

Christoffel - Bowman anharmonic oscillator (Chem. Phys. Lett. 85, 220, 1982)

$$\frac{\omega_x^2}{2} x^2 + \frac{\omega_y^2}{2} y^2 + \frac{\omega_z^2}{2} z^2 + \delta^{1/2} (\lambda \eta x^3 + \mu \zeta y^3 + \lambda x y^2 + \mu y z^2)$$

omx, omy, omz, lambda, mu, eta, ksi =
 0.70000 1.30000 1.00000 -0.10000 -0.10000 0.10000 0.10000

Complete separability approximation x-y-z

Oscillator quantum numbers nx ny nz = 0 0 0

k	coefficients	Quadratic (delta=1)	(delta=2^2)		(delta=3^2)		(delta=5^2)		
0	0.15000000E+01	0.0000000000	0.000000D+00	0.0000000000	0.000000D+00	0.0000000000	0.000000D+00	0.0000000000	0.000000D+00
1	-0.48933112E-02	0.0000000000	0.000000D+00	0.0000000000	0.000000D+00	0.0000000000	0.000000D+00	0.0000000000	0.000000D+00
2	-0.72024908E-04	1.4950326422	0.000000D+00	1.4791146780	0.000000D+00	1.4477473545	0.000000D+00	1.3337762931	0.114188D+00
3	-0.19518900E-05	1.4950326434	0.000000D+00	1.4791294718	0.000000D+00	1.4480340092	0.000000D+00	1.3139386164	-0.117174D+00
4	-0.68459280E-07	1.4950326407	0.000000D+00	1.4791285583	0.000000D+00	1.4479901819	0.000000D+00	1.3248686804	-0.108438D+00
5	-0.27797435E-08	1.4950326406	0.000000D+00	1.4791284443	0.000000D+00	1.4479756864	0.000000D+00	1.3319590358	-0.950604D-01
6	-0.12421336E-09	1.4950326406	0.000000D+00	1.4791284332	0.000000D+00	1.4479713430	0.000000D+00	1.2957913777	-0.103245D+00
7	-0.59434528E-11	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479704406	0.000000D+00	1.3115348608	0.947840D-01
8	-0.29958416E-12	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479703314	0.000000D+00	1.3118916054	0.934188D-01
9	-0.15743715E-13	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479703020	0.000000D+00	1.3114345939	-0.927972D-01
10	-0.85677449E-15	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479702918	0.000000D+00	1.3108628847	0.930651D-01
11	-0.48072201E-16	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479702197	0.000000D+00	1.3110907824	0.935096D-01
12	-0.27735761E-17	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479702417	0.000000D+00	1.3111975469	-0.935160D-01
13	-0.16434731E-18	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479702318	0.000000D+00	1.3110592154	-0.936561D-01
14	-0.10001431E-19	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479701899	0.000000D+00	1.3116498027	-0.926046D-01
15	-0.62584614E-21	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479703031	0.000000D+00	1.3112791450	-0.935206D-01
16	-0.40368924E-22	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479702679	0.000000D+00	1.3113289794	0.936298D-01
17	-0.26941134E-23	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479702577	0.000000D+00	1.3114241013	0.936333D-01
18	-0.18693859E-24	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479702991	0.000000D+00	1.3113984787	-0.935584D-01
19	-0.13564432E-25	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479703538	0.000000D+00	1.3113852074	0.935577D-01
20	-0.10354841E-26	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479702836	0.000000D+00	1.3114352349	-0.935092D-01
21	-0.83611454E-28	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479702520	0.000000D+00	1.3113377499	-0.936292D-01
22	-0.71680756E-29	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4480864392	0.000000D+00	1.3113673367	0.935415D-01
23	-0.65339445E-30	1.4950326406	0.000000D+00	1.4799507089	0.000000D+00	1.4479713245	0.000000D+00	1.3113479520	0.935100D-01
24	-0.63262677E-31	1.4950326406	0.000000D+00	1.4791737264	0.000000D+00	1.4479705686	0.000000D+00	1.3113227476	-0.935252D-01
25	-0.64870371E-32	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479768696	0.000000D+00	1.3113365258	0.935393D-01
26	-0.70166847E-33	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479723076	0.000000D+00	1.3113200083	-0.935414D-01
27	-0.79717091E-34	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479703274	0.000000D+00	1.3115303871	0.933960D-01
28	-0.94750196E-35	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479975574	0.000000D+00	1.3113398830	0.935422D-01
29	-0.11741774E-35	1.4950326406	0.000000D+00	1.4791304511	0.000000D+00	1.4479708172	0.000000D+00	1.3113372168	0.935628D-01
30	-0.15128185E-36	1.4950478052	0.000000D+00	1.4791286199	0.000000D+00	1.4479703758	0.000000D+00	1.3113544589	-0.935709D-01
31	-0.20218165E-37	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479703856	0.000000D+00	1.3113522517	0.935554D-01

Complete separability approximation x-y-z, 60 coefficients

32	-0.27975734E-38	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479703298	0.000000D+00	1.3113595766	-0.935590D-01
33	-0.40015173E-39	1.4950326406	0.000000D+00	1.4791284355	0.000000D+00	1.4479702664	0.000000D+00	1.3118321753	0.934876D-01
34	-0.59086652E-40	1.4950326406	0.000000D+00	1.4791284487	0.000000D+00	1.4479702656	0.000000D+00	1.3113500485	0.935541D-01
35	-0.89963527E-41	1.4950357812	0.000000D+00	1.4791284326	0.000000D+00	1.4479702577	0.241734D-07	1.3113586994	0.935427D-01
36	-0.14109169E-41	1.4950330360	0.000000D+00	1.4791284326	0.000000D+00	1.4479702529	-0.252230D-07	1.3113512730	-0.935312D-01
37	-0.22770982E-42	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479702526	0.266338D-07	1.3113471877	0.935422D-01
38	-0.37785793E-43	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479702524	-0.264117D-07	1.3113455453	-0.935404D-01
39	-0.64415539E-44	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479702519	0.263577D-07	1.3113333080	0.935415D-01
40	-0.11273025E-44	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479702509	-0.256198D-07	1.3113490964	0.935428D-01
41	-0.20238155E-45	1.4950326511	0.000000D+00	1.4791284326	0.000000D+00	1.4479702519	0.265806D-07	1.3113439407	0.935465D-01
42	-0.37247143E-46	1.4950326424	0.000000D+00	1.4791284326	0.000000D+00	1.4479702519	-0.265831D-07	1.3113444025	-0.935477D-01
43	-0.70231804E-47	1.4950326459	0.000000D+00	1.4791284326	0.000000D+00	1.4479702519	-0.265712D-07	1.3113429383	-0.935482D-01
44	-0.13559238E-47	1.4950326464	0.000000D+00	1.4791284326	0.000000D+00	1.4479702519	-0.265690D-07	1.3113424261	-0.935486D-01
45	-0.26788751E-48	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479702518	-0.265767D-07	1.3113444081	-0.935483D-01
46	-0.54131824E-49	1.4950326416	0.000000D+00	1.4791284326	0.000000D+00	1.4479702510	-0.268791D-07	1.3113460001	-0.935485D-01
47	-0.11181867E-49	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479702519	-0.265465D-07	1.3113521669	-0.935443D-01
48	-0.23600772E-50	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479702519	0.265271D-07	1.3113470605	0.935473D-01
49	-0.50872924E-51	1.4950326430	0.000000D+00	1.4791284326	0.000000D+00	1.4479702520	-0.265097D-07	1.3113463107	-0.935484D-01
50	-0.11194456E-51	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479702521	0.267181D-07	1.3113472431	0.935481D-01
51	-0.25135673E-52	1.4950326406	0.000000D+00	1.4791284326	0.485451D-16	1.4479702518	0.264929D-07	1.3113470456	0.935487D-01
52	-0.57566855E-53	1.4950326406	0.000000D+00	1.4791284326	-0.606656D-16	1.4479702519	-0.265158D-07	1.3113563382	-0.935944D-01
53	-0.13442478E-53	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479702519	-0.265418D-07	1.3113472855	-0.935479D-01
54	-0.31992494E-54	1.4950326406	0.000000D+00	1.4791284326	-0.683399D-16	1.4479702519	-0.265156D-07	1.3113432458	-0.935440D-01
55	-0.77575097E-55	1.4950326406	0.000000D+00	1.4791284326	0.650014D-16	1.4479702519	0.265162D-07	1.3113457280	0.935473D-01
56	-0.19158057E-55	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479702519	0.265131D-07	1.3113474233	0.935475D-01
57	-0.48171542E-56	1.4950326406	0.000000D+00	1.4791284326	0.000000D+00	1.4479702519	-0.265145D-07	1.3113500994	-0.935502D-01
58	-0.12328208E-56	1.4950326406	0.000000D+00	1.4791284326	0.734406D-16	1.4479702519	0.265121D-07	1.3113493207	0.935508D-01
59	-0.32102957E-57	1.4950326406	0.000000D+00	1.4791284326	-0.697633D-16	1.4479702519	-0.265174D-07	1.3113471575	-0.935474D-01

Oscillator quantum numbers $n_x n_y n_z = 1 0 0$

k	coefficients	Quadratic (delta=1)	(delta=2^2)	(delta=3^2)	(delta=5^2)
0	0.22000000E+01	0.0000000000	0.000000D+00	0.0000000000	0.000000D+00
1	-0.11380993E-01	0.0000000000	0.000000D+00	0.0000000000	0.000000D+00
2	-0.24326635E-03	2.1883647502	0.000000D+00	2.1497298775	0.000000D+00
3	-0.95018191E-05	2.1883657493	0.000000D+00	2.1498231796	0.000000D+00
4	-0.47985703E-06	2.1883657302	0.000000D+00	2.1498155164	0.000000D+00
5	-0.28049295E-07	2.1883657294	0.000000D+00	2.1498140567	0.000000D+00
6	-0.18035208E-08	2.1883657294	0.000000D+00	2.1498138390	0.000000D+00
7	-0.12405719E-09	2.1883657294	0.000000D+00	2.1498138200	0.000000D+00
8	-0.89762500E-11	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00
9	-0.67573518E-12	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00
10	-0.52531199E-13	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00
11	-0.41949419E-14	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00
12	-0.34281015E-15	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00
13	-0.28589487E-16	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00
14	-0.24284503E-17	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00
15	-0.20981440E-18	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00
16	-0.18423101E-19	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00
17	-0.16434302E-20	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00
18	-0.14894749E-21	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00
19	-0.13722544E-22	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00
20	-0.12864244E-23	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00
21	-0.12289248E-24	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00

