.719442	0.707496	-0.691225	0.661285
- 6 4 7/2	-0.563729	0.554046	0.546543	0.540754	0.535845	-0.530449	0.517382
- 6 4 9/2	0.255253	-0.282773	-0.306288	-0.326723	-0.345523	0.365210	-0.393193
+ 6 6 11/2	0.262307	-0.264498	-0.270338	-0.279381	-0.290952	0.303657	-0.309955
+ 6 6 13/2	-0.030049	0.042857	0.055620	0.068279	0.080774	-0.092754	0.101420
- 8 2 3/2	-0.000444	0.000618	0.000486	0.0	-0.000820	0.002001	-0.004006
- 8 2 5/2	0.007550	-0.006020	-0.003582	0.0	0.004759	-0.010671	0.017973
+ 8 4 7/2	0.019920	-0.013229	-0.006446	0.0	0.005897	-0.011019	0.014024
+ 8 4 9/2	-0.017198	0.011843	0.005866	0.0	-0.005539	0.011350	-0.021332
- 8 6 11/2	0.001205	-0.001900	-0.001245	0.0	0.001326	-0.002298	0.001689
- 8 6 13/2	-0.084167	0.057200	0.028974	0.0	-0.030560	0.067154	-0.133129
+ 8 8 15/2	-0.064577	0.040235	0.018925	0.0	-0.016919	0.032051	-0.045445
+ 8 8 17/2	0.053657	-0.031554	-0.012796	0.0	0.002721	0.015995	-0.113015
- 4 2 3/2	-0.012386	0.007718	0.003708	0.0	-0.003673	0.007412	-0.010646
- 4 2 5/2	-0.013247	0.008398	0.003963	0.0	-0.003431	0.006263	-0.008338
+ 4 4 7/2	-0.005664	0.003657	0.001778	0.0	-0.001703	0.003331	-0.004724
+ 4 4 9/2	-0.000234	-0.000016	-0.000096	0.0	0.000275	-0.000742	0.001316
+ 2 2 3/2	-0.000022	0.000009	0.000002	0.0	0.000002	-0.000006	0.000013
+ 2 2 5/2	-0.000061	0.000026	0.000006	0.0	0.000005	-0.000019	0.000037

K= 3/2 (622)

E	7.817354	7.751753	7.761649	7.728097	7.692248	7.654816	7.616614
P N L J							
+ 6 2 3/2	-0.330382	-0.365436	-0.394312	0.419379	-0.437715	0.452692	-0.463990
+ 6 2 5/2	0.428237	0.421389	0.407303	-0.397876	0.388376	-0.381513	0.375749
- 6 4 7/2	-0.555278	-0.557631	-0.552921	0.544064	-0.526867	0.505264	-0.478314
- 6 4 9/2	-0.424864	-0.417651	-0.409162	0.401554	-0.393452	0.386673	-0.381167
+ 6 6 11/2	0.416803	0.422192	0.428643	-0.438170	0.447654	-0.460234	0.475664
+ 6 6 13/2	0.108298	0.114323	0.120864	-0.128729	0.136874	-0.146385	0.157090
- 8 2 3/2	0.008113	0.006217	0.003245	0.0	-0.005110	0.010404	-0.016152
- 8 2 5/2	0.013142	0.008085	0.005025	0.0	0.002564	-0.003949	0.006327
+ 8 4 7/2	-0.013933	-0.006667	-0.002790	0.0	-0.002223	0.004977	-0.008892
+ 8 4 9/2	0.061198	0.043788	0.028198	0.0	-0.003334	0.014718	-0.025124
- 8 6 11/2	-0.057483	-0.037052	-0.018828	0.0	0.012266	-0.024553	0.035231
- 8 6 13/2	0.095549	0.075578	0.055788	0.0	0.010361	0.003101	-0.015602
+ 8 8 15/2	-0.060257	-0.038478	-0.019381	0.0	0.010775	-0.020550	0.027115
+ 8 8 17/2	-0.021426	0.013343	0.045922	0.0	0.072425	-0.092171	0.107748
- 4 2 3/2	-0.054692	-0.036973	-0.018742	0.0	0.019376	-0.039472	0.060413
- 4 2 5/2	-0.003459	-0.002615	-0.001434	0.0	0.001637	-0.003442	0.005390
+ 4 4 7/2	-0.002807	-0.001764	-0.000793	0.0	0.000521	-0.000684	0.000406
+ 4 4 9/2	-0.001559	-0.000985	-0.000441	0.0	0.000265	-0.000278	-0.000047
+ 2 2 3/2	-0.000033	-0.000013	-0.000002	0.0	-0.000001	-0.000003	0.000021
+ 2 2 5/2	0.000125	0.000056	0.000014	0.0	0.000016	-0.000066	0.000159

EPS4 = -0.075 -0.050 -0.025 0.000 0.025 0.050 0.075  
 K= 3/2 (631)

E	7.157880	7.189708	7.179401	7.168409	7.158174	7.149758	7.143428
P N L J							
+ 6 2 3/2	0.012375	-0.019679	-0.031753	0.048835	0.070514	-0.095390	-0.121635
+ 6 2 5/2	0.260016	-0.269841	-0.267893	0.252496	0.223340	-0.183282	-0.138397
- 6 4 7/2	0.245871	-0.271668	-0.307660	0.353055	0.404955	-0.458195	-0.507600
- 6 4 9/2	0.558558	-0.544229	-0.513873	0.467280	0.406115	-0.336120	-0.266548
+ 6 6 11/2	0.689260	-0.701714	-0.719924	0.742502	0.764941	-0.780547	-0.783933
+ 6 6 13/2	-0.254731	0.239754	0.221125	-0.198881	-0.174135	0.150014	0.130921
- 8 2 3/2	-0.002645	0.003185	0.000559	0.0	0.000514	-0.001244	-0.002440
- 8 2 5/2	-0.002170	0.003163	0.002301	0.0	0.003136	-0.006408	-0.009202
+ 8 4 7/2	-0.010673	0.006489	0.002936	0.0	0.002392	-0.004419	-0.006404
+ 8 4 9/2	0.016470	-0.006940	-0.001509	0.0	0.001961	-0.006641	-0.013048
- 8 6 11/2	-0.005953	0.002247	0.000065	0.0	-0.002519	0.007731	0.015207
- 8 6 13/2	0.066475	-0.037959	-0.015458	0.0	-0.007820	0.008174	0.002420
+ 8 8 15/2	0.030193	-0.022620	-0.012820	0.0	-0.016315	0.035913	0.057805
+ 8 8 17/2	0.110533	-0.063668	-0.023688	0.0	-0.015095	0.019686	0.016122
- 4 2 3/2	-0.010181	0.006895	0.003652	0.0	0.004382	-0.009366	-0.014166
- 4 2 5/2	0.040967	-0.027070	-0.013343	0.0	-0.012594	0.024048	0.034274
+ 4 4 7/2	0.000409	-0.000243	-0.000076	0.0	0.000106	-0.000470	-0.001160
+ 4 4 9/2	0.008319	-0.005728	-0.003008	0.0	-0.003444	0.007375	0.011710
+ 2 2 3/2	-0.000050	0.000020	0.000005	0.0	-0.000002	0.000004	0.000001
+ 2 2 5/2	0.000263	-0.000116	-0.000029	0.0	0.000028	-0.000109	-0.000234

K= 3/2 (642)

