

Program PWSCF v.5.1 starts

This program is part of the open-source Quantum ESPRESSO suite
for quantum simulation of materials; please cite

"P. Giannozzi et al., J. Phys.:Condens. Matter 21 395502 (2009);
URL <http://www.quantum-espresso.org>",
in publications or presentations arising from this work. More details at
<http://www.quantum-espresso.org/quote>

Parallel version (MPI), running on 8 processors
R & G space division: proc/nbgrp/npool/nimage = 8
Waiting for input...

Reading input from standard input

Warning: card &IONS ignored

Warning: card ION_DYNAMICS = 'BFGS' ignored

Warning: card / ignored

Current dimensions of program PWSCF are:

Max number of different atomic species (ntypx) = 10

Max number of k-points (npk) = 40000

Max angular momentum in pseudopotentials (lmaxx) = 3

Atomic positions and unit cell read from directory:

./tmp-hetero/A.save/

file C.pbe-rrkjus.UPF: wavefunction(s) 2S 2P renormalized

Subspace diagonalization in iterative solution of the eigenvalue problem:
scalapack distributed-memory algorithm (size of sub-group: 2* 2 procs)

Parallelization info

sticks:	dense	smooth	PW	G-vecs:	dense	smooth	PW
Min	1118	446	119		256124	64802	9013
Max	1119	447	120		256141	64831	9030
Sum	8947	3571	955		2049049	518527	72155

Generating pointlists ...

new r_m :	0.0595 (alat units)	1.0721 (a.u.)	for type	1
new r_m :	0.0595 (alat units)	1.0713 (a.u.)	for type	2
new r_m :	0.0595 (alat units)	1.0713 (a.u.)	for type	3

bravais-lattice index	=	4
lattice parameter (alat)	=	18.0060 a.u.
unit-cell volume	=	15167.1375 (a.u.)^3
number of atoms/cell	=	63
number of atomic types	=	3
number of electrons	=	251.00
number of Kohn-Sham states	=	151
kinetic-energy cutoff	=	40.0000 Ry
charge density cutoff	=	400.0000 Ry
Exchange-correlation	=	PBE (1 4 3 4 0)

celldm(1)=	18.006000	celldm(2)=	0.000000	celldm(3)=	3.000000
celldm(4)=	0.000000	celldm(5)=	0.000000	celldm(6)=	0.000000

crystal axes: (cart. coord. in units of alat)

a(1) = (	1.000000	0.000000	0.000000)
a(2) = (	-0.500000	0.866025	0.000000)

a(3) = (0.000000 0.000000 3.000000)

reciprocal axes: (cart. coord. in units 2 pi/alat)

b(1) = (1.000000 0.577350 -0.000000)

b(2) = (0.000000 1.154701 0.000000)

b(3) = (0.000000 -0.000000 0.333333)

PseudoPot. # 1 for C read from file:

./pseudo/C.pbe-rrkjus.UPF

MD5 check sum: 00fb224312de0c5b6853bd333518df6f

Pseudo is Ultrasoft, Zval = 4.0

Generated by new atomic code, or converted to UPF format

Using radial grid of 627 points, 4 beta functions with:

l(1) = 0

l(2) = 0

l(3) = 1

l(4) = 1

Q(r) pseudized with 0 coefficients

PseudoPot. # 2 for B read from file:

./pseudo/B.pbe-n-rrkjus_psl.0.1.UPF

MD5 check sum: 82e190d381d3269bb317afd43cf1db29

Pseudo is Ultrasoft + core correction, Zval = 3.0

Generated using "atomic" code by A. Dal Corso (Quantum ESPRESSO distribution)

Using radial grid of 1059 points, 4 beta functions with:

l(1) = 0

l(2) = 0

l(3) = 1

l(4) = 1

Q(r) pseudized with 0 coefficients

PseudoPot. # 3 for N read from file:

./pseudo/N.pbe-n-rrkjus_psl.0.1.UPF

MD5 check sum: c8986a496cba5b831c7822586319e126

Pseudo is Ultrasoft + core correction, Zval = 5.0

Generated using "atomic" code by A. Dal Corso (Quantum ESPRESSO distribution)

Using radial grid of 1085 points, 4 beta functions with:

l(1) = 0

l(2) = 0

l(3) = 1

l(4) = 1

Q(r) pseudized with 0 coefficients

atomic species	valence	mass	pseudopotential
C	4.00	12.01000	C (1.00)
B	3.00	10.81000	B(1.00)
N	5.00	14.01000	N(1.00)