Complete separability approximation x-y-z, 60 coefficients

22	-0.11987408E-25	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00	2.0641092504	0.000000D+00	1.8655170637	-0.303869D+00
23	-0.11969489E-26	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00	2.0632598781	0.000000D+00	1.8655504095	0.303886D+00
24	-0.12270709E-27	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00	2.0646337939	0.000000D+00	1.8655599396	-0.303882D+00
25	-0.12958301E-28	2.1883657294	0.000000D+00	2.1510535996	0.000000D+00	2.0637648338	0.000000D+00	1.8655573999	0.303874D+00
26	-0.14145012E-29	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00	2.0635129366	0.000000D+00	1.8655522915	0.303877D+00
27	-0.16011982E-30	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00	2.0635115980	0.000000D+00	1.8655521564	0.303877D+00
28	-0.18847191E-31	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00	2.0634117524	0.000000D+00	1.8655387428	-0.303870D+00
29	-0.23110328E-32	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00	2.0633219831	0.000000D+00	1.8655540684	-0.303878D+00
30	-0.29543619E-33	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00	2.0632976306	0.000000D+00	1.8655509312	-0.303879D+00
31	-0.39363980E-34	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00	2.0632515227	0.000000D+00	1.8655506198	0.303882D+00
32	-0.54601729E-35	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00	2.0632003313	0.252461D-04	1.8655525115	0.303881D+00
33	-0.78707941E-36	2.1883657294	0.000000D+00	2.1498149247	0.000000D+00	2.0632034102	-0.422914D-04	1.8655521148	-0.303880D+00
34	-0.11766281E-36	2.1883657294	0.000000D+00	2.1498141037	0.000000D+00	2.0631926533	-0.372346D-04	1.8655534147	-0.303880D+00
35	-0.18203447E-37	2.1883657294	0.000000D+00	2.1498138511	0.000000D+00	2.0631781789	-0.334458D-04	1.8655488141	-0.303882D+00
36	-0.29087222E-38	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00	2.0632259615	-0.564345D-04	1.8655519676	-0.303880D+00
37	-0.47920165E-39	2.1884749699	0.000000D+00	2.1498138328	0.000000D+00	2.0631778745	0.441999D-04	1.8655520592	0.303879D+00
38	-0.81271449E-40	2.1883727798	0.000000D+00	2.1498138213	0.000000D+00	2.0631724668	0.436143D-04	1.8655510698	0.303879D+00
39	-0.14170801E-40	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00	2.0631718718	-0.455493D-04	1.8655512728	-0.303879D+00
40	-0.25374849E-41	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00	2.0631712002	-0.448786D-04	1.8655510034	-0.303879D+00
41	-0.46617445E-42	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00	2.0631691218	-0.441446D-04	1.8655551668	-0.303876D+00
42	-0.87794132E-43	2.1883657294	0.000000D+00	2.1498138194	0.000000D+00	2.0631958696	-0.532842D-04	1.8655514044	0.303879D+00
43	-0.16936811E-43	2.1883680936	0.000000D+00	2.1498138191	0.000000D+00	2.0631692562	0.453475D-04	1.8655514233	0.303880D+00
44	-0.33446895E-44	2.1883659556	0.000000D+00	2.1498138191	0.000000D+00	2.0631683175	0.453006D-04	1.8655518804	0.303880D+00
45	-0.67572809E-45	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00	2.0631683043	-0.456299D-04	1.8655517281	-0.303880D+00
46	-0.13958352E-45	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00	2.0631681723	-0.455530D-04	1.8655518428	-0.303880D+00
47	-0.29465439E-46	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00	2.0631678724	-0.455317D-04	1.8655544021	-0.303877D+00
48	-0.63532027E-47	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00	2.0631666016	0.450955D-04	1.8655516537	0.303880D+00
49	-0.13985243E-47	2.1883657339	0.000000D+00	2.1498138191	0.000000D+00	2.0631678473	0.456203D-04	1.8655516611	0.303879D+00
50	-0.31416071E-48	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00	2.0631677633	0.456216D-04	1.8655500818	0.303878D+00
51	-0.71987105E-49	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00	2.0631677629	0.456187D-04	1.8655686622	0.303905D+00
52	-0.16819128E-49	2.1883657296	0.000000D+00	2.1498138191	0.000000D+00	2.0631676618	-0.455639D-04	1.8655516784	-0.303880D+00
53	-0.40052619E-50	2.1883657297	0.000000D+00	2.1498138191	0.000000D+00	2.0631674354	-0.454335D-04	1.8655515957	-0.303879D+00
54	-0.97179997E-51	2.1883657307	0.000000D+00	2.1498138191	0.000000D+00	2.0631676227	-0.455623D-04	1.8655517744	-0.303879D+00
55	-0.24015290E-51	2.1883657298	0.000000D+00	2.1498138191	0.000000D+00	2.0631671837	0.453060D-04	1.8655514637	0.303879D+00
56	-0.60424963E-52	2.1883657296	0.000000D+00	2.1498138191	0.000000D+00	2.0631676216	-0.455454D-04	1.8655516201	-0.303879D+00
57	-0.15474650E-52	2.1883657298	0.000000D+00	2.1498138191	0.000000D+00	2.0631677294	0.456235D-04	1.8655518406	0.303879D+00
58	-0.40324115E-53	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00	2.0631675034	0.455608D-04	1.8655515592	0.303880D+00
59	-0.10688508E-53	2.1883657294	0.000000D+00	2.1498138191	0.000000D+00	2.0631680564	0.455813D-04	1.8655516014	0.303880D+00

Oscillator quantum numbers nx ny nz = 0 0 1

k	coefficients	Quadratic (delta=1)	(delta=2^2)	(delta=3^2)	(delta=5^2)
0	0.25000000E+01	0.0000000000	0.000000D+00	0.0000000000	0.000000D+00
1	-0.11493220E-01	0.0000000000	0.000000D+00	0.0000000000	0.000000D+00
2	-0.24672251E-03	2.4882488596	0.000000D+00	2.4492087085	0.000000D+00
3	-0.98164863E-05	2.4882497244	0.000000D+00	2.4492898481	0.000000D+00
4	-0.50458605E-06	2.4882497050	0.000000D+00	2.4492820173	0.000000D+00
5	-0.29937364E-07	2.4882497042	0.000000D+00	2.4492805750	0.000000D+00
6	-0.19479381E-08	2.4882497042	0.000000D+00	2.4492803688	0.000000D+00
7	-0.13519620E-09	2.4882497042	0.000000D+00	2.4492803519	0.000000D+00
8	-0.98419784E-11	2.4882497042	0.000000D+00	2.4492803513	0.000000D+00
9	-0.74330230E-12	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00
10	-0.57800270E-13	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00
11	-0.46027199E-14	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00

Complete separability approximation x-y-z, 60 coefficients

12	-0.37382172E-15	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3611402472	0.000000D+00	2.1720213199	-0.303008D+00
13	-0.30870213E-16	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3611402274	0.000000D+00	2.1719937133	0.302991D+00
14	-0.25857901E-17	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3611403204	0.000000D+00	2.1719836474	0.303004D+00
15	-0.21927682E-18	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3611404314	0.000000D+00	2.1719872921	-0.303011D+00
16	-0.18795974E-19	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3611403830	0.000000D+00	2.1719796142	-0.303011D+00
17	-0.16265149E-20	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3611403019	0.000000D+00	2.1720129675	-0.302999D+00
18	-0.14194343E-21	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3611413791	0.000000D+00	2.1719895054	-0.303011D+00
19	-0.12481139E-22	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3611404831	0.000000D+00	2.1719910015	0.303015D+00
20	-0.11049752E-23	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3611404857	0.000000D+00	2.1719909551	-0.303015D+00
21	-0.98432231E-25	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3789770803	0.000000D+00	2.1719910051	-0.303012D+00
22	-0.88181393E-26	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3611406025	0.000000D+00	2.1719910048	0.303012D+00
23	-0.79410038E-27	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3611405778	0.000000D+00	2.1719911803	0.303012D+00
24	-0.71856910E-28	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3611405550	0.000000D+00	2.1719912046	-0.303012D+00
25	-0.65316416E-29	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3611482692	0.000000D+00	2.1719907104	0.303013D+00
26	-0.59625684E-30	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3611407512	0.000000D+00	2.1719905023	-0.303012D+00
27	-0.54655271E-31	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3716597049	0.000000D+00	2.1719897597	0.303012D+00
28	-0.50302580E-32	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3667688314	0.000000D+00	2.1719903941	0.303013D+00
29	-0.46487411E-33	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3668590667	0.000000D+00	2.1719903634	0.303013D+00
30	-0.43149413E-34	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3658724517	0.000000D+00	2.1719902706	-0.303013D+00
31	-0.40247500E-35	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3638370206	0.000000D+00	2.1719904203	0.303012D+00
32	-0.37761715E-36	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3641422778	0.000000D+00	2.1719904635	-0.303013D+00
33	-0.35698706E-37	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3635361424	0.000000D+00	2.1719905464	0.303013D+00
34	-0.34103080E-38	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3627084134	0.000000D+00	2.1719905081	0.303013D+00
35	-0.33079047E-39	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3617488917	0.000000D+00	2.1719904087	-0.303013D+00
36	-0.32830806E-40	2.4882497042	0.000000D+00	2.4492850058	0.000000D+00	2.3620104244	0.000000D+00	2.1719904687	-0.303012D+00
37	-0.33737994E-41	2.4882497042	0.000000D+00	2.4492815472	0.000000D+00	2.3618272968	0.000000D+00	2.1719906769	-0.303016D+00
38	-0.36498280E-42	2.4882497042	0.000000D+00	2.4492804454	0.000000D+00	2.3614934741	0.000000D+00	2.1719900488	-0.303012D+00
39	-0.42401046E-43	2.4882497042	0.000000D+00	2.4492808458	0.000000D+00	2.3616037915	0.000000D+00	2.1719904052	-0.303012D+00
40	-0.53861823E-44	2.4886667173	0.000000D+00	2.4492804409	0.000000D+00	2.3614266692	0.000000D+00	2.1719903292	0.303013D+00
41	-0.75484933E-45	2.4882581241	0.000000D+00	2.4492803626	0.000000D+00	2.3612958446	0.000000D+00	2.1719903914	0.303013D+00
42	-0.11621541E-45	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3612939376	0.000000D+00	2.1719904302	-0.303013D+00
43	-0.19377757E-46	2.4882497042	0.000000D+00	2.4492803518	0.000000D+00	2.3612589528	0.000000D+00	2.1719904895	-0.303013D+00
44	-0.34399904E-47	2.4882497042	0.000000D+00	2.4492803521	0.000000D+00	2.3612008930	0.000000D+00	2.1719902712	-0.303012D+00
45	-0.64075760E-48	2.4885207540	0.000000D+00	2.4492803512	0.000000D+00	2.3612479971	0.000000D+00	2.1719904455	-0.303013D+00
46	-0.12394302E-48	2.4882555751	0.000000D+00	2.4492803512	0.000000D+00	2.3611923488	0.000000D+00	2.1719904906	0.303012D+00
47	-0.24732461E-49	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3611703413	0.000000D+00	2.1719904434	0.303012D+00
48	-0.50707813E-50	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3611697024	0.000000D+00	2.1719904339	-0.303012D+00
49	-0.10655599E-50	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3611622011	0.000000D+00	2.1719903932	-0.303012D+00
50	-0.22914157E-51	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3611506830	0.000000D+00	2.1719905047	-0.303012D+00
51	-0.50373109E-52	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3611646365	0.000000D+00	2.1719904288	-0.303012D+00
52	-0.11311691E-52	2.4882497461	0.000000D+00	2.4492803512	0.000000D+00	2.3611497871	0.000000D+00	2.1719904080	0.303013D+00
53	-0.25931118E-53	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3611460402	0.000000D+00	2.1719904357	0.303013D+00
54	-0.60652570E-54	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3611462590	0.000000D+00	2.1719904385	-0.303012D+00
55	-0.14467867E-54	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3611441063	0.000000D+00	2.1719904848	-0.303013D+00
56	-0.35180057E-55	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3611421248	0.000000D+00	2.1719903842	-0.303012D+00
57	-0.87165967E-56	2.4882497100	0.000000D+00	2.4492803512	0.000000D+00	2.3611444408	0.000000D+00	2.1719904442	-0.303012D+00
58	-0.21998214E-56	2.4882497044	0.000000D+00	2.4492803512	0.000000D+00	2.3611420180	0.000000D+00	2.1719904448	0.303012D+00
59	-0.56527294E-57	2.4882497042	0.000000D+00	2.4492803512	0.000000D+00	2.3611402904	0.000000D+00	2.1719903879	-0.303012D+00