E	6.952767	6.966097	6.975678	6.980495	6.979520	6.972032	6.958002
P N L J							
+ 6 2 3/2	0.167076	-0.169369	0.170709	0.170520	-0.168098	-0.163173	-0.156511
+ 6 2 5/2	-0.326888	0.356124	-0.389272	-0.426256	0.465246	0.502677	0.535203
- 6 4 7/2	0.426381	-0.421061	0.408604	0.386603	-0.353546	-0.310948	-0.264051
- 6 4 9/2	-0.432164	0.467944	-0.506376	-0.546436	0.584433	0.614471	0.631632
+ 6 6 11/2	0.510329	-0.491421	0.457475	0.406221	-0.338460	-0.260512	-0.182961
+ 6 6 13/2	0.464354	-0.444339	0.429357	0.419713	-0.414725	-0.412856	-0.412781
- 8 2 3/2	0.002323	-0.001136	0.000348	0.0	-0.000104	-0.000631	-0.001520
- 8 2 5/2	-0.004766	0.001972	-0.000277	0.0	0.001447	-0.004783	-0.009899
+ 8 4 7/2	0.014426	-0.009238	0.004438	0.0	0.004148	0.008074	0.011809
+ 8 4 9/2	-0.032630	0.020572	-0.009552	0.0	-0.007600	-0.012818	-0.015534
- 8 6 11/2	0.039292	-0.025924	0.012734	0.0	0.011901	0.022529	0.031612
- 8 6 13/2	-0.076615	0.051824	-0.026162	0.0	-0.026041	-0.050931	-0.073560
+ 8 8 15/2	0.054345	-0.035210	0.016743	0.0	0.013719	0.023285	0.028403
+ 8 8 17/2	-0.082413	0.056803	-0.029061	0.0	-0.029127	-0.056404	-0.079727
- 4 2 3/2	-0.035651	0.026322	-0.012558	0.0	-0.012136	-0.023188	-0.033251
- 4 2 5/2	-0.023381	0.015632	-0.008151	0.0	-0.009799	-0.021919	-0.036459
+ 4 4 7/2	0.001459	-0.000876	0.000408	0.0	0.000451	0.001110	0.002189
+ 4 4 9/2	0.005962	-0.004217	0.002161	0.0	0.002001	0.003609	0.004748
+ 2 2 3/2	0.000198	-0.000089	0.000023	0.0	-0.000024	-0.000103	-0.000245
+ 2 2 5/2	0.000045	-0.000019	0.000004	0.0	-0.000000	0.000009	0.000041





N=7 EPS2= 0.300, KAPPA=0.0635, MU=0.3360, EPS6= 0.0

EPS4 = -0.075 -0.050 -0.025 0.000 0.025 0.050 0.075

K=15/2 (707)

E 8.171588 8.219177 8.264583 8.307444 8.347312 8.383640 8.415773

P N L J

+ 7 7 15/2 -0.996266 -0.998151 -0.999482 1.000000 0.999341 0.997012 0.992372

- 9 7 15/2 -0.014900 -0.009187 -0.004168 0.0 -0.003140 -0.000509 -0.000506

+ 9 9 17/2 -0.016355 -0.011391 -0.005959 0.0 -0.006565 -0.013802 -0.021762

+ 9 9 19/2 0.083454 0.058991 0.031340 0.0 0.035558 0.075838 0.121218

K=13/2 (707)

E 9.117303 9.161556 9.204084 9.244545 9.282677 9.317920 9.349824

P N L J

+ 7 7 13/2 -0.995903 -0.996978 -0.997511 0.998115 0.994757 -0.992259 -0.987766

+ 7 7 15/2 -0.025014 -0.037867 -0.050008 0.061369 0.072658 -0.083283 -0.093574

- 9 7 13/2 -0.013528 -0.008461 -0.004039 0.0 -0.001996 0.003531 0.003700

- 9 7 15/2 -0.008117 -0.003365 0.001582 0.0 -0.017462 0.024226 0.032550

+ 9 9 17/2 0.074206 0.050993 0.025506 0.0 0.035558 -0.070168 -0.108736

+ 9 9 19/2 0.042386 0.043787 0.042444 0.0 -0.060050 0.054441 0.051639

K=13/2 (716)

E 8.053803 8.046717 8.036483 8.022843 8.005532 7.984298 7.958919

P N L J

+ 7 7 13/2 0.028254 0.040406 0.051430 -0.061369 -0.070254 -0.078109 -0.084956

+ 7 7 15/2 -0.994441 -0.996732 -0.998023 0.998115 0.996796 0.993863 0.989153

- 9 7 13/2 -0.004523 -0.002965 -0.001468 0.0 -0.001466 -0.002951 -0.004470

- 9 7 15/2 0.010911 0.008368 0.004751 0.0 0.005919 0.013003 0.021205

+ 9 9 17/2 -0.012737 -0.009173 -0.004909 0.0 -0.005500 -0.011519 -0.017970

+ 9 9 19/2 0.099936 0.068779 0.035439 0.0 0.037354 0.076320 0.116471

K=11/2 (705)

E 8.981548 8.975666 8.977962 8.996726 9.026584 9.058754 9.089772

P N L J

- 7 5 11/2 -0.166236 -0.316001 -0.574354 0.802260 -0.892712 -0.925392 -0.936053

+ 7 7 13/2 -0.978217 -0.944855 -0.817880 0.594311 -0.431210 -0.346649 -0.297579

+ 7 7 15/2 -0.040137 -0.031110 0.004461 -0.056336 0.095052 0.119854 0.138766

+ 9 5 11/2 -0.005136 -0.004447 -0.003089 0.0 0.000853 0.002606 0.002164

- 9 7 13/2 0.008475 0.004087 0.000154 0.0 0.005438 0.010808 0.017400

- 9 7 15/2 0.019501 0.022859 0.017436 0.0 -0.048541 -0.077436 -0.114021

+ 9 9 17/2 0.079747 0.053465 0.025205 0.0 -0.010894 -0.024217 -0.035056

+ 9 9 19/2 0.082216 0.053577 0.013240 0.0 -0.074385 -0.047018 -0.031697

+ 5 5 11/2 0.015783 0.011687 0.006700 0.0 -0.007095 -0.014173 -0.021318

EPS4 = -0.075 -0.050 -0.025 0.000 0.025 0.050 0.075

K=11/2 (716)

E 8.833539 8.870286 8.855117 8.898689 8.885087 8.860952 8.828225

P N L J

- 7 5 11/2 0.978501 -0.941317 0.809721 -0.582597 -0.424234 -0.337927 -0.285940

+ 7 7 13/2 -0.157296 0.307282 -0.568331 0.800281 0.889593 0.901570 0.868640

+ 7 7 15/2 -0.073698 0.104953 -0.132101 0.140231 0.135457 0.122156 0.097766

+ 9 5 11/2 0.015074 -0.008858 0.003487 0.0 0.002277 0.005228 0.009159

- 9 7 13/2 0.015580 -0.014140 0.007562 0.0 0.006880 0.012853 0.018032

- 9 7 15/2 -0.063786 0.038084 -0.012352 0.0 0.009425 0.037887 0.077421

+ 9 9 17/2 0.000627 -0.007902 0.011032 0.0 0.020339 0.040756 0.058177

+ 9 9 19/2 0.086780 -0.081511 0.059622 0.0 0.098719 0.233985 0.379870

+ 5 5 11/2 -0.012315 0.007088 -0.001947 0.0 0.001374 0.004065 0.007447

K=11/2 (725)

E 7.876371 7.839560 7.801061 7.761153 7.720128 7.678304 7.636045

P N L J

- 7 5 11/2 -0.071717 -0.093125 -0.111859 0.128426 0.143212 0.156516 0.168567

+ 7 7 13/2 0.058554 0.066461 0.073523 -0.079658 -0.084791 -0.088843 -0.091727

+ 7 7 15/2 -0.989416 -0.990514 -0.990236 0.988515 0.985209 0.980107 0.972923

+ 9 5 11/2 0.006426 0.004196 0.002076 0.0 0.002079 0.004193 0.006365

- 9 7 13/2 -0.004298 -0.003115 -0.001668 0.0 -0.001859 -0.003875 -0.006025

- 9 7 15/2 0.024955 0.018039 0.009665 0.0 0.010808 0.022636 0.035361

+ 9 9 17/2 -0.005975 -0.004147 -0.002144 0.0 -0.002256 -0.004572 -0.006899

+ 9 9 19/2 0.082828 0.055292 0.027653 0.0 0.027571 0.054952 0.082026

+ 5 5 11/2 -0.070043 -0.048638 -0.025386 0.0 -0.027829 -0.058430 -0.092139

K= 9/2 (705)