Starting magnetic structure

atomic species magnetization

C 0.500

B 1.000

N 0.000

No symmetry found

s

frac. trans.

```

    isym = 1      identity

cryst.   s( 1) = (      1      0      0      )
              (      0      1      0      )
              (      0      0      1      )

cart.    s( 1) = ( 1.0000000  0.0000000  0.0000000 )
              ( 0.0000000  1.0000000  0.0000000 )
              ( 0.0000000  0.0000000  1.0000000 )

point group C_1 (1)
there are 1 classes
the character table:

      E
A      1.00

the symmetry operations in each class:
E      1

Cartesian axes

site n.   atom      positions (alat units)
  1       C   tau( 1) = ( -0.3722366  0.7921448  1.5717944 )
  2       C   tau( 2) = ( -0.2473910  0.7200609  1.5623360 )
  3       C   tau( 3) = ( -0.2474691  0.5756022  1.5610312 )
  4       C   tau( 4) = ( -0.1224131  0.5034014  1.5544232 )
  5       C   tau( 5) = ( -0.1223507  0.3591490  1.5624812 )
  6       C   tau( 6) = (  0.0027140  0.2869869  1.5670464 )
  7       C   tau( 7) = (  0.1277598  0.3591986  1.5678954 )
  8       C   tau( 8) = (  0.2525712  0.2870861  1.5787682 )
  9       C   tau( 9) = (  0.1278261  0.5033923  1.5585775 )
 10       C   tau(10) = (  0.0027784  0.5755650  1.5496533 )
 11       C   tau(11) = (  0.0026970  0.7201590  1.5516657 )
 12       C   tau(12) = ( -0.1223559  0.7923673  1.5590329 )
 13       C   tau(13) = (  0.1277243  0.7922839  1.5584105 )
 14       C   tau(14) = (  0.2527637  0.7200073  1.5635029 )
 15       C   tau(15) = (  0.2527600  0.5755851  1.5658214 )
 16       C   tau(16) = (  0.3775331  0.5035898  1.5780416 )
 17       C   tau(17) = (  0.3776073  0.3592204  1.5826716 )
 18       C   tau(18) = (  0.5027720  0.2869211  1.5823397 )
 19       C   tau(19) = (  0.3776161  0.7921545  1.5714407 )
 20       C   tau(20) = (  0.5026977  0.7200094  1.5742757 )
 21       C   tau(21) = (  0.5027163  0.5757032  1.5773054 )
 22       C   tau(22) = (  0.6278477  0.5035633  1.5734387 )
 23       C   tau(23) = (  0.6277604  0.3591888  1.5767155 )
 24       C   tau(24) = (  0.7527168  0.2870625  1.5705363 )
 25       C   tau(25) = (  0.7526731  0.1426533  1.5707759 )
 26       C   tau(26) = (  0.8776915  0.0704882  1.5715804 )
 27       C   tau(27) = (  0.6276478  0.0704597  1.5677269 )
 28       C   tau(28) = (  0.5027069  0.1426034  1.5746730 )
 29       C   tau(29) = (  0.3777180  0.0703653  1.5713549 )
 30       C   tau(30) = (  0.2527097  0.1426003  1.5773581 )
 31       C   tau(31) = (  0.1277070  0.0704739  1.5750269 )
 32       C   tau(32) = (  0.0026672  0.1427206  1.5735489 )
 33       B   tau(33) = ( -0.3723011  0.7921796  0.7500309 )
 34       N   tau(34) = ( -0.2461847  0.7193662  0.7499639 )
 35       B   tau(35) = ( -0.2428711  0.5746819  0.7500392 )
 36       N   tau(36) = ( -0.1133046  0.5034055  0.7499748 )
 37       B   tau(37) = ( -0.1218726  0.3594202  0.7500545 )

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38      N   tau( 38) = (  0.0071152  0.2948555  0.7499757 )
39      B   tau( 39) = (  0.1276926  0.3823671  0.7499907 )
40      N   tau( 40) = (  0.2482812  0.2948563  0.7499761 )
41      B   tau( 41) = (  0.0227395  0.5641029  0.7499910 )
42      N   tau( 42) = (  0.0072803  0.7122660  0.7499745 )
43      B   tau( 43) = ( -0.1192267  0.7888341  0.7500393 )
44      B   tau( 44) = (  0.1276920  0.7916782  0.7500547 )
45      N   tau( 45) = (  0.2481032  0.7122564  0.7499754 )
46      B   tau( 46) = (  0.2326013  0.5640775  0.7499908 )
47      N   tau( 47) = (  0.3686860  0.5033988  0.7499761 )
48      B   tau( 48) = (  0.3772666  0.3594145  0.7500536 )
49      N   tau( 49) = (  0.5022326  0.2872664  0.7499647 )
50      B   tau( 50) = (  0.3746145  0.7888222  0.7500385 )
51      N   tau( 51) = (  0.5015730  0.7193626  0.7499646 )
52      B   tau( 52) = (  0.4982326  0.5746846  0.7500385 )
53      N   tau( 53) = (  0.6276871  0.5042160  0.7499734 )
54      B   tau( 54) = (  0.6276989  0.3595746  0.7500331 )
55      N   tau( 55) = (  0.7531637  0.2872632  0.7499646 )
56      B   tau( 56) = (  0.7530631  0.1424499  0.7500344 )
57      N   tau( 57) = (  0.8783197  0.0701337  0.7499731 )
58      N   tau( 58) = (  0.6277023  0.0699528  0.7499645 )
59      B   tau( 59) = (  0.5023447  0.1424555  0.7500334 )
60      N   tau( 60) = (  0.3770736  0.0701437  0.7499734 )
61      B   tau( 61) = (  0.2513216  0.1470238  0.7500386 )
62      N   tau( 62) = (  0.1276966  0.0717912  0.7499647 )
63      B   tau( 63) = (  0.0040635  0.1470100  0.7500383 )

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Crystallographic axes

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site n.   atom      positions (cryst. coord.)
  1       C   tau(  1) = (  0.0851085  0.9146901  0.5239315 )
  2       C   tau(  2) = (  0.1683364  0.8314548  0.5207787 )
  3       C   tau(  3) = (  0.0848550  0.6646481  0.5203437 )
  4       C   tau(  4) = (  0.1682258  0.5812779  0.5181411 )
  5       C   tau(  5) = (  0.0850041  0.4147095  0.5208271 )
  6       C   tau(  6) = (  0.1684059  0.3313840  0.5223488 )
  7       C   tau(  7) = (  0.3351432  0.4147669  0.5226318 )
  8       C   tau(  8) = (  0.4183205  0.3314984  0.5262561 )
  9       C   tau(  9) = (  0.4184598  0.5812674  0.5195258 )
 10      C   tau( 10) = (  0.3350811  0.6646053  0.5165511 )
 11      C   tau( 11) = (  0.4184810  0.8315680  0.5172219 )
 12      C   tau( 12) = (  0.3351176  0.9149469  0.5196776 )
 13      C   tau( 13) = (  0.5851496  0.9148507  0.5194702 )
 14      C   tau( 14) = (  0.6684601  0.8313928  0.5211676 )
 15      C   tau( 15) = (  0.5850742  0.6646284  0.5219405 )
 16      C   tau( 16) = (  0.6682808  0.5814954  0.5260139 )
 17      C   tau( 17) = (  0.5850033  0.4147920  0.5275572 )
 18      C   tau( 18) = (  0.6684259  0.3313080  0.5274466 )
 19      C   tau( 19) = (  0.8349667  0.9147012  0.5238136 )
 20      C   tau( 20) = (  0.9183954  0.8313952  0.5247586 )
 21      C   tau( 21) = (  0.8350987  0.6647648  0.5257685 )
 22      C   tau( 22) = (  0.9185801  0.5814648  0.5244796 )
 23      C   tau( 23) = (  0.8351382  0.4147555  0.5255718 )
 24      C   tau( 24) = (  0.9184524  0.3314712  0.5235121 )
 25      C   tau( 25) = (  0.8350340  0.1647218  0.5235920 )
 26      C   tau( 26) = (  0.9183879  0.0813927  0.5238601 )
 27      C   tau( 27) = (  0.6683277  0.0813598  0.5225756 )
 28      C   tau( 28) = (  0.5850391  0.1646643  0.5248910 )
 29      C   tau( 29) = (  0.4183435  0.0812509  0.5237850 )
 30      C   tau( 30) = (  0.3350401  0.1646607  0.5257860 )
 31      C   tau( 31) = (  0.1683951  0.0813763  0.5250090 )
 32      C   tau( 32) = (  0.0850669  0.1647995  0.5245163 )

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33      B   tau( 33) = (  0.0850640  0.9147302  0.2500103 )
34      N   tau( 34) = (  0.1691416  0.8306526  0.2499880 )
35      B   tau( 35) = (  0.0889216  0.6635855  0.2500131 )
36      N   tau( 36) = (  0.1773367  0.5812827  0.2499916 )
37      B   tau( 37) = (  0.0856388  0.4150228  0.2500182 )
38      N   tau( 38) = (  0.1773501  0.3404698  0.2499919 )
39      B   tau( 39) = (  0.3484523  0.4415195  0.2499969 )
40      N   tau( 40) = (  0.4185166  0.3404708  0.2499920 )
41      B   tau( 41) = (  0.3484244  0.6513699  0.2499970 )
42      N   tau( 42) = (  0.4185072  0.8224539  0.2499915 )
43      B   tau( 43) = (  0.3362069  0.9108671  0.2500131 )
44      B   tau( 44) = (  0.5847677  0.9141513  0.2500182 )
45      N   tau( 45) = (  0.6593247  0.8224429  0.2499918 )
46      B   tau( 46) = (  0.5582716  0.6513406  0.2499969 )
47      N   tau( 47) = (  0.6593235  0.5812749  0.2499920 )
48      B   tau( 48) = (  0.5847747  0.4150161  0.2500179 )
49      N   tau( 49) = (  0.6680860  0.3317067  0.2499882 )
50      B   tau( 50) = (  0.8300412  0.9108534  0.2500128 )
51      N   tau( 51) = (  0.9168972  0.8306483  0.2499882 )
52      B   tau( 52) = (  0.8300269  0.6635886  0.2500128 )
53      N   tau( 53) = (  0.9187963  0.5822185  0.2499911 )
54      B   tau( 54) = (  0.8352994  0.4152010  0.2500110 )
55      N   tau( 55) = (  0.9190152  0.3317030  0.2499882 )
56      B   tau( 56) = (  0.8353066  0.1644870  0.2500115 )
57      N   tau( 57) = (  0.9188114  0.0809834  0.2499910 )
58      N   tau( 58) = (  0.6680895  0.0807745  0.2499882 )
59      B   tau( 59) = (  0.5845914  0.1644935  0.2500111 )
60      N   tau( 60) = (  0.4175711  0.0809950  0.2499911 )
61      B   tau( 61) = (  0.3362059  0.1697685  0.2500129 )
62      N   tau( 62) = (  0.1691453  0.0828974  0.2499882 )
63      B   tau( 63) = (  0.0889398  0.1697525  0.2500128 )

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number of k points= 200 Marzari-Vanderbilt smearing, width (Ry)= 0.0010
cart. coord. in units 2pi/alat

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k(  1) = (  0.0000000  0.0000000  0.0000000), wk =  0.0100000
k(  2) = (  0.0000000 -0.0160375  0.0000000), wk =  0.0100000
k(  3) = (  0.0000000 -0.0320750  0.0000000), wk =  0.0100000
k(  4) = (  0.0000000 -0.0481125  0.0000000), wk =  0.0100000
k(  5) = (  0.0000000 -0.0641500  0.0000000), wk =  0.0100000
k(  6) = (  0.0000000 -0.0801875  0.0000000), wk =  0.0100000
k(  7) = (  0.0000000 -0.0962250  0.0000000), wk =  0.0100000
k(  8) = (  0.0000000 -0.1122626  0.0000000), wk =  0.0100000
k(  9) = (  0.0000000 -0.1283001  0.0000000), wk =  0.0100000
k( 10) = (  0.0000000 -0.1443376  0.0000000), wk =  0.0100000
k( 11) = (  0.0000000 -0.1603751  0.0000000), wk =  0.0100000