Oscillator quantum numbers nx ny nz = 0 1 0

k	coefficients	Quadratic (delta=1)	(delta=2^2)	(delta=3^2)	(delta=5^2)
0	0.28000000E+01	0.0000000000	0.000000D+00	0.0000000000	0.000000D+00
1	-0.21278475E-01	0.0000000000	0.000000D+00	0.0000000000	0.000000D+00

Complete separability approximation x-y-z, 60 coefficients

2	-0.64633909E-03	2.7780326591	0.000000D+00	2.7008536763	0.000000D+00	2.4497399524	0.107107D+00	2.4497399524	0.499968D+00
3	-0.35724129E-04	2.7780367906	0.000000D+00	2.7013334762	0.000000D+00	2.4308486037	0.000000D+00	2.4311923355	-0.564483D+00
4	-0.25431783E-05	2.7780366945	0.000000D+00	2.7012839142	0.000000D+00	2.4284629702	-0.701909D-01	2.3974735425	-0.521364D+00
5	-0.20883767E-06	2.7780366887	0.000000D+00	2.7012697587	0.000000D+00	2.4564272885	-0.856655D-01	2.2310128557	-0.401199D+00
6	-0.18806350E-07	2.7780366885	0.000000D+00	2.7012664969	0.000000D+00	2.4643866497	0.148251D+00	2.4127155065	-0.592692D+00
7	-0.18066868E-08	2.7780366885	0.000000D+00	2.7012660098	0.000000D+00	2.4772401833	0.566420D-01	2.3808593398	0.598890D+00
8	-0.18208143E-09	2.7780366885	0.000000D+00	2.7012659774	0.000000D+00	2.4783520664	0.600832D-01	2.3789825393	0.603545D+00
9	-0.19041160E-10	2.7780366885	0.000000D+00	2.7012659753	0.000000D+00	2.4787424568	-0.604644D-01	2.3799935582	-0.604668D+00
10	-0.20505993E-11	2.7780366885	0.000000D+00	2.7012659752	0.000000D+00	2.4788418576	0.604909D-01	2.3804270774	0.604519D+00
11	-0.22618508E-12	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788687817	0.604842D-01	2.3804462877	0.604339D+00
12	-0.25449830E-13	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788821092	-0.604692D-01	2.3803023896	-0.604286D+00
13	-0.29120631E-14	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788738587	0.604546D-01	2.3802921244	0.604412D+00
14	-0.33803603E-15	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788570433	0.604605D-01	2.3803539519	0.604426D+00
15	-0.39731704E-16	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788550449	-0.604637D-01	2.3803607718	-0.604416D+00
16	-0.47211639E-17	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788551554	-0.604601D-01	2.3803697287	-0.604435D+00
17	-0.56642999E-18	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788526885	-0.604489D-01	2.3803343906	-0.604398D+00
18	-0.68544243E-19	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788526617	-0.604674D-01	2.3803636292	-0.604412D+00
19	-0.83587314E-20	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788507883	0.604636D-01	2.3803677885	0.604409D+00
20	-0.10264349E-20	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788497479	0.604630D-01	2.3803671518	0.604407D+00
21	-0.12684398E-21	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788485796	-0.604633D-01	2.3803644915	-0.604407D+00
22	-0.15766013E-22	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788499523	0.604643D-01	2.3803663651	0.604409D+00
23	-0.19700962E-23	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788504634	0.604642D-01	2.3803668356	0.604409D+00
24	-0.24739751E-24	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788497408	0.604647D-01	2.3803665306	0.604411D+00
25	-0.31210422E-25	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788429812	-0.604711D-01	2.3803664914	-0.604408D+00
26	-0.39543662E-26	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788510460	0.604643D-01	2.3803671612	0.604409D+00
27	-0.50306523E-27	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788507816	-0.604650D-01	2.3803675712	-0.604409D+00
28	-0.64247891E-28	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788509573	0.604655D-01	2.3803675788	0.604408D+00
29	-0.82360185E-29	2.7780366885	0.000000D+00	2.7049963459	0.000000D+00	2.4788512730	0.604654D-01	2.3803673166	0.604409D+00
30	-0.10596367E-29	2.7780366885	0.000000D+00	2.7069082017	0.000000D+00	2.4788511894	-0.604651D-01	2.3803673591	-0.604409D+00
31	-0.13682266E-30	2.7780366885	0.000000D+00	2.7043599729	0.000000D+00	2.4788513403	-0.604652D-01	2.3803672316	-0.604409D+00
32	-0.17730753E-31	2.7780366885	0.000000D+00	2.7022677920	0.000000D+00	2.4788536023	-0.604660D-01	2.3803675605	-0.604409D+00
33	-0.23062344E-32	2.7780366885	0.000000D+00	2.7020305079	0.000000D+00	2.4788509055	-0.604649D-01	2.3803673935	-0.604409D+00
34	-0.30113889E-33	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788513045	0.604649D-01	2.3803674097	0.604409D+00
35	-0.39486725E-34	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788514685	0.604647D-01	2.3803674711	0.604409D+00
36	-0.52018998E-35	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788513103	-0.604646D-01	2.3803674499	-0.604409D+00
37	-0.68897470E-36	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788512719	0.604646D-01	2.3803674413	0.604409D+00
38	-0.91836161E-37	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788513389	-0.604644D-01	2.3803674981	-0.604408D+00
39	-0.12337224E-37	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788511805	0.604651D-01	2.3803674441	0.604409D+00
40	-0.16737524E-38	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788512019	0.604647D-01	2.3803674319	0.604409D+00
41	-0.22995769E-39	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788511199	0.604645D-01	2.3803674169	0.604409D+00
42	-0.32116621E-40	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788510298	-0.604646D-01	2.3803674251	-0.604409D+00
43	-0.45823502E-41	2.7780366885	0.000000D+00	2.7012660333	0.000000D+00	2.4788510670	0.604646D-01	2.3803674293	0.604409D+00
44	-0.67205352E-42	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788509963	-0.604646D-01	2.3803674323	-0.604409D+00
45	-0.10204125E-42	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788468246	0.604644D-01	2.3803674212	0.604409D+00
46	-0.16158794E-43	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788511016	0.604647D-01	2.3803674296	0.604409D+00
47	-0.26859299E-44	2.7787104571	0.000000D+00	2.7012659923	0.000000D+00	2.4788510066	0.604647D-01	2.3803674331	0.604409D+00
48	-0.47056668E-45	2.7780634068	0.000000D+00	2.7012659777	0.000000D+00	2.4788509980	-0.604648D-01	2.3803674299	-0.604409D+00
49	-0.86970778E-46	2.7780366885	0.000000D+00	2.7012659789	0.000000D+00	2.4788510596	0.604648D-01	2.3803674290	0.604409D+00
50	-0.16917599E-46	2.7780366885	0.000000D+00	2.7012659776	0.000000D+00	2.4788510497	-0.604648D-01	2.3803674280	-0.604409D+00
51	-0.34475360E-47	2.7780366885	0.000000D+00	2.7012659757	0.000000D+00	2.4788510816	0.604651D-01	2.3803674354	0.604409D+00
52	-0.73189573E-48	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788510626	0.604647D-01	2.3803674295	0.604409D+00
53	-0.16098519E-48	2.7780620833	0.000000D+00	2.7012659756	0.000000D+00	2.4788511027	0.604648D-01	2.3803674291	0.604409D+00
54	-0.36516290E-49	2.7780381389	0.000000D+00	2.7012659752	0.000000D+00	2.4788511775	-0.604648D-01	2.3803674306	-0.604409D+00
55	-0.85104133E-50	2.7780403744	0.000000D+00	2.7012659752	0.000000D+00	2.4788513118	-0.604650D-01	2.3803674282	-0.604409D+00