E 9.526795 9.567540 9.607428 9.645908 9.682323 9.715534 9.741618

P N L J

- 7 5 9/2 -0.988894 -0.986942 -0.984396 0.981137 -0.976527 0.967083 -0.919608

- 7 5 11/2 -0.054892 -0.071411 -0.085919 0.098368 -0.108023 0.111743 -0.092237

+ 7 7 13/2 0.105308 0.129200 0.148978 -0.165440 0.178858 -0.188222 0.183585

+ 7 7 15/2 0.000670 0.006956 0.012709 -0.018009 0.022807 -0.026680 0.026834

+ 9 5 9/2 -0.013228 -0.008281 -0.003865 0.0 0.003539 -0.007831 0.018028

+ 9 5 11/2 -0.011285 -0.006063 -0.001935 0.0 -0.003107 0.020253 -0.090119

- 9 7 13/2 0.060015 0.039867 0.019707 0.0 -0.017773 0.028549 -0.008865

- 9 7 15/2 0.036014 0.029547 0.018342 0.0 -0.031590 0.095129 -0.267069

+ 9 9 17/2 -0.048545 -0.036263 -0.020334 0.0 0.026723 -0.065615 0.137840

+ 9 9 19/2 -0.013655 -0.010024 -0.006052 0.0 0.011259 -0.036374 0.110488

+ 5 5 9/2 0.014864 0.010647 0.005620 0.0 -0.006046 0.012296 -0.017648

+ 5 5 11/2 0.004603 0.003054 0.001525 0.0 -0.001533 0.003080 -0.004530

K= 9/2 (714)

E 8.786440 8.755334 8.726313 8.699442 8.673671 8.647668 8.620543

P N L J

- 7 5 9/2 0.075773 -0.078498 -0.070856 0.057331 0.043857 0.033960 0.028364

- 7 5 11/2 0.403230 -0.488969 -0.582314 0.661629 0.714080 0.740787 0.748978

+ 7 7 13/2 0.906828 -0.866532 -0.807740 0.742719 0.687141 0.647962 0.623799

+ 7 7 15/2 0.014380 0.012776 0.048332 -0.085611 -0.117906 -0.142654 -0.160649

+ 9 5 9/2 -0.002773 0.001240 0.000268 0.0 -0.000323 -0.000986 -0.001772

+ 9 5 11/2 -0.008172 0.006327 0.003708 0.0 0.004743 0.010310 0.016572

- 9 7 13/2 -0.015093 0.012789 0.006066 0.0 0.004960 0.009053 0.012737

- 9 7 15/2 -0.040581 0.026749 0.012634 0.0 0.010111 0.018166 0.025651

+ 9 9 17/2 -0.059423 0.040301 0.020207 0.0 0.019442 0.037781 0.055051

+ 9 9 19/2 -0.026610 -0.004819 -0.015706 0.0 -0.027498 -0.085607 -0.133717

+ 5 5 9/2 0.052849 -0.033724 -0.015606 0.0 -0.012991 -0.024509 -0.035836

+ 5 5 11/2 0.001155 -0.000892 -0.000449 0.0 -0.000280 -0.000333 -0.000186



EPS4 = -0.075 -0.050 -0.025 0.000 0.025 0.050 0.075  
 K= 7/2 (743)  
 E 7.389079 7.365682 7.342334 7.319032 7.295762 7.272488 7.249158

P N L J  
 + 7 3 7/2 0.037661 -0.038776 -0.040325 0.042378 -0.045035 -0.048403 -0.052621  
 - 7 5 9/2 -0.043735 0.040259 0.037139 -0.034472 0.032388 0.031020 0.030539  
 - 7 5 11/2 0.274643 -0.286680 -0.299977 0.314712 -0.331131 -0.349492 -0.370143  
 + 7 7 13/2 -0.108358 0.099789 0.091565 -0.083706 0.076219 0.069032 0.062019  
 + 7 7 15/2 0.950081 -0.949457 -0.947496 0.943510 -0.938320 -0.930224 -0.918867  
 - 9 3 7/2 -0.001240 0.000938 0.000531 0.0 -0.000679 -0.001535 -0.002609  
 + 9 5 9/2 0.000021 0.000021 0.000025 0.0 -0.000039 -0.000071 -0.000066  
 + 9 5 11/2 -0.0008305 0.005842 0.003089 0.0 -0.003484 -0.007433 -0.011935  
 - 9 7 13/2 -0.0030310 0.002191 0.001186 0.0 -0.001364 -0.002900 -0.004599  
 - 9 7 15/2 -0.009333 0.006500 0.003390 0.0 -0.003673 -0.007628 -0.011864  
 + 9 9 17/2 -0.012651 0.008492 0.004279 0.0 -0.004357 -0.008807 -0.013369  
 + 9 9 19/2 0.014015 -0.009570 -0.004930 0.0 -0.005332 0.011198 0.017758  
 - 5 3 7/2 -0.048331 0.034255 0.018256 0.0 -0.021024 -0.045539 -0.074650  
 + 5 5 9/2 0.041174 -0.027620 -0.013774 0.0 0.013247 0.025391 0.035675  
 + 5 5 11/2 0.047850 -0.032873 -0.016959 0.0 0.018153 0.037706 0.058962  
 + 3 3 7/2 0.001018 -0.000481 -0.000129 0.0 -0.000150 -0.000658 -0.001638

K= 5/2 (703)  
 E 9.755923 9.794340 9.832642 9.870182 9.906433 9.940861 9.972835

P N L J  
 + 7 3 5/2 -0.957677 0.949413 0.941065 0.932581 0.923514 -0.913308 0.901027  
 + 7 3 7/2 -0.126315 0.144254 0.160238 0.173574 0.184380 -0.192401 0.196782  
 - 7 5 9/2 0.236018 -0.266196 -0.287474 -0.304720 -0.318981 0.330631 -0.339540  
 - 7 5 11/2 0.017719 -0.031511 -0.044368 -0.055758 -0.065840 0.074614 -0.081819  
 + 7 7 13/2 -0.029457 0.042761 0.054064 0.064166 0.073380 -0.081876 0.089703  
 + 7 7 15/2 0.001474 0.002292 0.005738 0.009140 0.012521 -0.015874 0.019167  
 - 9 3 5/2 -0.008398 0.006161 0.003089 0.0 -0.003002 0.006102 -0.009887  
 - 9 3 7/2 -0.009305 0.004693 0.001143 0.0 0.001931 -0.008246 0.021427  
 + 9 5 9/2 0.043604 -0.023635 -0.010576 0.0 0.008451 -0.014292 0.016150  
 + 9 5 11/2 0.042368 -0.028956 -0.016413 0.0 0.020757 -0.046670 0.079359  
 - 9 7 13/2 -0.042030 0.042042 0.023536 0.0 -0.026952 0.057002 -0.090373  
 - 9 7 15/2 -0.015561 0.017874 0.009648 0.0 -0.011755 0.027131 -0.048405  
 + 9 9 17/2 0.061399 -0.019391 -0.007879 0.0 0.007517 -0.015877 0.025833  
 + 9 9 19/2 0.004484 -0.003771 -0.001698 0.0 0.002205 -0.005879 0.012235  
 - 5 3 5/2 0.016005 -0.011796 -0.006317 0.0 0.006932 -0.014312 0.021972  
 - 5 3 7/2 0.008076 -0.005397 -0.002697 0.0 0.002702 -0.005414 0.008138  
 + 5 5 9/2 -0.005582 0.003670 0.001827 0.0 -0.001834 0.003686 -0.005559  
 + 5 5 11/2 -0.002614 0.001749 0.000884 0.0 -0.000908 0.001840 -0.002793  
 + 3 3 5/2 -0.000157 0.000070 0.000018 0.0 0.000018 -0.000072 0.000163  
 + 3 3 7/2 -0.000045 0.000022 0.000006 0.0 0.000007 -0.000027 0.000063

EPS4 = -0.075 -0.050 -0.025 0.000 0.025 0.050 0.075  
 K= 5/2 (712)  
 E 9.172350 9.156399 9.138563 9.119621 9.099475 9.078184 9.055931