k( 12) = (  0.0000000 -0.1764126  0.0000000), wk =  0.0100000
k( 13) = (  0.0000000 -0.1924501  0.0000000), wk =  0.0100000
k( 14) = (  0.0000000 -0.2084876  0.0000000), wk =  0.0100000
k( 15) = (  0.0000000 -0.2245251  0.0000000), wk =  0.0100000
k( 16) = (  0.0000000 -0.2405626  0.0000000), wk =  0.0100000
k( 17) = (  0.0000000 -0.2566001  0.0000000), wk =  0.0100000
k( 18) = (  0.0000000 -0.2726376  0.0000000), wk =  0.0100000
k( 19) = (  0.0000000 -0.2886751  0.0000000), wk =  0.0100000
k( 20) = (  0.0000000 -0.3047126  0.0000000), wk =  0.0100000
k( 21) = (  0.0000000 -0.3207501  0.0000000), wk =  0.0100000
k( 22) = (  0.0000000 -0.3367877  0.0000000), wk =  0.0100000
k( 23) = (  0.0000000 -0.3528252  0.0000000), wk =  0.0100000
k( 24) = (  0.0000000 -0.3688627  0.0000000), wk =  0.0100000
k( 25) = (  0.0000000 -0.3849002  0.0000000), wk =  0.0100000
k( 26) = (  0.0000000 -0.4009377  0.0000000), wk =  0.0100000
k( 27) = (  0.0000000 -0.4169752  0.0000000), wk =  0.0100000
k( 28) = (  0.0000000 -0.4330127  0.0000000), wk =  0.0100000

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k( 29) = ( 0.0000000 -0.4490502 0.0000000), wk = 0.0100000
k( 30) = ( 0.0000000 -0.4650877 0.0000000), wk = 0.0100000
k( 31) = ( 0.0000000 -0.4811252 0.0000000), wk = 0.0100000
k( 32) = ( 0.0000000 -0.4971627 0.0000000), wk = 0.0100000
k( 33) = ( 0.0000000 -0.5132002 0.0000000), wk = 0.0100000
k( 34) = ( 0.0000000 -0.5292377 0.0000000), wk = 0.0100000
k( 35) = ( 0.0000000 -0.5452753 0.0000000), wk = 0.0100000
k( 36) = ( 0.0000000 -0.5613128 0.0000000), wk = 0.0100000
k( 37) = ( 0.0000000 -0.5773503 0.0000000), wk = 0.0100000
k( 38) = ( 0.0158729 -0.5773505 0.0000000), wk = 0.0100000
k( 39) = ( 0.0317457 -0.5773508 0.0000000), wk = 0.0100000
k( 40) = ( 0.0476186 -0.5773511 0.0000000), wk = 0.0100000
k( 41) = ( 0.0634914 -0.5773514 0.0000000), wk = 0.0100000
k( 42) = ( 0.0793643 -0.5773516 0.0000000), wk = 0.0100000
k( 43) = ( 0.0952371 -0.5773519 0.0000000), wk = 0.0100000
k( 44) = ( 0.1111100 -0.5773522 0.0000000), wk = 0.0100000
k( 45) = ( 0.1269829 -0.5773525 0.0000000), wk = 0.0100000
k( 46) = ( 0.1428557 -0.5773527 0.0000000), wk = 0.0100000
k( 47) = ( 0.1587286 -0.5773530 0.0000000), wk = 0.0100000
k( 48) = ( 0.1746014 -0.5773533 0.0000000), wk = 0.0100000
k( 49) = ( 0.1904743 -0.5773536 0.0000000), wk = 0.0100000
k( 50) = ( 0.2063471 -0.5773538 0.0000000), wk = 0.0100000
k( 51) = ( 0.2222200 -0.5773541 0.0000000), wk = 0.0100000
k( 52) = ( 0.2380929 -0.5773544 0.0000000), wk = 0.0100000
k( 53) = ( 0.2539657 -0.5773547 0.0000000), wk = 0.0100000
k( 54) = ( 0.2698386 -0.5773549 0.0000000), wk = 0.0100000
k( 55) = ( 0.2857114 -0.5773552 0.0000000), wk = 0.0100000
k( 56) = ( 0.3015843 -0.5773555 0.0000000), wk = 0.0100000
k( 57) = ( 0.3174571 -0.5773558 0.0000000), wk = 0.0100000
k( 58) = ( 0.3333300 -0.5773560 0.0000000), wk = 0.0100000
k( 59) = ( 0.3253936 -0.5636095 0.0000000), wk = 0.0100000
k( 60) = ( 0.3174571 -0.5498629 0.0000000), wk = 0.0100000
k( 61) = ( 0.3095207 -0.5361163 0.0000000), wk = 0.0100000
k( 62) = ( 0.3015843 -0.5223698 0.0000000), wk = 0.0100000
k( 63) = ( 0.2936479 -0.5086232 0.0000000), wk = 0.0100000
k( 64) = ( 0.2857114 -0.4948766 0.0000000), wk = 0.0100000
k( 65) = ( 0.2777750 -0.4811300 0.0000000), wk = 0.0100000
k( 66) = ( 0.2698386 -0.4673835 0.0000000), wk = 0.0100000
k( 67) = ( 0.2619021 -0.4536369 0.0000000), wk = 0.0100000
k( 68) = ( 0.2539657 -0.4398903 0.0000000), wk = 0.0100000
k( 69) = ( 0.2460293 -0.4261437 0.0000000), wk = 0.0100000
k( 70) = ( 0.2380929 -0.4123972 0.0000000), wk = 0.0100000
k( 71) = ( 0.2301564 -0.3986506 0.0000000), wk = 0.0100000
k( 72) = ( 0.2222200 -0.3849040 0.0000000), wk = 0.0100000
k( 73) = ( 0.2142836 -0.3711575 0.0000000), wk = 0.0100000
k( 74) = ( 0.2063471 -0.3574109 0.0000000), wk = 0.0100000
k( 75) = ( 0.1984107 -0.3436643 0.0000000), wk = 0.0100000
k( 76) = ( 0.1904743 -0.3299177 0.0000000), wk = 0.0100000
k( 77) = ( 0.1825379 -0.3161712 0.0000000), wk = 0.0100000
k( 78) = ( 0.1746014 -0.3024246 0.0000000), wk = 0.0100000
k( 79) = ( 0.1666650 -0.2886780 0.0000000), wk = 0.0100000
k( 80) = ( 0.1587286 -0.2749314 0.0000000), wk = 0.0100000
k( 81) = ( 0.1507921 -0.2611849 0.0000000), wk = 0.0100000
k( 82) = ( 0.1428557 -0.2474383 0.0000000), wk = 0.0100000
k( 83) = ( 0.1349193 -0.2336917 0.0000000), wk = 0.0100000
k( 84) = ( 0.1269829 -0.2199452 0.0000000), wk = 0.0100000
k( 85) = ( 0.1190464 -0.2061986 0.0000000), wk = 0.0100000
k( 86) = ( 0.1111100 -0.1924520 0.0000000), wk = 0.0100000
k( 87) = ( 0.1031736 -0.1787054 0.0000000), wk = 0.0100000
k( 88) = ( 0.0952371 -0.1649589 0.0000000), wk = 0.0100000
k( 89) = ( 0.0873007 -0.1512123 0.0000000), wk = 0.0100000
k( 90) = ( 0.0793643 -0.1374657 0.0000000), wk = 0.0100000
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k( 91) = ( 0.0714279 -0.1237192 0.0000000), wk = 0.0100000
k( 92) = ( 0.0634914 -0.1099726 0.0000000), wk = 0.0100000
k( 93) = ( 0.0555550 -0.0962260 0.0000000), wk = 0.0100000
k( 94) = ( 0.0476186 -0.0824794 0.0000000), wk = 0.0100000
k( 95) = ( 0.0396821 -0.0687329 0.0000000), wk = 0.0100000
k( 96) = ( 0.0317457 -0.0549863 0.0000000), wk = 0.0100000
k( 97) = ( 0.0238093 -0.0412397 0.0000000), wk = 0.0100000
k( 98) = ( 0.0158729 -0.0274931 0.0000000), wk = 0.0100000
k( 99) = ( 0.0079364 -0.0137466 0.0000000), wk = 0.0100000
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k(101) = ( 0.0000000 0.0000000 0.0000000), wk = 0.0100000
k(102) = ( 0.0000000 -0.0160375 0.0000000), wk = 0.0100000
k(103) = ( 0.0000000 -0.0320750 0.0000000), wk = 0.0100000
k(104) = ( 0.0000000 -0.0481125 0.0000000), wk = 0.0100000
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k(106) = ( 0.0000000 -0.0801875 0.0000000), wk = 0.0100000
k(107) = ( 0.0000000 -0.0962250 0.0000000), wk = 0.0100000
k(108) = ( 0.0000000 -0.1122626 0.0000000), wk = 0.0100000
k(109) = ( 0.0000000 -0.1283001 0.0000000), wk = 0.0100000
k(110) = ( 0.0000000 -0.1443376 0.0000000), wk = 0.0100000
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k(112) = ( 0.0000000 -0.1764126 0.0000000), wk = 0.0100000
k(113) = ( 0.0000000 -0.1924501 0.0000000), wk = 0.0100000
k(114) = ( 0.0000000 -0.2084876 0.0000000), wk = 0.0100000
k(115) = ( 0.0000000 -0.2245251 0.0000000), wk = 0.0100000
k(116) = ( 0.0000000 -0.2405626 0.0000000), wk = 0.0100000
k(117) = ( 0.0000000 -0.2566001 0.0000000), wk = 0.0100000
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k(121) = ( 0.0000000 -0.3207501 0.0000000), wk = 0.0100000
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k(124) = ( 0.0000000 -0.3688627 0.0000000), wk = 0.0100000
k(125) = ( 0.0000000 -0.3849002 0.0000000), wk = 0.0100000
k(126) = ( 0.0000000 -0.4009377 0.0000000), wk = 0.0100000
k(127) = ( 0.0000000 -0.4169752 0.0000000), wk = 0.0100000
k(128) = ( 0.0000000 -0.4330127 0.0000000), wk = 0.0100000
k(129) = ( 0.0000000 -0.4490502 0.0000000), wk = 0.0100000
k(130) = ( 0.0000000 -0.4650877 0.0000000), wk = 0.0100000
k(131) = ( 0.0000000 -0.4811252 0.0000000), wk = 0.0100000
k(132) = ( 0.0000000 -0.4971627 0.0000000), wk = 0.0100000
k(133) = ( 0.0000000 -0.5132002 0.0000000), wk = 0.0100000
k(134) = ( 0.0000000 -0.5292377 0.0000000), wk = 0.0100000
k(135) = ( 0.0000000 -0.5452753 0.0000000), wk = 0.0100000
k(136) = ( 0.0000000 -0.5613128 0.0000000), wk = 0.0100000
k(137) = ( 0.0000000 -0.5773503 0.0000000), wk = 0.0100000
k(138) = ( 0.0158729 -0.5773505 0.0000000), wk = 0.0100000
k(139) = ( 0.0317457 -0.5773508 0.0000000), wk = 0.0100000
k(140) = ( 0.0476186 -0.5773511 0.0000000), wk = 0.0100000
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k(142) = ( 0.0793643 -0.5773516 0.0000000), wk = 0.0100000
k(143) = ( 0.0952371 -0.5773519 0.0000000), wk = 0.0100000
k(144) = ( 0.1111100 -0.5773522 0.0000000), wk = 0.0100000
k(145) = ( 0.1269829 -0.5773525 0.0000000), wk = 0.0100000
k(146) = ( 0.1428557 -0.5773527 0.0000000), wk = 0.0100000
k(147) = ( 0.1587286 -0.5773530 0.0000000), wk = 0.0100000
k(148) = ( 0.1746014 -0.5773533 0.0000000), wk = 0.0100000
k(149) = ( 0.1904743 -0.5773536 0.0000000), wk = 0.0100000
k(150) = ( 0.2063471 -0.5773538 0.0000000), wk = 0.0100000
k(151) = ( 0.2222200 -0.5773541 0.0000000), wk = 0.0100000
k(152) = ( 0.2380929 -0.5773544 0.0000000), wk = 0.0100000
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k( 153) = ( 0.2539657 -0.5773547 0.0000000), wk = 0.0100000
k( 154) = ( 0.2698386 -0.5773549 0.0000000), wk = 0.0100000
k( 155) = ( 0.2857114 -0.5773552 0.0000000), wk = 0.0100000
k( 156) = ( 0.3015843 -0.5773555 0.0000000), wk = 0.0100000
k( 157) = ( 0.3174571 -0.5773558 0.0000000), wk = 0.0100000
k( 158) = ( 0.3333300 -0.5773560 0.0000000), wk = 0.0100000
k( 159) = ( 0.3253936 -0.5636095 0.0000000), wk = 0.0100000
k( 160) = ( 0.3174571 -0.5498629 0.0000000), wk = 0.0100000
k( 161) = ( 0.3095207 -0.5361163 0.0000000), wk = 0.0100000
k( 162) = ( 0.3015843 -0.5223698 0.0000000), wk = 0.0100000
k( 163) = ( 0.2936479 -0.5086232 0.0000000), wk = 0.0100000
k( 164) = ( 0.2857114 -0.4948766 0.0000000), wk = 0.0100000
k( 165) = ( 0.2777750 -0.4811300 0.0000000), wk = 0.0100000
k( 166) = ( 0.2698386 -0.4673835 0.0000000), wk = 0.0100000
k( 167) = ( 0.2619021 -0.4536369 0.0000000), wk = 0.0100000
k( 168) = ( 0.2539657 -0.4398903 0.0000000), wk = 0.0100000
k( 169) = ( 0.2460293 -0.4261437 0.0000000), wk = 0.0100000
k( 170) = ( 0.2380929 -0.4123972 0.0000000), wk = 0.0100000
k( 171) = ( 0.2301564 -0.3986506 0.0000000), wk = 0.0100000