Complete separability approximation x-y-z, 60 coefficients

56	-0.20322647E-50	2.7780368905	0.000000D+00	2.7012659752	0.000000D+00	2.4788513984	-0.604648D-01	2.3803673535	-0.604409D+00
57	-0.49625249E-51	2.7780382135	0.000000D+00	2.7012659751	0.000000D+00	2.4788511423	-0.604648D-01	2.3803674303	-0.604409D+00
58	-0.12373287E-51	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788512287	0.604647D-01	2.3803674310	0.604409D+00
59	-0.31467510E-52	2.7780366885	0.000000D+00	2.7012659751	0.000000D+00	2.4788512743	0.604647D-01	2.3803674302	0.604409D+00

Oscillator quantum numbers $n_x n_y n_z = 2 0 0$

k	coefficients	Quadratic	(delta=1)	(delta=2^2)	(delta=3^2)	(delta=5^2)
0	0.29000000E+01	0.0000000000	0.000000D+00	0.0000000000	0.000000D+00	0.0000000000
1	-0.20992372E-01	0.0000000000	0.000000D+00	0.0000000000	0.000000D+00	0.0000000000
2	-0.59023560E-03	2.8783816673	0.000000D+00	2.8035780880	0.000000D+00	2.5266916956
3	-0.30047867E-04	2.8783852892	0.000000D+00	2.8039737647	0.000000D+00	2.5965551794
4	-0.19718673E-05	2.8783852134	0.000000D+00	2.8039373489	0.000000D+00	2.5846862928
5	-0.14960871E-06	2.8783852090	0.000000D+00	2.8039273966	0.000000D+00	2.5538757825
6	-0.12479566E-07	2.8783852089	0.000000D+00	2.8039252692	0.000000D+00	2.5113654902
7	-0.11132096E-08	2.8783852089	0.000000D+00	2.8039249858	0.000000D+00	2.5939828532
8	-0.10440843E-09	2.8783852089	0.000000D+00	2.8039249649	0.000000D+00	2.5915541443
9	-0.10182417E-10	2.8783852089	0.000000D+00	2.8039249628	0.000000D+00	2.5916566690
10	-0.10246920E-11	2.8783852089	0.000000D+00	2.8039249625	0.000000D+00	2.5919710231
11	-0.10582219E-12	2.8783852089	0.000000D+00	2.8039249625	0.000000D+00	2.5922459137
12	-0.11169704E-13	2.8783852089	0.000000D+00	2.8039249611	0.000000D+00	2.5923871377
13	-0.12013328E-14	2.8783852089	0.000000D+00	2.8039249624	0.000000D+00	2.5923040111
14	-0.13134995E-15	2.8783852089	0.000000D+00	2.8039249624	0.000000D+00	2.5921853050
15	-0.14573465E-16	2.8783852089	0.000000D+00	2.8039249624	0.000000D+00	2.5921986292
16	-0.16385643E-17	2.8783852089	0.000000D+00	2.8039249624	0.000000D+00	2.5924184968
17	-0.18649936E-18	2.8783852089	0.000000D+00	2.8039249624	0.000000D+00	2.5914359185
18	-0.21471855E-19	2.8783852089	0.000000D+00	2.8039249624	0.000000D+00	2.5920291392
19	-0.24992479E-20	2.8783852089	0.000000D+00	2.8113215163	0.000000D+00	2.5920362016
20	-0.29400880E-21	2.8783852089	0.000000D+00	2.8039249624	0.000000D+00	2.5920060992
21	-0.34952335E-22	2.8783852089	0.000000D+00	2.8039249624	0.000000D+00	2.5920170830
22	-0.41995254E-23	2.8783852089	0.000000D+00	2.8039249624	0.000000D+00	2.5920219736
23	-0.51011522E-24	2.8783852089	0.000000D+00	2.8039249624	0.000000D+00	2.5920131923
24	-0.62677948E-25	2.8783852089	0.000000D+00	2.8039249624	0.000000D+00	2.5920124212
25	-0.77961532E-26	2.8783852089	0.000000D+00	2.8039249624	0.000000D+00	2.5920174480
26	-0.98269958E-27	2.8783852089	0.000000D+00	2.8039249624	0.000000D+00	2.5920178050
27	-0.12569393E-27	2.8783852089	0.000000D+00	2.8039249624	0.000000D+00	2.5921453670
28	-0.16340512E-28	2.8783852089	0.000000D+00	2.8039249624	0.000000D+00	2.5921026330
29	-0.21632276E-29	2.8783852089	0.000000D+00	2.8039249624	0.000000D+00	2.5920361472
30	-0.29225229E-30	2.8783852089	0.000000D+00	2.8039249624	0.000000D+00	2.5919832188
31	-0.40386966E-31	2.8783852089	0.000000D+00	2.8039249624	0.000000D+00	2.5920524876
32	-0.57224739E-32	2.8783852089	0.000000D+00	2.8039249624	0.000000D+00	2.5920284590
33	-0.83324424E-33	2.8783852089	0.000000D+00	2.8039249624	0.000000D+00	2.5920257510
34	-0.12493104E-33	2.8783852089	0.000000D+00	2.8039249624	0.000000D+00	2.5920280090
35	-0.19317202E-34	2.8783852089	0.000000D+00	2.8039249624	0.000000D+00	2.5920300983
36	-0.30832469E-35	2.8783852089	0.000000D+00	2.8039249624	0.000000D+00	2.5920296827
37	-0.50816302E-36	2.8783852089	0.000000D+00	2.8039249624	0.000000D+00	2.5920177642
38	-0.86459036E-37	2.8783852089	0.000000D+00	2.8039250008	0.000000D+00	2.5920229049
39	-0.15174012E-37	2.8783852089	0.000000D+00	2.8039251108	0.000000D+00	2.5920274717
40	-0.27440764E-38	2.8783852089	0.000000D+00	2.8039251202	0.000000D+00	2.5920215352
41	-0.51067081E-39	2.8783852089	0.000000D+00	2.8039250091	0.000000D+00	2.5920254308
42	-0.97668833E-40	2.8783852089	0.000000D+00	2.8039249639	0.000000D+00	2.5920347106
43	-0.19172624E-40	2.8783852089	0.000000D+00	2.8039249624	0.000000D+00	2.5912816956
44	-0.38583577E-41	2.8784279853	0.000000D+00	2.8039249634	0.000000D+00	2.5920346860
45	-0.79516787E-42	2.8784001141	0.000000D+00	2.8039249628	0.000000D+00	2.5920378024

Complete separability approximation x-y-z, 60 coefficients

46	-0.16766681E-42	2.8783880453	0.000000D+00	2.8039249625	0.000000D+00	2.5920386244	0.336652D-01	2.4420884184	0.605154D+00
47	-0.36142301E-43	2.8783852089	0.000000D+00	2.8039249625	0.000000D+00	2.5920367372	0.336655D-01	2.4420884291	0.605154D+00
48	-0.79589942E-44	2.8783852089	0.000000D+00	2.8039249625	0.000000D+00	2.5920366668	-0.336657D-01	2.4420884260	-0.605154D+00
49	-0.17893883E-44	2.8783852089	0.000000D+00	2.8039249625	0.000000D+00	2.5920358947	-0.336587D-01	2.4420883001	-0.605154D+00
50	-0.41050193E-45	2.8783852089	0.000000D+00	2.8039249624	0.000000D+00	2.5920374944	-0.336716D-01	2.4420884036	-0.605154D+00
51	-0.96044845E-46	2.8783870140	0.000000D+00	2.8039249625	0.000000D+00	2.5920353874	-0.336660D-01	2.4420884098	-0.605154D+00
52	-0.22907842E-46	2.8783852332	0.000000D+00	2.8039249624	0.000000D+00	2.5920325603	0.336645D-01	2.4420883795	0.605154D+00
53	-0.55675452E-47	2.8783852089	0.000000D+00	2.8039249624	0.000000D+00	2.5920328772	0.336668D-01	2.4420883863	0.605154D+00
54	-0.13782988E-47	2.8783852089	0.000000D+00	2.8039249624	0.415510D-13	2.5920311465	0.336652D-01	2.4420883656	0.605154D+00
55	-0.34742728E-48	2.8783852089	0.000000D+00	2.8039249624	0.000000D+00	2.5920250039	-0.336626D-01	2.4420884301	-0.605154D+00
56	-0.89140461E-49	2.8783852438	0.000000D+00	2.8039249624	0.000000D+00	2.5920311576	0.336668D-01	2.4420883838	0.605154D+00
57	-0.23271976E-49	2.8783852291	0.000000D+00	2.8039249624	0.000000D+00	2.5920305787	-0.336669D-01	2.4420883855	-0.605154D+00
58	-0.61802021E-50	2.8783852136	0.000000D+00	2.8039249624	-0.154076D-13	2.5920249461	-0.336655D-01	2.4420883258	-0.605154D+00
59	-0.16689856E-50	2.8783852129	0.000000D+00	2.8039249624	-0.154929D-13	2.5919981809	-0.336600D-01	2.4420883893	-0.605154D+00