P N L J  
 + 7 3 5/2 -0.066191 -0.058341 -0.049104 0.040669 -0.034702 -0.030820 0.028982  
 + 7 3 7/2 -0.716082 -0.735607 -0.747167 0.750703 -0.747431 -0.738787 0.726021  
 - 7 5 9/2 -0.615872 -0.593455 -0.570518 0.552313 -0.538336 -0.527466 0.518491  
 - 7 5 11/2 0.164139 0.202412 0.236424 -0.265596 0.290423 0.311833 -0.330860  
 + 7 7 13/2 0.232464 0.232080 0.234107 -0.239035 0.246640 0.256460 -0.267926  
 + 7 7 15/2 -0.010307 -0.021713 -0.033468 0.045222 -0.056833 -0.068283 0.079608  
 - 9 3 5/2 -0.000351 -0.000532 -0.000425 0.0 0.000709 0.001641 -0.002738  
 - 9 3 7/2 0.012672 0.008807 0.004712 0.0 -0.005548 -0.012009 0.019358  
 + 9 5 9/2 0.017618 0.012209 0.006098 0.0 -0.005709 -0.010895 0.015542  
 + 9 5 11/2 0.005177 0.000860 -0.000495 0.0 0.001241 0.002406 -0.003005  
 - 9 7 13/2 0.010598 0.008952 0.005043 0.0 -0.005252 -0.010122 0.014274  
 - 9 7 15/2 -0.087836 -0.063855 -0.033698 0.0 0.034853 0.069270 -0.102495  
 + 9 9 17/2 -0.083593 -0.050945 -0.023571 0.0 0.020996 0.040194 -0.058010  
 + 9 9 19/2 0.039342 0.027603 0.013736 0.0 -0.011742 -0.020139 0.024121  
 - 5 3 5/2 -0.023391 -0.014281 -0.006622 0.0 0.006072 0.011988 -0.017999  
 - 5 3 7/2 -0.009462 -0.005744 -0.002573 0.0 0.001943 0.003233 -0.003846  
 + 5 5 9/2 -0.003985 -0.002350 -0.001029 0.0 0.000765 0.001284 -0.001561  
 + 5 5 11/2 -0.001817 -0.001033 -0.000427 0.0 0.000254 0.000337 -0.000252  
 + 3 3 5/2 -0.000004 -0.000000 0.000000 0.0 0.000001 0.000007 -0.000020  
 + 3 3 7/2 0.000002 0.000002 0.000001 0.0 0.000002 0.000012 -0.000036

K= 5/2 (723)  
 E 8.971280 8.942909 8.908709 8.870124 8.828611 8.785719 8.743976

P N L J  
 + 7 3 5/2 -0.245380 -0.284259 -0.316302 0.342184 -0.362797 -0.378454 -0.385512  
 + 7 3 7/2 0.565512 0.531957 0.501049 -0.474278 0.451051 0.428682 0.396816  
 - 7 5 9/2 -0.610029 -0.628238 -0.636914 0.636575 -0.628345 -0.612423 -0.583245  
 - 7 5 11/2 -0.337429 -0.341353 -0.342098 0.341940 -0.342773 -0.346736 -0.357645  
 + 7 7 13/2 0.310757 0.325833 0.341271 -0.357212 0.374129 0.392460 0.410607  
 + 7 7 15/2 0.062129 0.072205 0.081599 -0.090662 0.099645 0.108477 0.115462  
 - 9 3 5/2 0.012892 0.009090 0.004786 0.0 -0.005219 -0.010810 -0.016631  
 - 9 3 7/2 -0.000782 -0.001583 -0.001321 0.0 0.002266 0.005273 0.008556  
 + 9 5 9/2 0.002458 0.004850 0.003887 0.0 -0.006251 -0.014402 -0.024274  
 + 9 5 11/2 0.040597 0.027217 0.013436 0.0 -0.013053 -0.026571 -0.043697  
 - 9 7 13/2 -0.043989 -0.027189 -0.012422 0.0 0.010146 0.018079 0.022929  
 - 9 7 15/2 0.125253 0.080518 0.038775 0.0 -0.037781 -0.079843 -0.143069  
 + 9 9 17/2 -0.080931 -0.052018 -0.024647 0.0 0.021317 0.038998 0.052120  
 + 9 9 19/2 -0.064505 -0.035033 -0.012928 0.0 0.000121 -0.023298 -0.111281  
 - 5 3 5/2 -0.058321 -0.040326 -0.020845 0.0 0.022190 0.045762 0.070191  
 - 5 3 7/2 0.001428 0.000253 -0.000189 0.0 0.000775 0.002189 0.004505  
 + 5 5 9/2 -0.001928 -0.001062 -0.000347 0.0 -0.000227 -0.001223 -0.003126  
 + 5 5 11/2 -0.000099 -0.000020 0.000047 0.0 -0.000254 -0.000802 -0.001706  
 + 3 3 5/2 0.000071 0.000039 0.000012 0.0 0.000019 0.000091 0.000247  
 + 3 3 7/2 0.0000215 0.000098 0.000025 0.0 0.000027 0.000115 0.000268







EPS4 = -0.075 -0.050 -0.025 0.000 0.025 0.050 0.075

K= 3/2 (752)

E 7.69C488 7.7203C6 7.745326 7.763644 7.773937 7.775919 7.77C320

P N L J  
- 7 1 3/2 0.145304 -C.150884 -0.156304 -0.161191 0.165085 C.168004 0.170654  
+ 7 3 5/2 -0.228310 0.218440 0.204202 0.184739 -0.160503 -0.133654 -0.106920  
+ 7 3 7/2 0.406555 -C.440887 -0.476498 -0.511571 0.542998 0.568489 0.588344  
- 7 5 9/2 -0.381532 0.362257 0.331181 0.286940 -0.231932 -0.172452 -0.115141  
- 7 5 11/2 0.427955 -0.481571 -0.533007 -0.578676 0.613089 0.632144 0.635786  
+ 7 7 13/2 -0.385174 0.361442 0.319970 0.261003 -0.190882 -0.120656 -0.059911  
+ 7 7 15/2 -0.494873 0.472605 0.454061 0.439159 -0.426657 -0.415455 -0.405452  
+ 9 1 3/2 0.003823 -0.002021 -0.000688 0.0 0.000087 0.000987 0.002643  
- 9 3 5/2 -0.010073 0.006383 0.003000 0.0 0.002608 0.004892 0.006976  
- 9 3 7/2 0.017394 -0.010168 -0.004165 0.0 -0.001833 -0.001178 0.001738  
+ 9 5 9/2 -0.028217 0.018248 0.008742 0.0 0.007742 0.014430 0.020260  
+ 9 5 11/2 0.055665 -C.036454 -0.017523 0.0 -0.014983 -0.026688 -0.035130  
- 9 7 13/2 -0.050421 0.032426 0.015264 0.0 0.012306 0.021110 0.026648  
- 9 7 15/2 0.103901 -0.072053 -0.036855 0.0 -0.036235 -0.069569 -0.098677  
+ 9 9 17/2 -0.055531 0.035032 0.015882 0.0 0.010807 0.015820 0.015722  
+ 9 9 19/2 0.098804 -0.071451 -0.037630 0.0 -0.037715 -0.071580 -0.098898  
+ 5 1 3/2 -0.053961 0.036738 0.018709 0.0 0.019121 0.038164 0.056670  
- 5 3 5/2 0.068044 -C.041051 -0.018243 0.0 -0.013269 -0.021740 -0.026338  
- 5 3 7/2 0.038070 0.023892 -0.011644 0.0 -0.012280 -0.025974 -0.041382  
+ 5 5 9/2 -0.001838 C.000020 -0.000436 0.0 -0.000882 -0.001898 -0.002947  
+ 5 5 11/2 -0.003360 0.002774 0.001589 0.0 0.001764 0.003552 0.005356  
- 3 1 3/2 -0.000010 -C.000031 -0.000018 0.0 0.000041 0.000210 0.000574  
+ 3 3 5/2 0.000886 -C.0000361 -0.000083 0.0 0.000072 0.000270 0.000577  
+ 3 3 7/2 0.000C186 -C.0000069 -0.000013 0.0 0.000004 0.000000 -0.000034  
+ 1 1 3/2 -0.000003 0.000001 0.000000 0.0 0.000000 0.000001 0.000003

K= 3/2 (761)