k( 172) = ( 0.2222200 -0.3849040 0.0000000), wk = 0.0100000
k( 173) = ( 0.2142836 -0.3711575 0.0000000), wk = 0.0100000
k( 174) = ( 0.2063471 -0.3574109 0.0000000), wk = 0.0100000
k( 175) = ( 0.1984107 -0.3436643 0.0000000), wk = 0.0100000
k( 176) = ( 0.1904743 -0.3299177 0.0000000), wk = 0.0100000
k( 177) = ( 0.1825379 -0.3161712 0.0000000), wk = 0.0100000
k( 178) = ( 0.1746014 -0.3024246 0.0000000), wk = 0.0100000
k( 179) = ( 0.1666650 -0.2886780 0.0000000), wk = 0.0100000
k( 180) = ( 0.1587286 -0.2749314 0.0000000), wk = 0.0100000
k( 181) = ( 0.1507921 -0.2611849 0.0000000), wk = 0.0100000
k( 182) = ( 0.1428557 -0.2474383 0.0000000), wk = 0.0100000
k( 183) = ( 0.1349193 -0.2336917 0.0000000), wk = 0.0100000
k( 184) = ( 0.1269829 -0.2199452 0.0000000), wk = 0.0100000
k( 185) = ( 0.1190464 -0.2061986 0.0000000), wk = 0.0100000
k( 186) = ( 0.1111100 -0.1924520 0.0000000), wk = 0.0100000
k( 187) = ( 0.1031736 -0.1787054 0.0000000), wk = 0.0100000
k( 188) = ( 0.0952371 -0.1649589 0.0000000), wk = 0.0100000
k( 189) = ( 0.0873007 -0.1512123 0.0000000), wk = 0.0100000
k( 190) = ( 0.0793643 -0.1374657 0.0000000), wk = 0.0100000
k( 191) = ( 0.0714279 -0.1237192 0.0000000), wk = 0.0100000
k( 192) = ( 0.0634914 -0.1099726 0.0000000), wk = 0.0100000
k( 193) = ( 0.0555550 -0.0962260 0.0000000), wk = 0.0100000
k( 194) = ( 0.0476186 -0.0824794 0.0000000), wk = 0.0100000
k( 195) = ( 0.0396821 -0.0687329 0.0000000), wk = 0.0100000
k( 196) = ( 0.0317457 -0.0549863 0.0000000), wk = 0.0100000
k( 197) = ( 0.0238093 -0.0412397 0.0000000), wk = 0.0100000
k( 198) = ( 0.0158729 -0.0274931 0.0000000), wk = 0.0100000
k( 199) = ( 0.0079364 -0.0137466 0.0000000), wk = 0.0100000
k( 200) = ( 0.0000000 0.0000000 0.0000000), wk = 0.0100000

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k( 1) = ( 0.0000000 0.0000000 0.0000000), wk = 0.0100000
k( 2) = ( 0.0000000 -0.0138889 0.0000000), wk = 0.0100000
k( 3) = ( 0.0000000 -0.0277778 0.0000000), wk = 0.0100000
k( 4) = ( 0.0000000 -0.0416667 0.0000000), wk = 0.0100000
k( 5) = ( 0.0000000 -0.0555556 0.0000000), wk = 0.0100000
k( 6) = ( 0.0000000 -0.0694444 0.0000000), wk = 0.0100000
k( 7) = ( 0.0000000 -0.0833333 0.0000000), wk = 0.0100000
k( 8) = ( 0.0000000 -0.0972222 0.0000000), wk = 0.0100000
k( 9) = ( 0.0000000 -0.1111111 0.0000000), wk = 0.0100000
k( 10) = ( 0.0000000 -0.1250000 0.0000000), wk = 0.0100000
k( 11) = ( 0.0000000 -0.1388889 0.0000000), wk = 0.0100000
k( 12) = ( 0.0000000 -0.1527778 0.0000000), wk = 0.0100000

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```
k( 13) = ( 0.0000000 -0.1666667 0.0000000), wk = 0.0100000
k( 14) = ( 0.0000000 -0.1805556 0.0000000), wk = 0.0100000
k( 15) = ( 0.0000000 -0.1944444 0.0000000), wk = 0.0100000
k( 16) = ( 0.0000000 -0.2083333 0.0000000), wk = 0.0100000
k( 17) = ( 0.0000000 -0.2222222 0.0000000), wk = 0.0100000
k( 18) = ( 0.0000000 -0.2361111 0.0000000), wk = 0.0100000
k( 19) = ( 0.0000000 -0.2500000 0.0000000), wk = 0.0100000
k( 20) = ( 0.0000000 -0.2638889 0.0000000), wk = 0.0100000
k( 21) = ( 0.0000000 -0.2777778 0.0000000), wk = 0.0100000
k( 22) = ( 0.0000000 -0.2916667 0.0000000), wk = 0.0100000
k( 23) = ( 0.0000000 -0.3055556 0.0000000), wk = 0.0100000
k( 24) = ( 0.0000000 -0.3194444 0.0000000), wk = 0.0100000
k( 25) = ( 0.0000000 -0.3333333 0.0000000), wk = 0.0100000
k( 26) = ( 0.0000000 -0.3472222 0.0000000), wk = 0.0100000
k( 27) = ( 0.0000000 -0.3611111 0.0000000), wk = 0.0100000
k( 28) = ( 0.0000000 -0.3750000 0.0000000), wk = 0.0100000
k( 29) = ( 0.0000000 -0.3888889 0.0000000), wk = 0.0100000
k( 30) = ( 0.0000000 -0.4027778 0.0000000), wk = 0.0100000
k( 31) = ( 0.0000000 -0.4166667 0.0000000), wk = 0.0100000
k( 32) = ( 0.0000000 -0.4305556 0.0000000), wk = 0.0100000
k( 33) = ( 0.0000000 -0.4444444 0.0000000), wk = 0.0100000
k( 34) = ( 0.0000000 -0.4583333 0.0000000), wk = 0.0100000
k( 35) = ( 0.0000000 -0.4722222 0.0000000), wk = 0.0100000
k( 36) = ( 0.0000000 -0.4861111 0.0000000), wk = 0.0100000
k( 37) = ( 0.0000000 -0.5000000 0.0000000), wk = 0.0100000
k( 38) = ( 0.0158729 -0.5079367 0.0000000), wk = 0.0100000
k( 39) = ( 0.0317457 -0.5158733 0.0000000), wk = 0.0100000
k( 40) = ( 0.0476186 -0.5238100 0.0000000), wk = 0.0100000
k( 41) = ( 0.0634914 -0.5317467 0.0000000), wk = 0.0100000
k( 42) = ( 0.0793643 -0.5396833 0.0000000), wk = 0.0100000
k( 43) = ( 0.0952371 -0.5476200 0.0000000), wk = 0.0100000
k( 44) = ( 0.1111100 -0.5555567 0.0000000), wk = 0.0100000
k( 45) = ( 0.1269829 -0.5634933 0.0000000), wk = 0.0100000
k( 46) = ( 0.1428557 -0.5714300 0.0000000), wk = 0.0100000
k( 47) = ( 0.1587286 -0.5793667 0.0000000), wk = 0.0100000
k( 48) = ( 0.1746014 -0.5873033 0.0000000), wk = 0.0100000
k( 49) = ( 0.1904743 -0.5952400 0.0000000), wk = 0.0100000
k( 50) = ( 0.2063471 -0.6031767 0.0000000), wk = 0.0100000
k( 51) = ( 0.2222200 -0.6111133 0.0000000), wk = 0.0100000
k( 52) = ( 0.2380929 -0.6190500 0.0000000), wk = 0.0100000
k( 53) = ( 0.2539657 -0.6269867 0.0000000), wk = 0.0100000
k( 54) = ( 0.2698386 -0.6349233 0.0000000), wk = 0.0100000
k( 55) = ( 0.2857114 -0.6428600 0.0000000), wk = 0.0100000
k( 56) = ( 0.3015843 -0.6507967 0.0000000), wk = 0.0100000
k( 57) = ( 0.3174571 -0.6587333 0.0000000), wk = 0.0100000
k( 58) = ( 0.3333300 -0.6666700 0.0000000), wk = 0.0100000
k( 59) = ( 0.3253936 -0.6507969 0.0000000), wk = 0.0100000
k( 60) = ( 0.3174571 -0.6349238 0.0000000), wk = 0.0100000
k( 61) = ( 0.3095207 -0.6190507 0.0000000), wk = 0.0100000
k( 62) = ( 0.3015843 -0.6031776 0.0000000), wk = 0.0100000
k( 63) = ( 0.2936479 -0.5873045 0.0000000), wk = 0.0100000
k( 64) = ( 0.2857114 -0.5714314 0.0000000), wk = 0.0100000
k( 65) = ( 0.2777750 -0.5555583 0.0000000), wk = 0.0100000
k( 66) = ( 0.2698386 -0.5396852 0.0000000), wk = 0.0100000
k( 67) = ( 0.2619021 -0.5238121 0.0000000), wk = 0.0100000
k( 68) = ( 0.2539657 -0.5079390 0.0000000), wk = 0.0100000
k( 69) = ( 0.2460293 -0.4920660 0.0000000), wk = 0.0100000
k( 70) = ( 0.2380929 -0.4761929 0.0000000), wk = 0.0100000
k( 71) = ( 0.2301564 -0.4603198 0.0000000), wk = 0.0100000
k( 72) = ( 0.2222200 -0.4444467 0.0000000), wk = 0.0100000
k( 73) = ( 0.2142836 -0.4285736 0.0000000), wk = 0.0100000
k( 74) = ( 0.2063471 -0.4127005 0.0000000), wk = 0.0100000
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k( 75) = ( 0.1984107 -0.3968274 0.0000000), wk = 0.0100000
k( 76) = ( 0.1904743 -0.3809543 0.0000000), wk = 0.0100000
k( 77) = ( 0.1825379 -0.3650812 0.0000000), wk = 0.0100000
k( 78) = ( 0.1746014 -0.3492081 0.0000000), wk = 0.0100000
k( 79) = ( 0.1666650 -0.3333350 0.0000000), wk = 0.0100000
k( 80) = ( 0.1587286 -0.3174619 0.0000000), wk = 0.0100000
k( 81) = ( 0.1507921 -0.3015888 0.0000000), wk = 0.0100000
k( 82) = ( 0.1428557 -0.2857157 0.0000000), wk = 0.0100000
k( 83) = ( 0.1349193 -0.2698426 0.0000000), wk = 0.0100000
k( 84) = ( 0.1269829 -0.2539695 0.0000000), wk = 0.0100000
k( 85) = ( 0.1190464 -0.2380964 0.0000000), wk = 0.0100000
k( 86) = ( 0.1111100 -0.2222233 0.0000000), wk = 0.0100000
k( 87) = ( 0.1031736 -0.2063502 0.0000000), wk = 0.0100000
k( 88) = ( 0.0952371 -0.1904771 0.0000000), wk = 0.0100000
k( 89) = ( 0.0873007 -0.1746040 0.0000000), wk = 0.0100000
k( 90) = ( 0.0793643 -0.1587310 0.0000000), wk = 0.0100000
k( 91) = ( 0.0714279 -0.1428579 0.0000000), wk = 0.0100000
k( 92) = ( 0.0634914 -0.1269848 0.0000000), wk = 0.0100000
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k( 95) = ( 0.0396821 -0.0793655 0.0000000), wk = 0.0100000
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k( 99) = ( 0.0079364 -0.0158731 0.0000000), wk = 0.0100000
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k(101) = ( 0.0000000 0.0000000 0.0000000), wk = 0.0100000
k(102) = ( 0.0000000 -0.0138889 0.0000000), wk = 0.0100000
k(103) = ( 0.0000000 -0.0277778 0.0000000), wk = 0.0100000
k(104) = ( 0.0000000 -0.0416667 0.0000000), wk = 0.0100000
k(105) = ( 0.0000000 -0.0555556 0.0000000), wk = 0.0100000
k(106) = ( 0.0000000 -0.0694444 0.0000000), wk = 0.0100000
k(107) = ( 0.0000000 -0.0833333 0.0000000), wk = 0.0100000
k(108) = ( 0.0000000 -0.0972222 0.0000000), wk = 0.0100000
k(109) = ( 0.0000000 -0.1111111 0.0000000), wk = 0.0100000
k(110) = ( 0.0000000 -0.1250000 0.0000000), wk = 0.0100000
k(111) = ( 0.0000000 -0.1388889 0.0000000), wk = 0.0100000
k(112) = ( 0.0000000 -0.1527778 0.0000000), wk = 0.0100000
k(113) = ( 0.0000000 -0.1666667 0.0000000), wk = 0.0100000
k(114) = ( 0.0000000 -0.1805556 0.0000000), wk = 0.0100000
k(115) = ( 0.0000000 -0.1944444 0.0000000), wk = 0.0100000
k(116) = ( 0.0000000 -0.2083333 0.0000000), wk = 0.0100000
k(117) = ( 0.0000000 -0.2222222 0.0000000), wk = 0.0100000
k(118) = ( 0.0000000 -0.2361111 0.0000000), wk = 0.0100000
k(119) = ( 0.0000000 -0.2500000 0.0000000), wk = 0.0100000
k(120) = ( 0.0000000 -0.2638889 0.0000000), wk = 0.0100000
k(121) = ( 0.0000000 -0.2777778 0.0000000), wk = 0.0100000
k(122) = ( 0.0000000 -0.2916667 0.0000000), wk = 0.0100000
k(123) = ( 0.0000000 -0.3055556 0.0000000), wk = 0.0100000
k(124) = ( 0.0000000 -0.3194444 0.0000000), wk = 0.0100000
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k(130) = ( 0.0000000 -0.4027778 0.0000000), wk = 0.0100000
k(131) = ( 0.0000000 -0.4166667 0.0000000), wk = 0.0100000
k(132) = ( 0.0000000 -0.4305556 0.0000000), wk = 0.0100000
k(133) = ( 0.0000000 -0.4444444 0.0000000), wk = 0.0100000
k(134) = ( 0.0000000 -0.4583333 0.0000000), wk = 0.0100000
k(135) = ( 0.0000000 -0.4722222 0.0000000), wk = 0.0100000
k(136) = ( 0.0000000 -0.4861111 0.0000000), wk = 0.0100000
```