Oscillator quantum numbers nx ny nz = 1 0 1

k	coefficients	Quadratic	(delta=1)	(delta=2^2)	(delta=3^2)	(delta=5^2)
0	0.32000000E+01	0.0000000000	0.000000D+00	0.0000000000	0.000000D+00	0.0000000000
1	-0.17980902E-01	0.0000000000	0.000000D+00	0.0000000000	0.000000D+00	0.0000000000
2	-0.48981121E-03	3.1815006333	0.000000D+00	3.1178531842	0.000000D+00	2.9158561879
3	-0.24634163E-04	3.1815029889	0.000000D+00	3.1181062527	0.000000D+00	2.9456287399
4	-0.15999597E-05	3.1815029258	0.000000D+00	3.1180763138	0.000000D+00	2.9371756469
5	-0.11992594E-06	3.1815029225	0.000000D+00	3.1180690211	0.000000D+00	2.9247190196
6	-0.98577052E-08	3.1815029223	0.000000D+00	3.1180675640	0.000000D+00	2.9186191864
7	-0.86429137E-09	3.1815029223	0.000000D+00	3.1180673906	0.000000D+00	2.9405505212
8	-0.79483430E-10	3.1815029223	0.000000D+00	3.1180673813	0.000000D+00	2.9379625406
9	-0.75834549E-11	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9377519287
10	-0.74499110E-12	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9377556521
11	-0.74949644E-13	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9377696876
12	-0.76907551E-14	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9377853239
13	-0.80243552E-15	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9378006479
14	-0.84927292E-16	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9377984883
15	-0.91001449E-17	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9377909957
16	-0.98569065E-18	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9377925731
17	-0.10778868E-18	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9378037652
18	-0.11887462E-19	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9377673702
19	-0.13210105E-20	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9377864105
20	-0.14780943E-21	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9377896253
21	-0.16641903E-22	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9377902069
22	-0.18844101E-23	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9377874805
23	-0.21449652E-24	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9377868816
24	-0.24533954E-25	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9377871228
25	-0.28188601E-26	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9377786592
26	-0.32525074E-27	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9377861097
27	-0.37679483E-28	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9377850634
28	-0.43818733E-29	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9377836997
29	-0.51148692E-30	3.1815029223	0.000000D+00	3.1196385762	0.000000D+00	2.9377836257
30	-0.59925246E-31	3.1815029223	0.000000D+00	3.1195135638	0.000000D+00	2.9377839914
31	-0.70469699E-32	3.1815029223	0.000000D+00	3.1188149880	0.000000D+00	2.9377821340
32	-0.83190940E-33	3.1815029223	0.000000D+00	3.1185114003	0.000000D+00	2.9377925314
33	-0.98618527E-34	3.1815029223	0.000000D+00	3.1214376450	0.000000D+00	2.9377845541
34	-0.11745411E-34	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9377831829
35	-0.14065464E-35	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9377831742

Complete separability approximation x-y-z, 60 coefficients

36	-0.16957266E-36	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9377836762	-0.256758D-01	2.7991551616	-0.499171D+00
37	-0.20620186E-37	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9377833963	-0.256761D-01	2.7991551896	-0.499171D+00
38	-0.25362241E-38	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9377975631	-0.256469D-01	2.7991551175	-0.499171D+00
39	-0.31683465E-39	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9377841920	-0.256749D-01	2.7991551473	-0.499171D+00
40	-0.40436538E-40	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9377840985	0.256761D-01	2.7991551569	0.499171D+00
41	-0.53144465E-41	3.1815029223	0.000000D+00	3.1180674634	0.000000D+00	2.9377847118	0.256763D-01	2.7991551382	0.499171D+00
42	-0.72644048E-42	3.1815029223	0.000000D+00	3.1180675359	0.000000D+00	2.9377847831	-0.256761D-01	2.7991551380	-0.499171D+00
43	-0.10441869E-42	3.1815029223	0.000000D+00	3.1180674484	0.000000D+00	2.9377849367	-0.256765D-01	2.7991551291	-0.499171D+00
44	-0.15941759E-43	3.1815029223	0.000000D+00	3.1180673848	0.000000D+00	2.9377387334	-0.256082D-01	2.7991551453	-0.499171D+00
45	-0.26014028E-44	3.1815029223	0.000000D+00	3.1180674793	0.000000D+00	2.9377849312	-0.256760D-01	2.7991551372	-0.499171D+00
46	-0.45402553E-45	3.1820817123	0.000000D+00	3.1180673967	0.000000D+00	2.9377853149	0.256762D-01	2.7991551364	0.499171D+00
47	-0.84347446E-46	3.1815343612	0.000000D+00	3.1180673839	0.000000D+00	2.9377857412	0.256760D-01	2.7991551412	0.499171D+00
48	-0.16544260E-46	3.1815029223	0.000000D+00	3.1180673826	0.000000D+00	2.9377849395	-0.256758D-01	2.7991551383	-0.499171D+00
49	-0.33958436E-47	3.1815029223	0.000000D+00	3.1180673814	0.000000D+00	2.9377856213	-0.256757D-01	2.7991551427	-0.499171D+00
50	-0.72372793E-48	3.1815029223	0.000000D+00	3.1180673811	0.000000D+00	2.9377866838	-0.256751D-01	2.7991551203	-0.499171D+00
51	-0.15918453E-48	3.1815172386	0.000000D+00	3.1180673808	0.000000D+00	2.9377852974	-0.256754D-01	2.7991551387	-0.499171D+00
52	-0.35978520E-49	3.1815064902	0.000000D+00	3.1180673808	0.000000D+00	2.9377856605	0.256750D-01	2.7991551380	0.499171D+00
53	-0.83313141E-50	3.1815037417	0.000000D+00	3.1180673808	0.000000D+00	2.9377857626	0.256744D-01	2.7991551346	0.499171D+00
54	-0.19726047E-50	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9377853832	-0.256748D-01	2.7991551375	-0.499171D+00
55	-0.47689936E-51	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9377853827	0.256748D-01	2.7991551376	0.499171D+00
56	-0.11761189E-51	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9377848977	-0.256736D-01	2.7991551358	-0.499171D+00
57	-0.29566410E-52	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9377846908	0.256731D-01	2.7991551379	0.499171D+00
58	-0.75721583E-53	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9377817433	0.256720D-01	2.7991551760	0.499171D+00
59	-0.19747234E-53	3.1815029223	0.000000D+00	3.1180673808	0.000000D+00	2.9377646199	0.256630D-01	2.7991552018	0.499171D+00

Oscillator quantum numbers nx ny nz = 0 1 1

k	coefficients	Quadratic	(delta=1)	(delta=2^2)	(delta=3^2)	(delta=5^2)
0	0.38000000E+01	0.0000000000	0.000000D+00	0.0000000000	0.000000D+00	0.0000000000
1	-0.29243883E-01	0.0000000000	0.000000D+00	0.0000000000	0.000000D+00	0.0000000000
2	-0.10411034E-02	3.7696335514	0.000000D+00	3.6587286116	0.000000D+00	3.3892796634
3	-0.68071590E-04	3.7696408245	0.000000D+00	3.6597181649	0.000000D+00	3.3347606270
4	-0.57387685E-05	3.7696405951	0.000000D+00	3.6595757282	0.000000D+00	3.3671621811
5	-0.55796361E-06	3.7696405791	0.000000D+00	3.6595261668	0.000000D+00	3.3912282150
6	-0.59468103E-07	3.7696405783	0.000000D+00	3.6595114623	0.000000D+00	3.3334677949
7	-0.67588449E-08	3.7696405783	0.000000D+00	3.6595084400	0.000000D+00	3.3653149730
8	-0.80558155E-09	3.7696405783	0.000000D+00	3.6595081633	0.000000D+00	3.3681322354
9	-0.99598487E-10	3.7696405783	0.000000D+00	3.6595081402	0.000000D+00	3.3684988464
10	-0.12677418E-10	3.7696405783	0.000000D+00	3.6595081384	0.000000D+00	3.3685095994
11	-0.16523054E-11	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684964294
12	-0.21962468E-12	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684892160
13	-0.29680137E-13	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684864989
14	-0.40681737E-14	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684859001
15	-0.56448129E-15	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684865979
16	-0.79166667E-16	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684874143
17	-0.11207915E-16	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684875105
18	-0.16000639E-17	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684874525
19	-0.23014085E-18	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684875320
20	-0.33324720E-19	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684303682
21	-0.48548466E-20	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684873287
22	-0.71117936E-21	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684873983
23	-0.10470506E-21	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684874063
24	-0.15486664E-22	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684873833
25	-0.23003222E-23	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684873708

Complete separability approximation x-y-z, 60 coefficients

26	-0.34301872E-24	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684873738	0.154622D+00	3.3343752173	0.803240D+00
27	-0.51335645E-25	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684873649	0.154622D+00	3.3343750237	0.803240D+00
28	-0.77086737E-26	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684874376	-0.154622D+00	3.3343752868	-0.803240D+00
29	-0.11611783E-26	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684873806	0.154622D+00	3.3343752372	0.803240D+00
30	-0.17542283E-27	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684873741	-0.154622D+00	3.3343752558	-0.803240D+00
31	-0.26574164E-28	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684873733	0.154622D+00	3.3343752799	0.803240D+00
32	-0.40359471E-29	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684873769	0.154622D+00	3.3343752661	0.803240D+00
33	-0.61443598E-30	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684873776	-0.154622D+00	3.3343752595	-0.803240D+00
34	-0.93754510E-31	3.7696405783	0.000000D+00	3.6614232513	0.000000D+00	3.3684873783	-0.154622D+00	3.3343752551	-0.803240D+00
35	-0.14336282E-31	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684873659	-0.154622D+00	3.3343752692	-0.803240D+00
36	-0.21966407E-32	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684873768	-0.154622D+00	3.3343752606	-0.803240D+00
37	-0.33722005E-33	3.7696405783	0.000000D+00	3.6700519074	0.000000D+00	3.3684873786	0.154622D+00	3.3343752573	0.803240D+00
38	-0.51862967E-34	3.7696405783	0.000000D+00	3.6612293621	0.000000D+00	3.3684873794	0.154622D+00	3.3343752597	0.803240D+00
39	-0.79901029E-35	3.7696405783	0.000000D+00	3.6602770317	0.000000D+00	3.3684873786	-0.154622D+00	3.3343752609	-0.803240D+00
40	-0.12330008E-35	3.7696405783	0.000000D+00	3.6603592551	0.000000D+00	3.3684873784	0.154622D+00	3.3343752605	0.803240D+00
41	-0.19057177E-36	3.7696405783	0.000000D+00	3.6599220329	0.000000D+00	3.3684873788	-0.154622D+00	3.3343752403	-0.803240D+00
42	-0.29499160E-37	3.7696405783	0.000000D+00	3.6596455821	0.000000D+00	3.3684873783	-0.154622D+00	3.3343752598	-0.803240D+00
43	-0.45728985E-38	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684873781	0.154622D+00	3.3343752601	0.803240D+00
44	-0.70987692E-39	3.7696405783	0.000000D+00	3.6595528559	0.000000D+00	3.3684873777	0.154622D+00	3.3343752594	0.803240D+00
45	-0.11034866E-39	3.7696405783	0.000000D+00	3.6595140696	0.000000D+00	3.3684873775	-0.154622D+00	3.3343752594	-0.803240D+00
46	-0.17176378E-40	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684873777	0.154622D+00	3.3343752596	0.803240D+00
47	-0.26771410E-41	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684873774	-0.154622D+00	3.3343752593	-0.803240D+00
48	-0.41782023E-42	3.7696405783	0.000000D+00	3.6595102819	0.000000D+00	3.3684873714	0.154622D+00	3.3343752596	0.803240D+00
49	-0.65298341E-43	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684873776	0.154622D+00	3.3343752597	0.803240D+00
50	-0.10219822E-43	3.7696506253	0.000000D+00	3.6595082540	0.000000D+00	3.3684873776	0.154622D+00	3.3343752601	0.803240D+00
51	-0.16020437E-44	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684873777	-0.154622D+00	3.3343752598	-0.803240D+00
52	-0.25159287E-45	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684873779	-0.154622D+00	3.3343752586	-0.803240D+00
53	-0.39598941E-46	3.7696405783	0.000000D+00	3.6595082549	0.000000D+00	3.3684873772	-0.154622D+00	3.3343752597	-0.803240D+00
54	-0.62503064E-47	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684873781	-0.154622D+00	3.3343752597	-0.803240D+00
55	-0.99034495E-48	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684873783	0.154622D+00	3.3343752595	0.803240D+00
56	-0.15777379E-48	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684873783	-0.154622D+00	3.3343752595	-0.803240D+00
57	-0.25336960E-49	3.7696405783	0.000000D+00	3.6595081383	0.000000D+00	3.3684873808	0.154622D+00	3.3343752605	0.803240D+00
58	-0.41180481E-50	3.7696405783	0.000000D+00	3.6595081599	0.000000D+00	3.3684873779	0.154622D+00	3.3343752596	0.803240D+00
59	-0.68160691E-51	3.7697017889	0.000000D+00	3.6595081383	0.000000D+00	3.3684873782	0.154622D+00	3.3343752596	0.803240D+00