E 6.892463 6.936620 6.977376 7.019454 7.05739C 7.093124 7.126616

P N L J  
- 7 1 3/2 0.054722 0.046560 0.032807 0.031461 0.024240 0.017159 0.010144  
+ 7 3 5/2 -0.055095 -0.045439 -0.032317 -0.025140 -0.015265 -0.005277 0.004862  
+ 7 3 7/2 0.214425 0.195580 0.146631 0.159914 0.142598 0.126573 0.111999  
- 7 5 9/2 -0.084498 -0.071158 -0.045919 -0.043792 -0.028965 -0.013747 0.002029  
- 7 5 11/2 0.482683 0.473341 0.382473 0.458114 0.449194 0.441593 0.435451  
+ 7 7 13/2 -0.083922 -0.072981 -0.043707 -0.050834 -0.037698 -0.024701 -0.011763  
+ 7 7 15/2 0.810914 0.837957 0.727231 C.870882 0.877803 0.879780 0.877763  
+ 9 1 3/2 0.002927 0.001792 0.000677 0.0 -0.000732 -0.001400 -0.002041  
- 9 3 5/2 -0.005416 -0.003267 -0.001204 0.0 0.001239 0.002302 0.003271  
- 9 3 7/2 0.010936 0.006565 0.002453 0.0 -0.002281 -0.003967 -0.005129  
+ 9 5 9/2 -0.012183 -0.007273 -0.002679 0.0 0.002520 0.004405 0.005756  
+ 9 5 11/2 0.026729 0.016074 0.005981 0.0 -0.005501 -0.009389 -0.011766  
- 9 7 13/2 -0.018655 -0.011219 -0.004166 0.0 0.003851 0.006586 0.008274  
- 9 7 15/2 0.055481 0.037643 0.014789 0.0 -0.015781 -0.029552 -0.041471  
+ 9 9 17/2 -0.020201 -0.012389 -0.004616 0.0 0.004508 0.007835 0.009982  
+ 9 9 19/2 0.101735 C.067260 0.027714 0.0 -0.032272 -0.063305 -0.093083  
+ 5 1 3/2 -0.057509 -0.059980 -0.232578 0.0 0.006435 0.021573 0.039528  
- 5 3 5/2 0.064010 0.074012 0.418053 0.0 0.018542 0.025787 0.030683  
- 5 3 7/2 -0.141698 -C.069112 0.147676 0.0 0.045906 0.079597 0.106317  
+ 5 5 9/2 -0.008975 -0.019765 -0.206754 0.0 -0.020146 -0.034829 -0.048416  
+ 5 5 11/2 -0.000482 -0.008254 -0.052063 0.0 0.001698 0.006757 0.013579  
- 3 1 3/2 -0.004052 -0.001728 -0.001781 0.0 -0.000063 -C.0000194 -0.0000256  
+ 3 3 5/2 -0.000426 C.0000116 0.001534 0.0 -0.000149 -0.000470 -0.000891  
+ 3 3 7/2 -0.000130 -C.000028 0.000027 0.0 -0.000004 -0.000011 -0.000016  
+ 1 1 3/2 0.000001 -0.000001 -0.000002 0.0 -0.000000 -0.000002 -0.000004

EPS4 = -0.075 -0.050 -0.025 0.000 0.025 0.050 0.075

K= 1/2 (701)

E 9.802524 9.840475 9.878694 9.916497 9.953618 9.991194 10.013131

A 1.110765 1.082547 1.053340 1.026718 0.990996 0.602259 -1.468511

F N L J  
- 7 1 1/2 -0.799478 -C.782559 -0.768022 0.754669 0.739469 0.693417 -0.573476  
- 7 1 3/2 -0.334393 -C.350480 -0.361735 0.369866 0.376474 0.379393 -0.240020  
+ 7 3 5/2 0.454021 0.461347 0.465900 -0.468945 -0.470542 -0.457340 0.350480  
+ 7 3 7/2 0.104866 0.133506 0.156024 -0.174648 -0.190857 -0.202814 0.144087  
- 7 5 9/2 -0.149043 -0.168485 -0.183739 0.196890 0.208393 0.209454 -0.186737  
- 7 5 11/2 -0.010037 -0.024777 -0.037568 0.049129 0.060164 0.071837 -0.042285  
+ 7 7 13/2 0.020952 0.029575 0.037573 -0.045017 -0.051857 -0.056314 0.049024  
+ 7 7 15/2 -0.001110 0.00C1564 0.004486 -0.010630 -0.012813 0.015710  
+ 9 1 1/2 -0.002164 -0.007630 -0.006689 0.0 -0.014812 -0.047912 -0.041831  
+ 9 1 3/2 -0.010805 C.001531 0.005584 0.0 0.025388 0.121883 0.238750  
- 9 3 5/2 -0.015238 0.001671 -0.003078 0.0 -0.012107 -0.035043 -0.015455  
- 9 3 7/2 0.022353 0.020433 0.014134 0.0 0.038623 0.190233 0.419340  
+ 9 5 9/2 -0.038194 -C.030231 -0.017410 0.0 -0.022219 -0.044349 0.034855  
+ 9 5 11/2 -0.042785 -0.032066 -0.016729 0.0 -0.008649 0.043014 0.304316  
- 9 7 13/2 0.045456 0.035327 0.018416 0.0 0.019089 0.037681 -0.054519  
- 9 7 15/2 0.035493 0.015720 0.003795 0.0 -0.014636 -0.104060 -0.294552  
+ 9 9 17/2 -0.027575 -0.009633 -0.001605 0.0 0.001759 -0.004157 -0.023255  
+ 9 9 19/2 -0.010847 -C.002881 0.000404 0.0 0.007082 0.040786 0.106382  
+ 5 1 1/2 0.012062 0.009217 0.005052 0.0 0.005714 0.011597 -0.013993  
+ 5 1 3/2 0.011835 C.008086 0.004119 0.0 0.004240 0.008383 -0.009209  
- 5 3 5/2 -0.006743 -C.004754 -0.002489 0.0 -0.002675 -0.005442 0.005546  
- 5 3 7/2 -0.007546 -0.004916 -0.002423 0.0 -0.002376 -0.004442 0.006276  
+ 5 5 9/2 0.003311 0.002113 0.001020 0.0 0.000964 0.001781 -0.002416  
+ 5 5 11/2 0.002091 0.001414 0.000715 0.0 0.000730 0.001464 -0.001394  
- 3 1 1/2 -0.000167 -C.000072 -0.000018 0.0 0.000017 0.000063 -0.000128  
- 3 1 3/2 -0.000072 -0.000035 -0.000009 0.0 0.000010 0.000043 -0.000053  
+ 3 3 5/2 0.000038 C.000019 0.000005 0.0 -0.000006 -0.000023 0.000030  
+ 3 3 7/2 0.000027 C.000014 0.000004 0.0 -0.000005 -0.000018 0.000043  
+ 1 1 1/2 0.000000 C.000000 0.000000 0.0 0.000000 0.000000 -0.000000  
+ 1 1 3/2 0.000000 -C.000000 -0.000000 0.0 0.000000 -C.000000 -0.000000

EPS4 =	-0.075	-0.050	-0.025	0.000	0.025	0.050	0.075
K= 1/2 (710)							
E	9.406030	9.391989	9.375419	9.358127	9.339603	9.316016	9.296167
A	0.236705	0.237279	0.270072	0.208860	0.180306	-0.328679	0.137320
P N L J							
- 7 1 1/2	-0.055370	0.044445	0.038338	0.032001	-0.028485	0.029620	-0.030228
- 7 1 3/2	-0.620739	0.609817	0.596064	0.584214	-0.563800	0.541785	-0.535866
+ 7 3 5/2	-0.511859	0.505214	0.505018	0.497545	-0.488286	0.459535	-0.463973
+ 7 3 7/2	0.383648	-0.403786	-0.415340	-0.429467	0.440428	-0.398121	0.423170
- 7 5 9/2	0.402184	-0.410170	-0.407704	-0.423749	0.430897	-0.429401	0.449064
- 7 5 11/2	-0.096020	0.118551	0.137467	0.157510	-0.175582	0.179768	-0.204337
+ 7 7 13/2	-0.109444	0.118255	0.130983	0.143071	-0.156254	0.166989	-0.188248
+ 7 7 15/2	0.007034	-0.013990	-0.021355	-0.028894	0.036556	-0.041574	0.050670
+ 9 1 1/2	0.000925	0.003256	-0.009641	0.0	-0.002179	-0.001190	0.000153
+ 9 1 3/2	-0.003606	0.000706	0.006643	0.0	0.006369	0.022433	-0.013648
- 9 3 5/2	0.010735	0.001754	-0.027597	0.0	-0.009398	0.012148	-0.019896
- 9 3 7/2	-0.034481	0.027362	0.013620	0.0	0.032776	0.053544	-0.002659
+ 9 5 9/2	-0.035121	0.038604	-0.031043	0.0	-0.000199	-0.008036	0.009748
+ 9 5 11/2	-0.058557	0.049007	0.011535	0.0	0.060700	0.135014	-0.033725
- 9 7 13/2	-0.070728	0.070487	-0.040539	0.0	0.005525	-0.020356	0.027837
- 9 7 15/2	0.078259	-0.039145	-0.038486	0.0	0.020555	0.227175	-0.159875
+ 9 9 17/2	0.036282	0.006600	-0.086122	0.0	-0.027748	0.043801	-0.064409
+ 9 9 19/2	-0.025892	0.007713	0.014325	0.0	-0.022960	-0.117316	0.060720
+ 5 1 1/2	-0.008960	0.005760	0.002731	0.0	0.002851	-0.006636	0.010216
+ 5 1 3/2	-0.014157	0.008665	0.004054	0.0	0.003304	-0.005605	0.007539
- 5 3 5/2	-0.006517	0.004010	0.001708	0.0	0.001269	-0.002102	0.002288
- 5 3 7/2	0.001792	-0.001226	-0.000582	0.0	-0.000539	0.001184	-0.001651
+ 5 5 9/2	0.002662	-0.001755	-0.000934	0.0	-0.000987	0.001986	-0.003293
+ 5 5 11/2	0.002180	-0.001304	-0.000573	0.0	-0.000423	0.000800	-0.000989
- 3 1 1/2	-0.000033	0.000014	0.000004	0.0	-0.000004	0.000016	-0.000044
- 3 1 3/2	-0.000134	0.000055	0.000012	0.0	-0.000008	0.000029	-0.000047
+ 3 3 5/2	-0.000070	0.000029	0.000007	0.0	-0.000007	0.000024	-0.000057
+ 3 3 7/2	-0.000036	0.000015	0.000003	0.0	-0.000003	0.000018	-0.000038
+ 1 1 1/2	-0.000000	0.000000	-0.000000	0.0	-0.000000	0.000000	0.000000
+ 1 1 3/2	-0.000000	0.000000	0.000000	0.0	0.000000	-0.000000	0.000000