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k( 137) = ( 0.0000000 -0.5000000 0.0000000), wk = 0.0100000
k( 138) = ( 0.0158729 -0.5079367 0.0000000), wk = 0.0100000
k( 139) = ( 0.0317457 -0.5158733 0.0000000), wk = 0.0100000
k( 140) = ( 0.0476186 -0.5238100 0.0000000), wk = 0.0100000
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k( 143) = ( 0.0952371 -0.5476200 0.0000000), wk = 0.0100000
k( 144) = ( 0.1111100 -0.5555567 0.0000000), wk = 0.0100000
k( 145) = ( 0.1269829 -0.5634933 0.0000000), wk = 0.0100000
k( 146) = ( 0.1428557 -0.5714300 0.0000000), wk = 0.0100000
k( 147) = ( 0.1587286 -0.5793667 0.0000000), wk = 0.0100000
k( 148) = ( 0.1746014 -0.5873033 0.0000000), wk = 0.0100000
k( 149) = ( 0.1904743 -0.5952400 0.0000000), wk = 0.0100000
k( 150) = ( 0.2063471 -0.6031767 0.0000000), wk = 0.0100000
k( 151) = ( 0.2222200 -0.6111133 0.0000000), wk = 0.0100000
k( 152) = ( 0.2380929 -0.6190500 0.0000000), wk = 0.0100000
k( 153) = ( 0.2539657 -0.6269867 0.0000000), wk = 0.0100000
k( 154) = ( 0.2698386 -0.6349233 0.0000000), wk = 0.0100000
k( 155) = ( 0.2857114 -0.6428600 0.0000000), wk = 0.0100000
k( 156) = ( 0.3015843 -0.6507967 0.0000000), wk = 0.0100000
k( 157) = ( 0.3174571 -0.6587333 0.0000000), wk = 0.0100000
k( 158) = ( 0.3333300 -0.6666700 0.0000000), wk = 0.0100000
k( 159) = ( 0.3253936 -0.6507969 0.0000000), wk = 0.0100000
k( 160) = ( 0.3174571 -0.6349238 0.0000000), wk = 0.0100000
k( 161) = ( 0.3095207 -0.6190507 0.0000000), wk = 0.0100000
k( 162) = ( 0.3015843 -0.6031776 0.0000000), wk = 0.0100000
k( 163) = ( 0.2936479 -0.5873045 0.0000000), wk = 0.0100000
k( 164) = ( 0.2857114 -0.5714314 0.0000000), wk = 0.0100000
k( 165) = ( 0.2777750 -0.5555583 0.0000000), wk = 0.0100000
k( 166) = ( 0.2698386 -0.5396852 0.0000000), wk = 0.0100000
k( 167) = ( 0.2619021 -0.5238121 0.0000000), wk = 0.0100000
k( 168) = ( 0.2539657 -0.5079390 0.0000000), wk = 0.0100000
k( 169) = ( 0.2460293 -0.4920660 0.0000000), wk = 0.0100000
k( 170) = ( 0.2380929 -0.4761929 0.0000000), wk = 0.0100000
k( 171) = ( 0.2301564 -0.4603198 0.0000000), wk = 0.0100000
k( 172) = ( 0.2222200 -0.4444467 0.0000000), wk = 0.0100000
k( 173) = ( 0.2142836 -0.4285736 0.0000000), wk = 0.0100000
k( 174) = ( 0.2063471 -0.4127005 0.0000000), wk = 0.0100000
k( 175) = ( 0.1984107 -0.3968274 0.0000000), wk = 0.0100000
k( 176) = ( 0.1904743 -0.3809543 0.0000000), wk = 0.0100000
k( 177) = ( 0.1825379 -0.3650812 0.0000000), wk = 0.0100000
k( 178) = ( 0.1746014 -0.3492081 0.0000000), wk = 0.0100000
k( 179) = ( 0.1666650 -0.3333350 0.0000000), wk = 0.0100000
k( 180) = ( 0.1587286 -0.3174619 0.0000000), wk = 0.0100000
k( 181) = ( 0.1507921 -0.3015888 0.0000000), wk = 0.0100000
k( 182) = ( 0.1428557 -0.2857157 0.0000000), wk = 0.0100000
k( 183) = ( 0.1349193 -0.2698426 0.0000000), wk = 0.0100000
k( 184) = ( 0.1269829 -0.2539695 0.0000000), wk = 0.0100000
k( 185) = ( 0.1190464 -0.2380964 0.0000000), wk = 0.0100000
k( 186) = ( 0.1111100 -0.2222233 0.0000000), wk = 0.0100000
k( 187) = ( 0.1031736 -0.2063502 0.0000000), wk = 0.0100000
k( 188) = ( 0.0952371 -0.1904771 0.0000000), wk = 0.0100000
k( 189) = ( 0.0873007 -0.1746040 0.0000000), wk = 0.0100000
k( 190) = ( 0.0793643 -0.1587310 0.0000000), wk = 0.0100000
k( 191) = ( 0.0714279 -0.1428579 0.0000000), wk = 0.0100000
k( 192) = ( 0.0634914 -0.1269848 0.0000000), wk = 0.0100000
k( 193) = ( 0.0555550 -0.1111117 0.0000000), wk = 0.0100000
k( 194) = ( 0.0476186 -0.0952386 0.0000000), wk = 0.0100000
k( 195) = ( 0.0396821 -0.0793655 0.0000000), wk = 0.0100000
k( 196) = ( 0.0317457 -0.0634924 0.0000000), wk = 0.0100000
k( 197) = ( 0.0238093 -0.0476193 0.0000000), wk = 0.0100000
k( 198) = ( 0.0158729 -0.0317462 0.0000000), wk = 0.0100000
```

k(199) = (0.0079364 -0.0158731 0.0000000), wk = 0.0100000
 k(200) = (0.0000000 0.0000000 0.0000000), wk = 0.0100000

Dense grid: 2049049 G-vectors FFT dimensions: (120, 120, 360)

Smooth grid: 518527 G-vectors FFT dimensions: (75, 75, 225)

Largest allocated arrays	est. size (Mb)	dimensions
Kohn-Sham Wavefunctions	18.71 Mb	(8119, 151)
NL pseudopotentials	62.44 Mb	(8119, 504)
Each V/rho on FFT grid	19.78 Mb	(648000, 2)
Each G-vector array	1.95 Mb	(256128)
G-vector shells	0.06 Mb	(7983)
Largest temporary arrays	est. size (Mb)	dimensions
Auxiliary wavefunctions	74.83 Mb	(8119, 604)
Each subspace H/S matrix	1.39 Mb	(302, 302)
Each <psi_i|beta_j> matrix	1.16 Mb	(504, 151)

Check: negative/imaginary core charge= -0.000004 0.000000

The potential is recalculated from file :
 ./tmp-hetero/A.save/charge-density.dat

negative rho (up, down): 7.044E-04 7.241E-04
 Starting wfc are 252 randomized atomic wfcs

Band Structure Calculation
 Davidson diagonalization with overlap

Computing kpt #: 1
 c_bands: 1 eigenvalues not converged
 total cpu time spent up to now is 543.3 secs

Computing kpt #: 2
 c_bands: 1 eigenvalues not converged
 total cpu time spent up to now is 1128.9 secs

Computing kpt #: 3
 c_bands: 1 eigenvalues not converged
 total cpu time spent up to now is 1718.1 secs

Computing kpt #: 4
 total cpu time spent up to now is 2200.5 secs

Computing kpt #: 5
 total cpu time spent up to now is 2697.8 secs

Computing kpt #: 6
 total cpu time spent up to now is 3137.5 secs

Computing kpt #: 7
 total cpu time spent up to now is 3577.7 secs

Computing kpt #: 8
 total cpu time spent up to now is 4040.0 secs

Computing kpt #: 9
 total cpu time spent up to now is 4487.3 secs

Computing kpt #: 10
 total cpu time spent up to now is 4924.2 secs

Computing kpt #:	11	
total cpu time spent up to now is		5360.4 secs
Computing kpt #:	12	
total cpu time spent up to now is		5802.1 secs
Computing kpt #:	13	
total cpu time spent up to now is		6239.1 secs
Computing kpt #:	14	
total cpu time spent up to now is		6691.8 secs
Computing kpt #:	15	
total cpu time spent up to now is		7156.2 secs
Computing kpt #:	16	
total cpu time spent up to now is		7594.6 secs
Computing kpt #:	17	
total cpu time spent up to now is		8029.8 secs
Computing kpt #:	18	
total cpu time spent up to now is		8486.9 secs
Computing kpt #:	19	
total cpu time spent up to now is		8922.2 secs
Computing kpt #:	20	
total cpu time spent up to now is		9360.2 secs
Computing kpt #:	21	
total cpu time spent up to now is		9796.2 secs
Computing kpt #:	22	
total cpu time spent up to now is		10239.2 secs
Computing kpt #:	23	
total cpu time spent up to now is		10718.9 secs
Computing kpt #:	24	
total cpu time spent up to now is		11199.6 secs
Computing kpt #:	25	
total cpu time spent up to now is		11637.1 secs
Computing kpt #:	26	
total cpu time spent up to now is		12036.8 secs
Computing kpt #:	27	
total cpu time spent up to now is		12436.2 secs
Computing kpt #:	28	
total cpu time spent up to now is		12837.6 secs
Computing kpt #:	29	
total cpu time spent up to now is		13245.4 secs
Computing kpt #:	30	
total cpu time spent up to now is		13696.1 secs
Computing kpt #:	31	

total cpu time spent up to now is	14139.6 secs
Computing kpt #: 32	
total cpu time spent up to now is	14581.9 secs
Computing kpt #: 33	
total cpu time spent up to now is	15191.1 secs
Computing kpt #: 34	
total cpu time spent up to now is	15644.4 secs
Computing kpt #: 35	
total cpu time spent up to now is	16109.3 secs
Computing kpt #: 36	
total cpu time spent up to now is	16554.9 secs
Computing kpt #: 37	
total cpu time spent up to now is	17003.9 secs
Computing kpt #: 38	
total cpu time spent up to now is	17523.9 secs
Computing kpt #: 39	
total cpu time spent up to now is	17989.3 secs
Computing kpt #: 40	
total cpu time spent up to now is	18450.1 secs
Computing kpt #: 41	
total cpu time spent up to now is	18903.2 secs
Computing kpt #: 42	
total cpu time spent up to now is	19364.9 secs
Computing kpt #: 43	
total cpu time spent up to now is	19833.6 secs
Computing kpt #: 44	
total cpu time spent up to now is	20342.0 secs
Computing kpt #: 45	
total cpu time spent up to now is	20834.8 secs
Computing kpt #: 46	
total cpu time spent up to now is	21333.9 secs
Computing kpt #: 47	
total cpu time spent up to now is	21799.6 secs
Computing kpt #: 48	
total cpu time spent up to now is	22259.7 secs
Computing kpt #: 49	
total cpu time spent up to now is	22719.3 secs
Computing kpt #: 50	
total cpu time spent up to now is	23222.4 secs
Computing kpt #: 51	
total cpu time spent up to now is	23702.6 secs

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Computing kpt #: 52
total cpu time spent up to now is 24225.0 secs

Computing kpt #: 53
total cpu time spent up to now is 24703.4 secs

Computing kpt #: 54
total cpu time spent up to now is 25180.9 secs

Computing kpt #: 55
total cpu time spent up to now is 25656.8 secs

Computing kpt #: 56
total cpu time spent up to now is 26117.7 secs

Computing kpt #: 57
total cpu time spent up to now is 26569.8 secs

Computing kpt #: 58
total cpu time spent up to now is 27025.5 secs

Computing kpt #: 59
total cpu time spent up to now is 27458.7 secs

Computing kpt #: 60
total cpu time spent up to now is 27909.6 secs

Computing kpt #: 61
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is 28506.6 secs

Computing kpt #: 62
total cpu time spent up to now is 29025.3 secs

Computing kpt #: 63
total cpu time spent up to now is 29502.2 secs

Computing kpt #: 64
total cpu time spent up to now is 29959.4 secs

Computing kpt #: 65
total cpu time spent up to now is 30410.0 secs

Computing kpt #: 66
total cpu time spent up to now is 30861.8 secs

Computing kpt #: 67
total cpu time spent up to now is 31315.3 secs

Computing kpt #: 68
total cpu time spent up to now is 31844.8 secs

Computing kpt #: 69
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is 32461.4 secs

Computing kpt #: 70
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is 33075.9 secs

Computing kpt #: 71
total cpu time spent up to now is 33579.2 secs
```