Oscillator quantum numbers $n_x n_y n_z = 0 2 0$

k	coefficients	Quadratic	(delta=1)	(delta=2^2)	(delta=3^2)	(delta=5^2)
0	0.41000000E+01	0.0000000000	0.000000D+00	0.0000000000	0.000000D+00	0.0000000000
1	-0.50002072E-01	0.0000000000	0.000000D+00	0.0000000000	0.000000D+00	0.0000000000
2	-0.23196614E-02	4.0474343100	0.000000D+00	3.8346807395	0.000000D+00	3.5610835934
3	-0.19519348E-03	4.0474598280	0.000000D+00	3.8399423286	0.000000D+00	3.4892897936
4	-0.21136722E-04	4.0474589617	0.000000D+00	3.8390993838	0.000000D+00	3.5123028858
5	-0.26390196E-05	4.0474588797	0.000000D+00	3.8386557493	0.000000D+00	3.5188412929
6	-0.36123463E-06	4.0474588742	0.000000D+00	3.8384514474	0.000000D+00	3.4110103965
7	-0.52737824E-07	4.0474588740	0.000000D+00	3.8383639013	0.000000D+00	3.4504045816
8	-0.80755984E-08	4.0474588740	0.000000D+00	3.8383441401	0.000000D+00	3.4496171001
9	-0.12829027E-08	4.0474588740	0.000000D+00	3.8383411283	0.000000D+00	3.4488496416
10	-0.20984437E-09	4.0474588740	0.000000D+00	3.8383408062	0.000000D+00	3.4486607552
11	-0.35149844E-10	4.0474588740	0.000000D+00	3.8383407804	0.000000D+00	3.4486450402
12	-0.60050232E-11	4.0474588740	0.000000D+00	3.8383407782	0.000000D+00	3.4486473107
13	-0.10431055E-11	4.0474588740	0.000000D+00	3.8383407778	0.000000D+00	3.4486495174
14	-0.18378687E-12	4.0474588740	0.000000D+00	3.8383407777	0.000000D+00	3.4486514302
15	-0.32782159E-13	4.0474588740	0.000000D+00	3.8383407770	0.000000D+00	3.4486483636

Complete separability approximation x-y-z, 60 coefficients

16	-0.59104540E-14	4.0474588740	0.000000D+00	3.8383407772	0.000000D+00	3.4486474138	-0.408038D+00	3.5728428731	-0.130874D+01
17	-0.10757441E-14	4.0474588740	0.000000D+00	3.8383407772	0.000000D+00	3.4486478517	-0.408037D+00	3.5728295299	-0.130872D+01
18	-0.19744240E-15	4.0474588740	0.000000D+00	3.8383407772	0.000000D+00	3.4486479639	0.408036D+00	3.5729463823	0.130879D+01
19	-0.36511317E-16	4.0474588740	0.000000D+00	3.8383407772	0.000000D+00	3.4486466860	0.408037D+00	3.5728340352	0.130874D+01
20	-0.67973772E-17	4.0474588740	0.000000D+00	3.8383407771	0.000000D+00	3.4486468375	0.408037D+00	3.5728294878	0.130875D+01
21	-0.12732121E-17	4.0474588740	0.000000D+00	3.8383407771	0.000000D+00	3.4486468525	0.408037D+00	3.5728291179	0.130875D+01
22	-0.23980770E-18	4.0474588740	0.000000D+00	3.8383407771	0.000000D+00	3.4486470019	-0.408037D+00	3.5727582491	-0.130874D+01
23	-0.45396037E-19	4.0474588740	0.000000D+00	3.8383407771	0.000000D+00	3.4486463454	-0.408037D+00	3.5728314177	-0.130875D+01
24	-0.86333878E-20	4.0474588740	0.000000D+00	3.8383407769	0.000000D+00	3.4486468172	-0.408037D+00	3.5728298112	-0.130875D+01
25	-0.16488888E-20	4.0474588740	0.000000D+00	3.8383407772	0.000000D+00	3.4486468721	0.408036D+00	3.5728304939	0.130875D+01
26	-0.31615896E-21	4.0474588740	0.000000D+00	3.8383407772	0.000000D+00	3.4486469310	0.408036D+00	3.5728326936	0.130875D+01
27	-0.60841063E-22	4.0474588740	0.000000D+00	3.8383407771	0.000000D+00	3.4486467719	-0.408036D+00	3.5728306667	-0.130875D+01
28	-0.11747682E-22	4.0474588740	0.000000D+00	3.8383407772	0.000000D+00	3.4486468094	0.408036D+00	3.5728303737	0.130875D+01
29	-0.22754660E-23	4.0474588740	0.000000D+00	3.8383407770	0.000000D+00	3.4486468168	0.408036D+00	3.5728304505	0.130875D+01
30	-0.44203869E-24	4.0474588740	0.000000D+00	3.8383407770	0.000000D+00	3.4486468154	0.408036D+00	3.5728303906	0.130875D+01
31	-0.86107267E-25	4.0474588740	0.000000D+00	3.8383407770	0.000000D+00	3.4486468147	-0.408037D+00	3.5728305455	-0.130875D+01
32	-0.16816459E-25	4.0474588740	0.000000D+00	3.8469980842	0.000000D+00	3.4486468195	-0.408036D+00	3.5728304687	-0.130875D+01
33	-0.32921301E-26	4.0474588740	0.000000D+00	3.8383407771	0.000000D+00	3.4486468204	-0.408036D+00	3.5728305167	-0.130875D+01
34	-0.64595999E-27	4.0474588740	0.000000D+00	3.8383407770	0.000000D+00	3.4486468145	0.408036D+00	3.5728303505	0.130875D+01
35	-0.12701772E-27	4.0474588740	0.000000D+00	3.8383407773	0.000000D+00	3.4486468174	0.408036D+00	3.5728304961	-0.130875D+01
36	-0.25026588E-28	4.0474588740	0.000000D+00	3.8383407771	0.000000D+00	3.4486468229	0.408036D+00	3.5728304987	0.130875D+01
37	-0.49404954E-29	4.0474588740	0.000000D+00	3.8411988575	0.000000D+00	3.4486468217	0.408036D+00	3.5728305119	0.130875D+01
38	-0.97707416E-30	4.0474588740	0.000000D+00	3.8485202521	0.000000D+00	3.4486468218	0.408036D+00	3.5728305132	0.130875D+01
39	-0.19356767E-30	4.0474588740	0.000000D+00	3.8478244503	0.000000D+00	3.4486468217	0.408036D+00	3.5728305141	0.130875D+01
40	-0.38410464E-31	4.0474588740	0.000000D+00	3.8478746802	0.000000D+00	3.4486468217	0.408036D+00	3.5728305129	0.130875D+01
41	-0.76338516E-32	4.0474588740	0.000000D+00	3.8511234647	0.000000D+00	3.4486468217	0.408036D+00	3.5728305140	0.130875D+01
42	-0.15194411E-32	4.0474588740	0.000000D+00	3.8383407778	0.000000D+00	3.4486468218	-0.408036D+00	3.5728305138	-0.130875D+01
43	-0.30285928E-33	4.0474588740	0.000000D+00	3.9006453903	0.000000D+00	3.4486468217	-0.408036D+00	3.5728305154	-0.130875D+01
44	-0.60448825E-34	4.0474588740	0.000000D+00	3.8422340299	0.000000D+00	3.4486468223	-0.408036D+00	3.5728305125	-0.130875D+01
45	-0.12080915E-34	4.0474588740	0.000000D+00	3.8423163709	0.000000D+00	3.4486468218	-0.408036D+00	3.5728305137	-0.130875D+01
46	-0.24174291E-35	4.0474588740	0.000000D+00	3.8383407770	0.000000D+00	3.4486468218	0.408036D+00	3.5728305136	0.130875D+01
47	-0.48431548E-36	4.0474588740	0.000000D+00	3.8420204954	0.000000D+00	3.4486468217	-0.408036D+00	3.5728289983	-0.130875D+01
48	-0.97141334E-37	4.0474588740	0.000000D+00	3.8394021443	0.000000D+00	3.4486468226	0.408036D+00	3.5728305136	0.130875D+01
49	-0.19505766E-37	4.0474588740	0.000000D+00	3.8383407767	0.000000D+00	3.4486468218	0.408036D+00	3.5728305134	0.130875D+01
50	-0.39209287E-38	4.0474588740	0.000000D+00	3.8403350123	0.000000D+00	3.4486468218	-0.408036D+00	3.5728305144	-0.130875D+01
51	-0.78898255E-39	4.0474588740	0.000000D+00	3.8384158461	0.000000D+00	3.4486468218	-0.408036D+00	3.5728305133	-0.130875D+01
52	-0.15892260E-39	4.0474588740	0.000000D+00	3.8383785210	0.000000D+00	3.4486468218	0.408036D+00	3.5728305134	0.130875D+01
53	-0.32042992E-40	4.0474588740	0.000000D+00	3.8384171758	0.000000D+00	3.4486468218	-0.408036D+00	3.5728305158	-0.130875D+01
54	-0.64669747E-41	4.0474588740	0.000000D+00	3.8385664598	0.000000D+00	3.4486468218	-0.408036D+00	3.5728305132	-0.130875D+01
55	-0.13064243E-41	4.0474588740	0.000000D+00	3.8384044704	0.000000D+00	3.4486468219	0.408036D+00	3.5728305145	0.130875D+01
56	-0.26416780E-42	4.0474588740	0.000000D+00	3.8383407770	0.000000D+00	3.4486468218	0.408036D+00	3.5728305133	0.130875D+01
57	-0.53467499E-43	4.0492296233	0.000000D+00	3.8383617742	0.000000D+00	3.4486468218	0.408036D+00	3.5728305137	0.130875D+01
58	-0.10832321E-43	4.0474588740	0.000000D+00	3.8383446080	0.000000D+00	3.4486468218	0.408036D+00	3.5728305137	0.130875D+01
59	-0.21967955E-44	4.0486182229	0.000000D+00	3.8383532277	0.000000D+00	3.4486468218	0.408036D+00	3.5728305133	0.130875D+01