EPS4 =	-0.075	-0.050	-0.025	0.000	0.025	0.050	0.075
K= 1/2 (721)							
E	9.034354	8.998324	8.972939	8.938138	8.900032	8.860433	8.821195
A	0.360001	-0.292539	0.746410	0.826735	0.872722	0.905860	0.881019
P N L J							
- 7 1 1/2	-0.392279	-0.426553	0.476073	0.494864	-0.507805	0.515329	0.516363
- 7 1 3/2	0.219509	0.247289	-0.218482	-0.202184	0.191107	-0.182181	-0.172439
+ 7 3 5/2	-0.206989	-0.201457	0.193557	0.172763	-0.148942	0.122212	0.093054
+ 7 3 7/2	-0.524370	-0.429943	0.491602	0.483020	-0.468749	0.451918	0.430605
- 7 5 9/2	0.531632	0.496558	-0.542948	-0.542510	0.538912	-0.532986	-0.523103
- 7 5 11/2	0.263249	0.223005	-0.268091	-0.276719	0.284444	-0.294922	-0.313492
+ 7 7 13/2	-0.235493	-0.240650	0.264073	0.275272	-0.289568	0.307032	-0.326837
+ 7 7 15/2	-0.041401	-0.045996	0.057961	0.066404	-0.075080	0.083750	0.090836
+ 9 1 1/2	-0.037522	0.045621	-0.006597	0.0	-0.004737	0.009935	0.015757
+ 9 1 3/2	0.090262	-0.080001	0.005005	0.0	-0.001186	0.003101	0.004999
- 9 3 5/2	-0.081568	0.042584	0.000996	0.0	0.003223	-0.005700	-0.007118
- 9 3 7/2	0.139282	-0.137143	0.008089	0.0	-0.005956	0.016031	0.028399
+ 9 5 9/2	-0.097547	0.031249	0.008139	0.0	0.011653	-0.023280	-0.034091
+ 9 5 11/2	0.109272	-0.209720	0.031374	0.0	0.012546	-0.018833	-0.022245
- 9 7 13/2	-0.046272	0.058243	-0.009024	0.0	-0.005452	0.010367	0.015162
- 9 7 15/2	-0.029690	-0.202636	0.052633	0.0	0.036900	-0.069087	-0.106095
+ 9 9 17/2	0.042124	0.084815	-0.027837	0.0	-0.021224	0.037851	0.050100
+ 9 9 19/2	-0.062230	0.218949	-0.038013	0.0	-0.013353	0.008565	-0.031118
+ 5 1 1/2	-0.059710	-0.036437	0.020448	0.0	0.020975	-0.042382	-0.063969
+ 5 1 3/2	-0.012780	-0.007972	0.004638	0.0	0.005005	-0.010506	-0.017042
- 5 3 5/2	0.011301	0.008544	-0.004553	0.0	-0.005349	0.011886	0.019972
- 5 3 7/2	-0.004231	-0.002934	0.001267	0.0	0.000803	-0.001105	-0.001039
+ 5 5 9/2	0.005678	0.003828	-0.001962	0.0	-0.001899	0.003769	0.005665
+ 5 5 11/2	0.000777	0.000287	-0.000222	0.0	-0.000185	0.000262	0.000077
- 3 1 1/2	-0.000172	-0.000077	0.000019	0.0	-0.000015	0.000054	0.000108
- 3 1 3/2	0.000213	0.000109	-0.000028	0.0	0.000032	-0.000141	-0.000358
+ 3 3 5/2	-0.000164	-0.000075	0.000021	0.0	-0.000022	0.000095	0.000231
+ 3 3 7/2	-0.000214	-0.000083	0.000024	0.0	-0.000025	0.000100	0.000220
+ 1 1 1/2	-0.000002	-0.000000	0.000000	0.0	0.000000	-0.000001	-0.000002
+ 1 1 3/2	-0.000000	-0.000000	0.000000	0.0	0.000000	-0.000000	-0.000001

EPS4 =	-0.075	-0.050	-0.025	0.000	0.025	0.050	0.075
K= 1/2 (73C)							
E	8.518712	8.506321	8.488090	8.465537	8.438719	8.411810	8.384384
A	0.345712	0.485160	0.647281	0.850836	0.641046	1.363161	1.821944
P N L J							
- 7 1 1/2	-0.033285	0.039048	0.051583	0.070771	0.098034	-0.135181	-0.184384
- 7 1 3/2	-0.335322	0.361716	0.377438	0.382620	0.365466	-0.351423	-0.308870
+ 7 3 5/2	-0.350553	0.374761	0.403292	0.435693	0.463400	-0.513275	-0.562689
+ 7 3 7/2	-0.378763	0.377425	0.370555	0.358404	0.339113	-0.319598	-0.285799
- 7 5 9/2	-0.378593	0.378680	0.373724	0.364615	0.342975	-0.334573	-0.318679
- 7 5 11/2	0.452448	-0.441586	-0.424479	-0.404620	-0.359524	0.345747	0.316402
+ 7 7 13/2	0.470970	-0.466115	-0.464789	-0.466885	-0.463077	0.478609	0.485189
+ 7 7 15/2	-0.125320	0.124654	0.124652	0.125170	0.124323	-0.126823	-0.126092
+ 9 1 1/2	0.010296	-0.004913	-0.001731	0.0	0.000440	-0.000907	-0.000961
+ 9 1 3/2	-0.016660	0.006071	0.000934	0.0	0.004834	-0.009238	-0.016688
- 9 3 5/2	0.011597	-0.006539	-0.002876	0.0	0.001700	-0.003405	-0.003415
- 9 3 7/2	-0.057056	0.031663	0.013157	0.0	0.003680	0.002241	-0.002310
+ 9 5 9/2	-0.018360	0.013272	0.007060	0.0	-0.008921	0.018882	0.032357
+ 9 5 11/2	-0.104993	0.066790	0.032656	0.0	0.013232	0.021532	0.031364
- 9 7 13/2	-0.058478	0.039485	0.019756	0.0	-0.020792	0.040782	0.062283
- 9 7 15/2	-0.085581	0.063144	0.035940	0.0	0.080749	-0.012593	0.002473
+ 9 9 17/2	-0.037370	0.023293	0.010403	0.0	-0.009246	0.013208	0.015207
+ 9 9 19/2	0.057787	-0.016867	0.007744	0.0	0.206486	-0.108125	-0.098820
+ 5 1 1/2	0.007750	-0.005027	-0.002433	0.0	0.002139	-0.004246	-0.006532
+ 5 1 3/2	-0.047654	0.031795	0.015900	0.0	-0.015361	0.031760	0.048157
- 5 3 5/2	-0.028268	0.018606	0.009237	0.0	-0.009037	0.018194	0.026384
- 5 3 7/2	0.006388	-0.004260	-0.002117	0.0	0.002005	-0.003598	-0.004166
+ 5 5 9/2	-0.006085	0.003956	0.001949	0.0	-0.001910	0.003870	0.005594
+ 5 5 11/2	0.004461	-0.002922	-0.001434	0.0	0.001364	-0.002572	-0.003413
- 3 1 1/2	0.000229	-0.000101	-0.000025	0.0	-0.000024	0.000094	0.000188
- 3 1 3/2	-0.000666	0.000292	0.000073	0.0	0.000071	-0.000284	-0.000606
+ 3 3 5/2	-0.000111	0.000049	0.000012	0.0	0.000011	-0.000048	-0.000119
+ 3 3 7/2	0.000039	-0.000017	-0.000004	0.0	-0.000003	0.000015	0.000047
+ 1 1 1/2	0.000000	-0.000000	0.000000	0.0	-0.000000	-0.000000	-0.000000
+ 1 1 3/2	-0.000001	0.000000	-0.000000	0.0	0.000000	0.000000	0.000001