Computing kpt #:	72
total cpu time spent up to now is	34054.4 secs
Computing kpt #:	73
total cpu time spent up to now is	34498.4 secs
Computing kpt #:	74
total cpu time spent up to now is	34944.8 secs
Computing kpt #:	75
total cpu time spent up to now is	35391.8 secs
Computing kpt #:	76
total cpu time spent up to now is	35832.7 secs
Computing kpt #:	77
total cpu time spent up to now is	36284.8 secs
Computing kpt #:	78
total cpu time spent up to now is	36745.5 secs
Computing kpt #:	79
total cpu time spent up to now is	37220.9 secs
Computing kpt #:	80
total cpu time spent up to now is	37676.6 secs
Computing kpt #:	81
total cpu time spent up to now is	38123.9 secs
Computing kpt #:	82
total cpu time spent up to now is	38567.3 secs
Computing kpt #:	83
total cpu time spent up to now is	39028.7 secs
Computing kpt #:	84
total cpu time spent up to now is	39493.9 secs
Computing kpt #:	85
total cpu time spent up to now is	40022.9 secs
Computing kpt #:	86
total cpu time spent up to now is	40653.6 secs
Computing kpt #:	87
c_bands: 1 eigenvalues not converged	
total cpu time spent up to now is	41263.7 secs
Computing kpt #:	88
c_bands: 1 eigenvalues not converged	
total cpu time spent up to now is	41869.3 secs
Computing kpt #:	89
total cpu time spent up to now is	42377.1 secs
Computing kpt #:	90
total cpu time spent up to now is	42837.2 secs
Computing kpt #:	91
total cpu time spent up to now is	43298.3 secs