Oscillator quantum numbers nx ny nz = 0 0 2

k	coefficients	Quadratic (delta=1)	(delta=2^2)	(delta=3^2)	(delta=5^2)
0	0.35000000E+01	0.0000000000	0.000000D+00	0.0000000000	0.000000D+00
1	-0.24010289E-01	0.0000000000	0.000000D+00	0.0000000000	0.000000D+00
2	-0.69344333E-03	3.4752530647	0.000000D+00	3.3891887203	0.000000D+00
3	-0.38345885E-04	3.4752550487	0.000000D+00	3.3894137387	0.000000D+00
4	-0.27356007E-05	3.4752549455	0.000000D+00	3.3893610596	0.000000D+00
5	-0.22551253E-06	3.4752549384	0.000000D+00	3.3893431355	0.000000D+00
					3.1246290807 -0.955131D-01
					3.0843250998 0.828427D-01
					3.0881817969 0.000000D+00
					3.0843250998 0.571173D+00
					3.0735458922 -0.603087D+00
					3.0427598919 -0.557492D+00
					3.4078617161 0.000000D+00

Complete separability approximation x-y-z, 60 coefficients

6	-0.20393709E-07	3.4752549382	0.000000D+00	3.3893405912	0.000000D+00	3.1343575471	0.115351D+00	3.0746187989	-0.642017D+00
7	-0.19675450E-08	3.4752549382	0.000000D+00	3.3893397037	0.000000D+00	3.1456520692	0.681600D-01	3.0076467854	0.645827D+00
8	-0.19912145E-09	3.4752549382	0.000000D+00	3.3893398002	0.000000D+00	3.1324484852	-0.450376D-01	3.0045269410	-0.612243D+00
9	-0.20907081E-10	3.4752549382	0.000000D+00	3.3893397719	0.000000D+00	3.1458491685	-0.659340D-01	3.0138705311	-0.645132D+00
10	-0.22602422E-11	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1457632671	0.658820D-01	3.0134740000	0.644847D+00
11	-0.25022689E-12	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458174328	-0.658818D-01	3.0138001890	-0.644601D+00
12	-0.28253355E-13	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458159860	-0.658823D-01	3.0137913530	-0.644620D+00
13	-0.32435364E-14	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458201762	0.658768D-01	3.0136926747	0.644565D+00
14	-0.37768536E-15	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458208629	0.658757D-01	3.0136468237	0.644548D+00
15	-0.44521339E-16	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458205207	-0.658747D-01	3.0136500128	-0.644591D+00
16	-0.53046478E-17	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458202993	0.658745D-01	3.0136603088	0.644596D+00
17	-0.63802845E-18	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458202888	0.658745D-01	3.0136624578	0.644595D+00
18	-0.77385125E-19	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458202195	-0.658745D-01	3.0136610796	-0.644591D+00
19	-0.94563061E-20	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458201436	-0.658746D-01	3.0136364756	-0.644456D+00
20	-0.11633319E-20	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458202344	-0.658746D-01	3.0136573249	-0.644594D+00
21	-0.14398685E-21	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458202970	-0.658746D-01	3.0136603089	-0.644593D+00
22	-0.17919953E-22	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458202732	0.658746D-01	3.0136591880	0.644594D+00
23	-0.22414829E-23	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458202674	0.658746D-01	3.0136634939	0.644635D+00
24	-0.28166623E-24	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458202820	-0.658747D-01	3.0136702642	-0.644604D+00
25	-0.35544581E-25	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458202854	0.658746D-01	3.0136595027	0.644594D+00
26	-0.45030693E-26	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458203073	-0.658746D-01	3.0136599478	-0.644594D+00
27	-0.57255048E-27	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458202979	-0.658746D-01	3.0136599062	-0.644594D+00
28	-0.73042538E-28	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458203035	0.658746D-01	3.0136596713	0.644594D+00
29	-0.93474603E-29	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458203045	0.658746D-01	3.0136594617	0.644594D+00
30	-0.11997095E-29	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458203001	-0.658746D-01	3.0136596014	-0.644594D+00
31	-0.15439780E-30	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458203174	-0.658746D-01	3.0136599919	-0.644594D+00
32	-0.19921145E-31	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458202756	-0.658746D-01	3.0136597226	0.644594D+00
33	-0.25764877E-32	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458202941	-0.658746D-01	3.0136596614	-0.644594D+00
34	-0.33398035E-33	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458202949	0.658746D-01	3.0136597735	0.644594D+00
35	-0.43384695E-34	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458202972	-0.658746D-01	3.0136597509	-0.644594D+00
36	-0.56470738E-35	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458202938	-0.658746D-01	3.0136597149	-0.644594D+00
37	-0.73643491E-36	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458202941	0.658746D-01	3.0136597225	0.644594D+00
38	-0.96211224E-37	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458202930	0.658746D-01	3.0136597647	0.644594D+00
39	-0.12590920E-37	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458202935	-0.658746D-01	3.0136597135	-0.644594D+00
40	-0.16504123E-38	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458202941	0.658746D-01	3.0136597152	0.644594D+00
41	-0.21666884E-39	3.4752549382	0.000000D+00	3.3925256695	0.000000D+00	3.1458202910	-0.658746D-01	3.0136596878	-0.644594D+00
42	-0.28486415E-40	3.4752549382	0.000000D+00	3.3905528736	0.000000D+00	3.1458202791	0.658746D-01	3.0136597522	0.644594D+00
43	-0.37504822E-41	3.4752549382	0.000000D+00	3.3893913687	0.000000D+00	3.1458202905	0.658746D-01	3.0136597062	0.644594D+00
44	-0.49444422E-42	3.4752549382	0.000000D+00	3.3893804374	0.000000D+00	3.1458202907	-0.658746D-01	3.0136597061	-0.644594D+00
45	-0.65268474E-43	3.4752549382	0.000000D+00	3.3893807276	0.000000D+00	3.1458202882	-0.658746D-01	3.0136597217	-0.644594D+00
46	-0.86262668E-44	3.4752549382	0.000000D+00	3.3893779178	0.000000D+00	3.1458203011	-0.658746D-01	3.0136596957	-0.644594D+00
47	-0.11414458E-44	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458202907	-0.658746D-01	3.0136597165	-0.644594D+00
48	-0.15121096E-45	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458202906	0.658746D-01	3.0136597175	0.644594D+00
49	-0.20053363E-46	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458202921	0.658746D-01	3.0136597049	0.644594D+00
50	-0.26624218E-47	3.4752549382	0.000000D+00	3.3893405617	0.000000D+00	3.1458202827	0.658746D-01	3.0136597337	0.644594D+00
51	-0.35386271E-48	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458202940	-0.658746D-01	3.0136597015	-0.644594D+00
52	-0.47084939E-49	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458202978	-0.658746D-01	3.0136596722	-0.644594D+00
53	-0.62727642E-50	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458203070	-0.658746D-01	3.0136597135	-0.644594D+00
54	-0.83685881E-51	3.4752549382	0.000000D+00	3.3893417921	0.000000D+00	3.1458202932	-0.658746D-01	3.0136597048	-0.644594D+00
55	-0.11184937E-51	3.4753874678	0.000000D+00	3.3893397721	0.000000D+00	3.1458202996	0.658746D-01	3.0136597179	0.644594D+00
56	-0.14987707E-52	3.4752802536	0.000000D+00	3.3893397721	0.000000D+00	3.1458203043	0.658746D-01	3.0136597357	0.644594D+00
57	-0.20164797E-53	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458203005	-0.658746D-01	3.0136597174	-0.644594D+00
58	-0.27316507E-54	3.4752621014	0.000000D+00	3.3893397721	0.000000D+00	3.1458202818	-0.658746D-01	3.0136597098	0.644594D+00
59	-0.37456753E-55	3.4752549382	0.000000D+00	3.3893397721	0.000000D+00	3.1458202988	-0.658745D-01	3.0136597477	-0.644594D+00