EPS4 =	-0.075	-0.050	-0.025	0.000	0.025	0.050	0.075
K= 1/2 (741)							
E	8.110765	8.134230	8.148100	8.156448	8.161986	8.166381	8.171318
A	-1.301104	-0.220702	0.074750	-0.009603	-0.278311	-0.714460	-1.327125
P N L J							
- 7 1 1/2	0.301893	0.332906	0.353398	0.369537	-0.385199	-0.358619	-0.406076
- 7 1 3/2	-0.338284	-0.369491	-0.402380	-0.441089	0.487023	0.540535	0.600151
+ 7 3 5/2	0.335069	0.371869	0.389040	0.395226	-0.394497	-0.387036	-0.370382
+ 7 3 7/2	-0.090503	-0.073768	-0.080323	-0.103751	0.138870	0.184060	0.239523
- 7 5 9/2	0.002770	0.016744	0.022673	0.023209	-0.022404	-0.026154	-0.046054
- 7 5 11/2	0.419778	0.480790	0.494112	0.483209	-0.461894	-0.435301	-0.404353
+ 7 7 13/2	-0.500578	-0.516113	-0.502967	-0.473010	0.426899	0.355527	0.237275
+ 7 7 15/2	-0.245498	-0.237092	-0.222634	-0.209406	0.199412	0.193021	0.190302
+ 9 1 1/2	0.008128	0.007276	0.003882	0.0	0.003405	0.006164	0.008548
+ 9 1 3/2	-0.002053	-0.007189	-0.005130	0.0	-0.005406	-0.009805	-0.012492
- 9 3 5/2	0.025032	0.020103	0.010749	0.0	0.011026	0.022406	0.034745
- 9 3 7/2	0.005995	-0.010519	-0.010303	0.0	-0.014882	-0.031785	-0.049346
+ 9 5 9/2	0.038680	0.030651	0.016468	0.0	0.017181	0.034822	0.053047
+ 9 5 11/2	0.060572	0.015524	-0.002691	0.0	-0.015074	-0.038336	-0.068167
- 9 7 13/2	0.022581	0.019544	0.010827	0.0	0.011199	0.022514	0.034934
- 9 7 15/2	0.195930	0.095972	0.033182	0.0	0.011784	0.009241	-0.004804
+ 9 9 17/2	-0.027245	-0.015983	-0.007105	0.0	-0.005674	-0.008738	-0.005142
+ 9 9 19/2	0.369360	0.202822	0.077709	0.0	0.046546	0.073291	0.085907
+ 5 1 1/2	-0.026668	-0.018815	-0.009654	0.0	-0.010037	-0.020782	-0.033284
+ 5 1 3/2	-0.022114	-0.017841	-0.009080	0.0	-0.008176	-0.014997	-0.019962
- 5 3 5/2	0.034523	0.023295	0.011113	0.0	0.008582	0.012424	0.006891
- 5 3 7/2	0.019563	0.012744	0.006355	0.0	0.006996	0.015341	0.025903
+ 5 5 9/2	0.008062	0.005278	0.002411	0.0	0.001532	0.001443	-0.001977
+ 5 5 11/2	0.003229	0.001680	0.000714	0.0	0.000817	0.002110	0.004401
- 3 1 1/2	0.000218	0.000096	0.000026	0.0	-0.000036	-0.000184	-0.000558
- 3 1 3/2	0.000451	0.000212	0.000051	0.0	-0.000032	-0.000049	0.000175
+ 3 3 5/2	-0.000338	-0.000163	-0.000040	0.0	0.000031	0.000090	0.000077
+ 3 3 7/2	-0.000121	-0.000048	-0.000012	0.0	0.000018	0.000092	0.000293
+ 1 1 1/2	-0.000001	-0.000000	0.000000	0.0	0.000000	-0.000001	-0.000003
+ 1 1 3/2	-0.000003	-0.000001	-0.000000	0.0	-0.000000	-0.000000	0.000001

EPS4 =	-0.075	-0.050	-0.025	0.000	0.025	0.050	0.075
K= 1/2 (75C)							
E	7.638798	7.690182	7.742800	7.798138	7.857823	7.921575	7.985832
A	1.552546	2.356852	3.268276	4.235642	5.076534	5.629684	5.929958
P N L J							
- 7 1 1/2	-0.045974	0.070772	-0.053516	0.114750	-0.126180	0.116885	0.075827
- 7 1 3/2	-0.144922	0.111457	-0.069088	0.020295	0.023848	-0.043838	-0.016575
+ 7 3 5/2	-0.254275	0.279050	-0.305877	0.329865	-0.340542	0.326813	0.281618
+ 7 3 7/2	-0.333517	0.306289	-0.259618	0.191288	-0.109629	0.036294	-0.004859
- 7 5 9/2	-0.473111	0.500917	-0.530673	0.559147	-0.579320	0.586314	0.581820
- 7 5 11/2	-0.323825	0.326013	-0.304839	0.254804	-0.177721	0.086918	-0.005505
+ 7 7 13/2	-0.565883	0.600480	-0.631495	0.662175	-0.689897	0.714761	0.741071
+ 7 7 15/2	0.333643	-0.279404	0.220687	-0.158026	0.096234	-0.042847	0.001340
+ 9 1 1/2	0.000031	0.001330	-0.001389	0.0	0.002676	-0.005861	-0.008446
+ 9 1 3/2	-0.007066	0.002039	0.000420	0.0	-0.002955	0.006946	0.009934
- 9 3 5/2	-0.007885	0.007409	-0.004858	0.0	0.006711	-0.013405	-0.016949
- 9 3 7/2	-0.020883	0.009127	-0.001847	0.0	-0.003252	0.008640	0.010842
+ 9 5 9/2	-0.026966	0.020605	-0.011703	0.0	0.013692	-0.026507	-0.033785
+ 9 5 11/2	-0.051411	0.027985	-0.009931	0.0	0.000487	0.005498	0.009933
- 9 7 13/2	-0.056759	0.040838	-0.022021	0.0	0.024418	-0.048526	-0.068534
- 9 7 15/2	-0.083357	0.050403	-0.020906	0.0	0.007716	-0.002286	0.010089
+ 9 9 17/2	-0.077658	0.054716	-0.028910	0.0	0.031578	-0.064414	-0.097189
+ 9 9 19/2	-0.068309	0.044901	-0.020256	0.0	0.009803	-0.005996	0.010284
+ 5 1 1/2	0.024715	-0.018830	0.010504	0.0	-0.012074	0.024087	0.033559
+ 5 1 3/2	0.055010	-0.029906	0.010886	0.0	-0.000919	-0.007322	-0.021350
- 5 3 5/2	0.077586	-0.051866	0.026525	0.0	-0.028571	0.058606	0.088663
- 5 3 7/2	-0.031279	0.017190	-0.007104	0.0	0.005159	-0.009140	-0.011479
+ 5 5 9/2	0.015586	-0.015181	0.008605	0.0	-0.010370	0.021897	0.033797
+ 5 5 11/2	-0.004384	0.002302	-0.000962	0.0	0.001090	-0.002680	-0.004623
- 3 1 1/2	-0.001153	0.000494	-0.000120	0.0	-0.000117	0.000462	0.000999
- 3 1 3/2	0.002144	-0.000912	0.000224	0.0	0.000229	-0.000926	-0.002073
+ 3 3 5/2	-0.000204	0.000145	-0.000052	0.0	-0.000088	0.000412	0.001015
+ 3 3 7/2	0.000336	-0.000169	0.000049	0.0	0.000065	-0.000288	-0.000671
+ 1 1 1/2	0.000003	-0.000001	-0.000000	0.0	0.000000	0.000002	0.000006
+ 1 1 3/2	-0.000003	0.000001	-0.000000	0.0	0.000000	-0.000003	-0.000012