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Computing kpt #: 92
total cpu time spent up to now is 43736.6 secs

Computing kpt #: 93
total cpu time spent up to now is 44215.8 secs

Computing kpt #: 94
total cpu time spent up to now is 44661.1 secs

Computing kpt #: 95
total cpu time spent up to now is 45113.0 secs

Computing kpt #: 96
total cpu time spent up to now is 45661.6 secs

Computing kpt #: 97
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is 46263.9 secs

Computing kpt #: 98
total cpu time spent up to now is 46857.2 secs

Computing kpt #: 99
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is 47440.9 secs

Computing kpt #: 100
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is 48051.2 secs

Computing kpt #: 101
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is 48646.2 secs

Computing kpt #: 102
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is 49256.9 secs

Computing kpt #: 103
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is 49848.8 secs

Computing kpt #: 104
total cpu time spent up to now is 50441.9 secs

Computing kpt #: 105
total cpu time spent up to now is 51033.7 secs

Computing kpt #: 106
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is 51671.1 secs

Computing kpt #: 107
total cpu time spent up to now is 52214.5 secs

Computing kpt #: 108
total cpu time spent up to now is 52668.9 secs

Computing kpt #: 109
total cpu time spent up to now is 53140.6 secs
```

Computing kpt #:	110
total cpu time spent up to now is	53605.2 secs
Computing kpt #:	111
total cpu time spent up to now is	54041.8 secs
Computing kpt #:	112
total cpu time spent up to now is	54492.8 secs
Computing kpt #:	113
total cpu time spent up to now is	54998.3 secs
Computing kpt #:	114
total cpu time spent up to now is	55509.3 secs
Computing kpt #:	115
total cpu time spent up to now is	55962.3 secs
Computing kpt #:	116
total cpu time spent up to now is	56446.9 secs
Computing kpt #:	117
total cpu time spent up to now is	56924.7 secs
Computing kpt #:	118
total cpu time spent up to now is	57414.0 secs
Computing kpt #:	119
total cpu time spent up to now is	57852.5 secs
Computing kpt #:	120
total cpu time spent up to now is	58284.5 secs
Computing kpt #:	121
total cpu time spent up to now is	58716.2 secs
Computing kpt #:	122
total cpu time spent up to now is	59105.0 secs
Computing kpt #:	123
total cpu time spent up to now is	59500.9 secs
Computing kpt #:	124
total cpu time spent up to now is	59905.7 secs
Computing kpt #:	125
total cpu time spent up to now is	60289.9 secs
Computing kpt #:	126
total cpu time spent up to now is	60640.7 secs
Computing kpt #:	127
total cpu time spent up to now is	60987.2 secs
Computing kpt #:	128
total cpu time spent up to now is	61340.0 secs
Computing kpt #:	129
total cpu time spent up to now is	61690.9 secs
Computing kpt #:	130
total cpu time spent up to now is	62077.5 secs

Computing kpt #:	131
total cpu time spent up to now is	62470.6 secs
Computing kpt #:	132
total cpu time spent up to now is	62867.9 secs
Computing kpt #:	133
total cpu time spent up to now is	63381.5 secs
Computing kpt #:	134
total cpu time spent up to now is	63776.2 secs
Computing kpt #:	135
total cpu time spent up to now is	64165.8 secs
Computing kpt #:	136
total cpu time spent up to now is	64567.2 secs
Computing kpt #:	137
total cpu time spent up to now is	64967.7 secs
Computing kpt #:	138
total cpu time spent up to now is	65359.9 secs
Computing kpt #:	139
total cpu time spent up to now is	65752.1 secs
Computing kpt #:	140
total cpu time spent up to now is	66143.1 secs
Computing kpt #:	141
total cpu time spent up to now is	66545.5 secs
Computing kpt #:	142
total cpu time spent up to now is	66951.5 secs
Computing kpt #:	143
total cpu time spent up to now is	67345.1 secs
Computing kpt #:	144
total cpu time spent up to now is	67741.2 secs
Computing kpt #:	145
total cpu time spent up to now is	68134.0 secs
Computing kpt #:	146
total cpu time spent up to now is	68523.2 secs
Computing kpt #:	147
total cpu time spent up to now is	68927.0 secs
Computing kpt #:	148
total cpu time spent up to now is	69332.0 secs
Computing kpt #:	149
total cpu time spent up to now is	69731.4 secs
Computing kpt #:	150
total cpu time spent up to now is	70126.0 secs
Computing kpt #:	151

total cpu time spent up to now is	70514.1 secs
Computing kpt #: 152	
total cpu time spent up to now is	70920.7 secs
Computing kpt #: 153	
total cpu time spent up to now is	71322.2 secs
Computing kpt #: 154	
total cpu time spent up to now is	71721.7 secs
Computing kpt #: 155	
total cpu time spent up to now is	72089.3 secs
Computing kpt #: 156	
total cpu time spent up to now is	72454.3 secs
Computing kpt #: 157	
total cpu time spent up to now is	72827.8 secs
Computing kpt #: 158	
total cpu time spent up to now is	73184.1 secs
Computing kpt #: 159	
total cpu time spent up to now is	73601.5 secs
Computing kpt #: 160	
total cpu time spent up to now is	74128.9 secs
Computing kpt #: 161	
total cpu time spent up to now is	74639.2 secs
Computing kpt #: 162	
c_bands: 1 eigenvalues not converged	
total cpu time spent up to now is	75253.0 secs
Computing kpt #: 163	
total cpu time spent up to now is	75822.2 secs
Computing kpt #: 164	
total cpu time spent up to now is	76331.1 secs
Computing kpt #: 165	
total cpu time spent up to now is	76802.5 secs
Computing kpt #: 166	
total cpu time spent up to now is	77266.3 secs
Computing kpt #: 167	
total cpu time spent up to now is	77677.1 secs
Computing kpt #: 168	
total cpu time spent up to now is	78126.2 secs
Computing kpt #: 169	
total cpu time spent up to now is	78622.0 secs
Computing kpt #: 170	
total cpu time spent up to now is	79128.1 secs
Computing kpt #: 171	
total cpu time spent up to now is	79637.2 secs

```
Computing kpt #: 172
total cpu time spent up to now is 80095.8 secs

Computing kpt #: 173
total cpu time spent up to now is 80566.8 secs

Computing kpt #: 174
total cpu time spent up to now is 81032.3 secs

Computing kpt #: 175
total cpu time spent up to now is 81486.9 secs

Computing kpt #: 176
total cpu time spent up to now is 81904.9 secs

Computing kpt #: 177
total cpu time spent up to now is 82364.6 secs

Computing kpt #: 178
total cpu time spent up to now is 82833.4 secs

Computing kpt #: 179
total cpu time spent up to now is 83254.2 secs

Computing kpt #: 180
total cpu time spent up to now is 83709.0 secs

Computing kpt #: 181
total cpu time spent up to now is 84170.3 secs

Computing kpt #: 182
total cpu time spent up to now is 84616.5 secs

Computing kpt #: 183
total cpu time spent up to now is 85069.5 secs

Computing kpt #: 184
total cpu time spent up to now is 85529.1 secs

Computing kpt #: 185
total cpu time spent up to now is 86001.4 secs

Computing kpt #: 186
total cpu time spent up to now is 86544.0 secs

Computing kpt #: 187
total cpu time spent up to now is 87093.6 secs

Computing kpt #: 188
total cpu time spent up to now is 87683.5 secs

Computing kpt #: 189
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is 88282.3 secs

Computing kpt #: 190
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is 88890.4 secs