Complete separability approximation x-y-z, 60 coefficients

Oscillator quantum numbers $n_x n_y n_z = 1 1 0$

k	coefficients	Quadratic (delta=1)	(delta=2^2)		(delta=3^2)		(delta=5^2)		
0	0.35000000E+01	0.0000000000	0.000000D+00	0.0000000000	0.000000D+00	0.0000000000	0.000000D+00	0.0000000000	0.000000D+00
1	-0.34494123E-01	0.0000000000	0.000000D+00	0.0000000000	0.000000D+00	0.0000000000	0.000000D+00	0.0000000000	0.000000D+00
2	-0.13075176E-02	3.4640887162	0.000000D+00	3.3304233314	0.000000D+00	3.0449986543	0.274739D+00	3.0449986543	0.760077D+00
3	-0.89821955E-04	3.4641000177	0.000000D+00	3.3320722669	0.000000D+00	2.9757329704	-0.270050D+00	3.0394937708	-0.868331D+00
4	-0.79401167E-05	3.4640997102	0.000000D+00	3.3318674752	0.000000D+00	3.0088213438	-0.258191D+00	2.9603208918	-0.815458D+00
5	-0.80948726E-06	3.4640996865	0.000000D+00	3.3317877405	0.000000D+00	3.0330972934	-0.234537D+00	2.5585876363	0.000000D+00
6	-0.90504815E-07	3.4640996853	0.000000D+00	3.3317619001	0.000000D+00	2.8616863934	0.000000D+00	3.0286784296	-0.912455D+00
7	-0.10795793E-07	3.4640996852	0.000000D+00	3.3317557044	0.000000D+00	2.9922160448	0.209032D+00	2.9935270290	0.948792D+00
8	-0.13510811E-08	3.4640996852	0.000000D+00	3.3317550097	0.000000D+00	2.9955086844	0.207166D+00	2.9965011668	0.957929D+00
9	-0.17546368E-09	3.4640996852	0.000000D+00	3.3317549401	0.000000D+00	2.9957841579	-0.206458D+00	2.9999342960	-0.958086D+00
10	-0.23468177E-10	3.4640996852	0.000000D+00	3.3317549339	0.000000D+00	2.9957221589	0.206289D+00	3.0003434222	0.956925D+00
11	-0.32150430E-11	3.4640996852	0.000000D+00	3.3317549333	0.000000D+00	2.9956834948	0.206268D+00	3.0000115630	0.956652D+00
12	-0.44930909E-12	3.4640996852	0.000000D+00	3.3317549332	0.000000D+00	2.9956647977	-0.206272D+00	2.9998083774	-0.956791D+00
13	-0.63856656E-13	3.4640996852	0.000000D+00	3.3317549332	0.000000D+00	2.9956591302	0.206286D+00	2.9999132273	0.956957D+00
14	-0.92069547E-14	3.4640996852	0.000000D+00	3.3317549328	0.000000D+00	2.9956715869	0.206291D+00	3.0000218596	0.956849D+00
15	-0.13441131E-14	3.4640996852	0.000000D+00	3.3317549331	0.000000D+00	2.9956793451	-0.206282D+00	2.9999677430	-0.956782D+00
16	-0.19837497E-15	3.4640996852	0.000000D+00	3.3317549331	0.000000D+00	2.9956793135	0.206281D+00	2.9999560603	0.956786D+00
17	-0.29560558E-16	3.4640996852	0.000000D+00	3.3317549331	0.000000D+00	2.9956814463	-0.206284D+00	2.9999763258	-0.956699D+00
18	-0.44427410E-17	3.4640996852	0.000000D+00	3.3317549331	0.000000D+00	2.9957008876	0.206304D+00	2.9999602885	0.956820D+00
19	-0.67284415E-18	3.4640996852	0.000000D+00	3.3317549331	0.000000D+00	2.9956807701	0.206278D+00	2.9999398972	0.956787D+00
20	-0.10260655E-18	3.4640996852	0.000000D+00	3.3317549331	0.000000D+00	2.9956829811	0.206279D+00	2.9999297744	0.956789D+00
21	-0.15745372E-19	3.4640996852	0.000000D+00	3.3317549331	0.000000D+00	2.9956833065	-0.206279D+00	2.9999297195	-0.956793D+00
22	-0.24300076E-20	3.4640996852	0.000000D+00	3.3317549331	0.000000D+00	2.9956833224	0.206278D+00	2.9999316654	0.956793D+00
23	-0.37699143E-21	3.4640996852	0.000000D+00	3.3317549331	0.000000D+00	2.9956831159	0.206278D+00	2.9999317080	0.956791D+00
24	-0.58768425E-22	3.4640996852	0.000000D+00	3.3317549331	0.000000D+00	2.9956832733	-0.206279D+00	2.9999291889	-0.956792D+00
25	-0.92021245E-23	3.4640996852	0.000000D+00	3.3317549331	0.000000D+00	2.9956833815	0.206279D+00	2.9999292531	0.956793D+00
26	-0.14468589E-23	3.4640996852	0.000000D+00	3.3317549331	0.000000D+00	2.9956829578	-0.206279D+00	2.9999160212	-0.956785D+00
27	-0.22836943E-24	3.4640996852	0.000000D+00	3.3317549331	0.000000D+00	2.9956846999	0.206279D+00	2.9999302506	0.956793D+00
28	-0.36175803E-25	3.4640996852	0.000000D+00	3.3317549331	0.000000D+00	2.9956834629	0.206279D+00	2.9999291323	0.956793D+00
29	-0.57500943E-26	3.4640996852	0.000000D+00	3.3317549331	0.000000D+00	2.9956833872	0.206279D+00	2.9999292180	0.956794D+00
30	-0.91691396E-27	3.4640996852	0.000000D+00	3.3317549331	0.000000D+00	2.9956834063	-0.206279D+00	2.9999293325	-0.956794D+00
31	-0.14665962E-27	3.4640996852	0.000000D+00	3.3317549331	0.000000D+00	2.9956834250	0.206279D+00	2.9999293516	0.956794D+00
32	-0.23526815E-28	3.4640996852	0.000000D+00	3.3317549331	0.000000D+00	2.9956834240	0.206279D+00	2.9999292717	0.956794D+00
33	-0.37847655E-29	3.4640996852	0.000000D+00	3.3317549331	0.000000D+00	2.9956899032	0.206279D+00	2.9999293243	0.956794D+00
34	-0.61052211E-30	3.4640996852	0.000000D+00	3.3321074695	0.000000D+00	2.9956833909	-0.206279D+00	2.9999292723	-0.956794D+00
35	-0.98747218E-31	3.4640996852	0.000000D+00	3.3317549331	0.000000D+00	2.9956833784	-0.206279D+00	2.9999292768	-0.956794D+00
36	-0.16013862E-31	3.4640996852	0.000000D+00	3.3317549331	0.000000D+00	2.9956833737	-0.206279D+00	2.9999293036	-0.956794D+00
37	-0.26038479E-32	3.4640996852	0.000000D+00	3.3317549331	0.000000D+00	2.9956833229	-0.206279D+00	2.9999293316	-0.956794D+00
38	-0.42452223E-33	3.4640996852	0.000000D+00	3.3317549331	0.000000D+00	2.9956833638	-0.206279D+00	2.9999292991	-0.956794D+00
39	-0.69404474E-34	3.4640996852	0.000000D+00	3.3317549331	0.000000D+00	2.9956833822	0.206279D+00	2.9999294232	0.956794D+00
40	-0.11379902E-34	3.4640996852	0.000000D+00	3.3317549331	0.000000D+00	2.9956833436	0.206279D+00	2.9999293335	0.956794D+00
41	-0.18717481E-35	3.4640996852	0.000000D+00	3.3317630369	0.000000D+00	2.9956833520	0.206279D+00	2.9999293400	0.956794D+00
42	-0.30892233E-36	3.4640996852	0.000000D+00	3.3317629840	0.000000D+00	2.9956833519	-0.206279D+00	2.9999293403	-0.956794D+00
43	-0.51183985E-37	3.4640996852	0.000000D+00	3.3317620005	0.000000D+00	2.9956833507	0.206279D+00	2.9999293402	0.956794D+00
44	-0.85185200E-38	3.4640996852	0.000000D+00	3.3317633831	0.000000D+00	2.9956833521	0.206279D+00	2.9999293400	0.956794D+00
45	-0.14252739E-38	3.4640996852	0.000000D+00	3.3317549331	0.000000D+00	2.9956833552	-0.206279D+00	2.9999293431	-0.956794D+00
46	-0.24000683E-39	3.4640996852	0.000000D+00	3.3317659198	0.000000D+00	2.9956833538	-0.206279D+00	2.9999293387	-0.956794D+00
47	-0.40737575E-40	3.4640996852	0.000000D+00	3.3317560094	0.000000D+00	2.9956833599	-0.206279D+00	2.9999293437	-0.956794D+00
48	-0.69836908E-41	3.4640996852	0.000000D+00	3.3317553927	0.000000D+00	2.9956833560	-0.206279D+00	2.9999293435	-0.956794D+00
49	-0.12123692E-41	3.4640996852	0.000000D+00	3.3317550696	0.000000D+00	2.9956833581	0.206279D+00	2.9999293455	0.956794D+00

Complete separability approximation x-y-z, 60 coefficients

50	-0.21384763E-42	3.4642968517	0.000000D+00	3.3317550055	0.000000D+00	2.9956833593	0.206279D+00	2.9999293457	0.956794D+00
51	-0.38485245E-43	3.4640996852	0.000000D+00	3.3317554684	0.000000D+00	2.9956833554	0.206279D+00	2.9999293433	0.956794D+00
52	-0.71009143E-44	3.4645247573	0.000000D+00	3.3317550212	0.000000D+00	2.9956833560	-0.206279D+00	2.9999293450	-0.956794D+00
53	-0.13503960E-44	3.4640996852	0.000000D+00	3.3317549456	0.000000D+00	2.9956833600	0.206279D+00	2.9999293455	0.956794D+00
54	-0.26606223E-45	3.4640996852	0.000000D+00	3.3317549457	0.000000D+00	2.9956833607	-0.206279D+00	2.9999293446	-0.956794D+00
55	-0.54545053E-46	3.4640996852	0.000000D+00	3.3317549401	0.000000D+00	2.9956833603	0.206279D+00	2.9999293443	0.956794D+00
56	-0.11666778E-46	3.4640996852	0.000000D+00	3.3317549406	0.000000D+00	2.9956833580	-0.206279D+00	2.9999293470	-0.956794D+00
57	-0.26051746E-47	3.4640996852	0.000000D+00	3.3317549359	0.000000D+00	2.9956833623	0.206279D+00	2.9999293452	0.956794D+00
58	-0.60643495E-48	3.4641017540	0.000000D+00	3.3317549348	0.000000D+00	2.9956833482	0.206279D+00	2.9999293460	0.956794D+00
59	-0.14671887E-48	3.4640996852	0.000000D+00	3.3317549336	0.000000D+00	2.9956833485	0.206279D+00	2.9999293487	0.956794D+00