EPS4 =	-0.075	-0.050	-0.025	0.000	0.025	0.050	0.075
K= 1/2 (761)							
E	7.335559	7.425257	7.507380	7.581763	7.644263	7.692957	7.728762
A	-1.627687	-2.312992	-3.028773	-3.867760	-4.618338	-5.075595	-5.251348
P N L J							
- 7 1 1/2	0.235611	0.227099	-0.204392	0.170603	-0.126443	0.076985	0.027763
- 7 1 3/2	-0.344810	-0.369172	0.374256	-0.366065	0.341864	-0.303856	-0.258503
+ 7 3 5/2	0.341520	0.322999	-0.278997	0.217512	-0.142336	0.064986	-0.004222
+ 7 3 7/2	-0.353683	-0.463854	0.523862	-0.574413	0.608522	-0.622671	-0.621770
- 7 5 9/2	0.347485	0.316523	-0.268690	0.201754	-0.122201	0.046339	-0.012113
- 7 5 11/2	-0.141808	-0.249396	0.344846	-0.435814	0.512602	-0.566678	-0.598484
+ 7 7 13/2	0.244176	0.236181	-0.199343	0.145376	-0.080543	0.021438	-0.018612
+ 7 7 15/2	0.508364	0.503597	-0.479190	0.455513	-0.432592	0.408133	0.384209
+ 9 1 1/2	0.023138	0.015223	-0.007146	0.0	0.005641	-0.009645	-0.012485
+ 9 1 3/2	-0.032848	-0.022150	0.010497	0.0	-0.008091	0.013133	0.015493
- 9 3 5/2	0.041756	0.027216	-0.012533	0.0	0.009137	-0.014479	-0.016790
- 9 3 7/2	-0.051150	-0.035734	0.017521	0.0	-0.014210	0.023131	0.026475
+ 9 5 9/2	0.054750	0.035077	-0.015730	0.0	0.010057	-0.013768	-0.012326
+ 9 5 11/2	-0.069451	-0.052524	0.027916	0.0	-0.027429	0.050396	0.066900
- 9 7 13/2	0.058797	0.037226	-0.016310	0.0	0.009020	-0.010140	-0.005467
- 9 7 15/2	-0.066280	-0.056677	0.033492	0.0	-0.039991	0.080774	0.117914
+ 9 9 17/2	0.047427	0.029678	-0.012722	0.0	0.005915	-0.004790	0.000641
+ 9 9 19/2	-0.011215	-0.021698	0.017581	0.0	-0.028246	0.061423	0.093877
+ 5 1 1/2	0.118513	0.028045	0.009645	0.0	-0.004475	0.003982	-0.000409
+ 5 1 3/2	0.166346	0.067827	-0.035162	0.0	0.034846	-0.067504	-0.097151
- 5 3 5/2	-0.151724	-0.042156	0.020245	0.0	-0.014610	0.023719	0.030068
- 5 3 7/2	-0.077947	-0.031447	0.012421	0.0	-0.008001	0.013742	0.018673
+ 5 5 9/2	0.014212	-0.006184	0.002705	0.0	-0.001046	-0.000215	-0.003350
+ 5 5 11/2	-0.000376	-0.000560	-0.000246	0.0	0.001304	-0.003468	-0.006292
- 3 1 1/2	-0.002987	-0.000474	0.000093	0.0	0.000068	-0.000275	-0.000647
- 3 1 3/2	-0.002804	-0.000435	0.000115	0.0	0.000093	-0.000317	-0.000634
+ 3 3 5/2	0.001814	0.000529	-0.000133	0.0	-0.000116	0.000418	0.000847
+ 3 3 7/2	0.000433	-0.000244	0.000058	0.0	0.0000051	-0.000176	-0.000341
+ 1 1 1/2	0.000005	-0.000002	-0.000000	0.0	0.000000	0.000001	0.000003
+ 1 1 3/2	0.000017	0.000004	-0.000001	0.0	0.000001	-0.000003	-0.000010

EPS4 =	-0.075	-0.050	-0.025	0.000	0.025	0.050	0.075
K= 1/2 (77C)							
E	6.720024	6.802293	6.877653	6.946232	7.008856	7.066658	7.120512
A	-6.304533	-6.783790	-7.061129	-7.271428	-7.397903	-7.474858	-7.511920
P N L J							
- 7 1 1/2	0.068319	0.051173	0.035000	-0.020618	-0.008110	0.002597	0.011711
- 7 1 3/2	-0.168870	-0.136879	-0.105209	0.075101	0.046758	0.020139	-0.005156
+ 7 3 5/2	0.084239	0.060298	0.040049	-0.023204	-0.009161	0.002143	0.011098
+ 7 3 7/2	-0.331310	-0.254733	-0.254667	0.214448	0.174362	0.135657	0.098374
- 7 5 9/2	0.075715	0.053952	0.036945	-0.022832	-0.011316	-0.001980	0.005479
- 7 5 11/2	-0.528252	-0.525610	-0.511711	0.494102	0.473068	0.451521	0.430269
+ 7 7 13/2	0.050999	0.038963	0.029015	-0.019568	-0.012227	-0.004980	0.002009
+ 7 7 15/2	-0.652330	-0.761327	-0.806157	0.838064	0.858732	0.870727	0.875842
+ 9 1 1/2	0.010688	0.005761	0.002259	0.0	0.001260	0.001758	0.001692
+ 9 1 3/2	-0.019549	-0.010983	-0.004519	0.0	-0.002945	-0.004705	-0.005655
- 9 3 5/2	0.016108	0.008493	0.003230	0.0	0.001589	0.001900	0.001224
- 9 3 7/2	-0.034820	-0.020045	-0.008413	0.0	-0.005568	-0.008764	-0.010065
+ 9 5 9/2	0.017742	0.009274	0.003490	0.0	0.001661	0.001925	0.001152
+ 9 5 11/2	-0.056262	-0.033527	-0.014555	0.0	-0.010245	-0.016511	-0.019208
- 9 7 13/2	0.016796	0.008843	0.003397	0.0	0.001792	0.002387	0.002135
- 9 7 15/2	-0.087375	-0.055764	-0.026077	0.0	-0.021993	-0.039822	-0.053676
+ 9 9 17/2	0.012675	0.006897	0.002789	0.0	0.001742	0.002683	0.003018
+ 9 9 19/2	-0.113775	-0.078112	-0.039204	0.0	-0.038212	-0.074649	-0.108980
+ 5 1 1/2	0.031896	0.008429	0.003158	0.0	0.003627	0.008523	0.014701
+ 5 1 3/2	0.047930	0.049679	0.045245	0.0	0.000711	0.012545	0.025962
- 5 3 5/2	0.039560	0.019659	0.024727	0.0	-0.016478	-0.024470	-0.032159
- 5 3 7/2	0.216427	0.112837	0.038015	0.0	0.057659	0.102082	0.140205
+ 5 5 9/2	-0.069188	-0.030676	-0.022949	0.0	0.004155	0.003528	0.002954
+ 5 5 11/2	-0.012520	0.006546	0.009720	0.0	0.006487	0.017127	0.029612
- 3 1 1/2	0.010384	0.003230	0.000704	0.0	-0.000459	-0.001678	-0.003434
- 3 1 3/2	-0.000767	-0.000612	-0.000044	0.0	0.000404	0.001473	0.003179
+ 3 3 5/2	0.001606	0.000714	0.000262	0.0	-0.000056	-0.000326	-0.000832
+ 3 3 7/2	-0.001017	-0.000606	-0.000190	0.0	0.000133	0.000563	0.001290
+ 1 1 1/2	-0.000011	-0.000005	-0.000001	0.0	-0.000001	-0.000004	-0.000014
+ 1 1 3/2	0.000024	0.000008	0.000001	0.0	0.000000	0.000004	0.000015