Computing kpt #: 191
total cpu time spent up to now is 89393.0 secs
```

Computing kpt #: 192
total cpu time spent up to now is 89879.9 secs

Computing kpt #: 193
total cpu time spent up to now is 90332.3 secs

Computing kpt #: 194
total cpu time spent up to now is 90790.5 secs

Computing kpt #: 195
total cpu time spent up to now is 91238.8 secs

Computing kpt #: 196
total cpu time spent up to now is 91780.4 secs

Computing kpt #: 197
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is 92394.5 secs

Computing kpt #: 198
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is 92997.1 secs

Computing kpt #: 199
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is 93603.9 secs

Computing kpt #: 200
c_bands: 1 eigenvalues not converged
total cpu time spent up to now is 94209.7 secs

ethr = 3.98E-10, avg # of iterations = 60.9

total cpu time spent up to now is 94209.7 secs

End of band structure calculation

----- SPIN UP -----

k = 0.0000 0.0000 0.0000 (64705 PWs) bands (ev):

-21.6709	-21.3588	-20.5147	-20.5145	-20.4876	-20.3768	-20.3765	-20.0556
-19.8100	-19.8092	-19.8082	-19.8046	-19.8038	-19.8031	-18.5262	-18.5261
-18.3553	-18.3549	-18.2160	-18.2158	-18.2020	-18.0847	-16.8104	-16.8094
-16.8086	-16.8084	-16.8059	-16.8043	-15.6474	-15.6420	-15.6400	-14.9364
-14.9359	-14.9343	-12.8504	-12.5930	-12.5928	-12.5393	-11.8096	-11.8028
-11.7958	-11.7935	-11.7877	-11.7835	-11.2663	-11.2334	-11.2331	-10.9139
-10.9136	-10.5296	-10.5278	-10.5256	-10.5248	-10.5223	-10.5205	-10.1775
-9.5481	-9.5479	-9.4573	-9.3738	-9.2472	-9.1547	-8.9379	-8.9378
-8.6555	-8.6497	-8.6457	-8.6447	-8.6441	-8.6351	-8.4681	-8.3362
-8.3361	-8.0100	-8.0098	-7.7685	-7.7661	-7.7596	-7.5129	-7.5127
-7.4941	-7.4869	-7.4851	-7.4816	-7.4804	-7.4799	-7.4769	-7.4605
-7.3789	-7.3786	-7.0247	-6.8919	-6.8763	-6.8763	-6.2803	-6.2798
-6.2780	-6.2779	-6.2722	-6.2712	-6.2424	-6.2363	-6.2362	-5.7228
-4.7099	-4.7099	-4.6666	-4.6665	-4.5299	-4.5295	-4.3785	-4.3134
-4.2686	-4.2685	-4.0686	-4.0658	-4.0410	-4.0397	-4.0370	-4.0337
-4.0324	-4.0290	-3.5975	-3.5959	-3.5948	-1.2788	0.6735	0.6739
0.6759	1.2457	1.7100	1.7101	1.7480	1.9636	1.9780	2.0027
2.0198	2.0211	2.0311	2.0399	2.0497	2.1470	2.1500	2.4536
2.6934	2.8053	2.9812	2.9814	3.1242	3.1243	3.3638	

k = 0.0000-0.0160 0.0000 (64649 PWs) bands (ev):

-21.6707	-21.3585	-20.5190	-20.5165	-20.4903	-20.3744	-20.3699	-20.0545
-19.8492	-19.8280	-19.8271	-19.7853	-19.7845	-19.7630	-18.5292	-18.5284
-18.3559	-18.3529	-18.2166	-18.2161	-18.2014	-18.0818	-16.8693	-16.8664
-16.8082	-16.8077	-16.7486	-16.7455	-15.6509	-15.6493	-15.6421	-14.9338
-14.9319	-14.9264	-12.8510	-12.5926	-12.5924	-12.5371	-11.8539	-11.8458
-11.7982	-11.7981	-11.7463	-11.7401	-11.2846	-11.2353	-11.2173	-10.9137
-10.9126	-10.5788	-10.5752	-10.5228	-10.5213	-10.4726	-10.4690	-10.1773
-9.5595	-9.5477	-9.4455	-9.3735	-9.2482	-9.1544	-8.9360	-8.9349
-8.7416	-8.6959	-8.6918	-8.6007	-8.5959	-8.5489	-8.4900	-8.3406
-8.3189	-8.0065	-8.0053	-7.7695	-7.7658	-7.7605	-7.5324	-7.5251
-7.5165	-7.5085	-7.5052	-7.4943	-7.4609	-7.4576	-7.4547	-7.4304
-7.3745	-7.3675	-7.0223	-6.8938	-6.8765	-6.8737	-6.3153	-6.2995
-6.2921	-6.2619	-6.2612	-6.2542	-6.2397	-6.2369	-6.2180	-5.7231
-4.7107	-4.7101	-4.6738	-4.6731	-4.5320	-4.5245	-4.3699	-4.3121
-4.2694	-4.2688	-4.1037	-4.0983	-4.0692	-4.0664	-4.0359	-4.0348
-3.9728	-3.9672	-3.5983	-3.5972	-3.5953	-1.2785	0.6742	0.6755
0.6776	1.2461	1.7106	1.7114	1.7484	1.9259	1.9504	1.9643
2.0093	2.0209	2.0501	2.0838	2.1010	2.1467	2.1496	2.4540
2.6938	2.8006	2.9740	2.9762	3.1291	3.1337	3.3411	

k = 0.0000-0.0321 0.0000 (64699 PWs) bands (ev):

-21.6699	-21.3576	-20.5327	-20.5218	-20.4949	-20.3677	-20.3530	-20.0512
-19.8909	-19.8485	-19.8477	-19.7630	-19.7623	-19.7196	-18.5379	-18.5351
-18.3578	-18.3472	-18.2187	-18.2166	-18.1995	-18.0736	-16.9289	-16.9261
-16.8073	-16.8069	-16.6876	-16.6844	-15.6763	-15.6554	-15.6482	-14.9262
-14.9243	-14.8997	-12.8527	-12.5915	-12.5911	-12.5304	-11.9079	-11.9000
-11.8086	-11.8078	-11.6966	-11.6900	-11.3146	-11.2415	-11.1944	-10.9135
-10.9090	-10.6287	-10.6250	-10.5128	-10.5109	-10.4166	-10.4131	-10.1767
-9.5848	-9.5466	-9.4196	-9.3728	-9.2509	-9.1533	-8.9306	-8.9265
-8.8372	-8.7438	-8.7397	-8.5529	-8.5481	-8.5372	-8.4537	-8.3533
-8.2861	-7.9957	-7.9928	-7.7722	-7.7650	-7.7633	-7.5820	-7.5531
-7.5328	-7.5296	-7.5263	-7.4968	-7.4620	-7.4313	-7.4283	-7.3789
-7.3628	-7.3411	-7.0151	-6.8981	-6.8772	-6.8675	-6.3525	-6.3210
-6.3137	-6.2833	-6.2459	-6.2389	-6.2381	-6.2016	-6.1975	-5.7242
-4.7132	-4.7109	-4.6928	-4.6919	-4.5365	-4.5121	-4.3474	-4.3084
-4.2721	-4.2691	-4.1685	-4.1631	-4.0724	-4.0691	-4.0354	-4.0343
-3.9072	-3.9017	-3.6043	-3.5983	-3.5961	-1.2778	0.6760	0.6777
0.6851	1.2472	1.7121	1.7155	1.7497	1.8545	1.8771	1.9663
2.0073	2.0188	2.0512	2.1456	2.1484	2.1551	2.1745	2.4552
2.6952	2.7868	2.9546	2.9645	3.1409	3.1582	3.2972	

k = 0.0000-0.0481 0.0000 (64743 PWs) bands (ev):

-21.6687	-21.3561	-20.5534	-20.5297	-20.4988	-20.3575	-20.3305	-20.0458
-19.9322	-19.8684	-19.8676	-19.7402	-19.7394	-19.6754	-18.5511	-18.5460
-18.3604	-18.3391	-18.2223	-18.2174	-18.1963	-18.0608	-16.9882	-16.9854
-16.8059	-16.8055	-16.6262	-16.6230	-15.7151	-15.6651	-15.6582	-14.9137
-14.9120	-14.8587	-12.8552	-12.5893	-12.5888	-12.5198	-11.9636	-11.9558
-11.8255	-11.8239	-11.6478	-11.6411	-11.3469	-11.2516	-11.1746	-10.9136
-10.9022	-10.6765	-10.6727	-10.4963	-10.4939	-10.3587	-10.3553	-10.1757
-9.6145	-9.5452	-9.3890	-9.3717	-9.2547	-9.1516	-8.9329	-8.9218
-8.9133	-8.7916	-8.7875	-8.5930	-8.5053	-8.5004	-8.3727	-8.3585
-8.2561	-7.9758	-7.9737	-7.7769	-7.7680	-7.7633	-7.6311	-7.5876
-7.5565	-7.5532	-7.5401	-7.5017	-7.4640	-7.4042	-7.4012	-7.3460
-7.3268	-7.3083	-7.0034	-6.9034	-6.8785	-6.8590	-6.3894	-6.3443
-6.3372	-6.3060	-6.2424	-6.2316	-6.2238	-6.1775	-6.1632	-5.7258
-4.7204	-4.7191	-4.7173	-4.7123	-4.5405	-4.4969	-4.3163	-4.3027
-4.2758	-4.2696	-4.2332	-4.2277	-4.0781	-4.0729	-4.0346	-4.0334

-3.8415	-3.8359	-3.6149	-3.5995	-3.5974	-1.2765	0.6791	0.6808
0.6981	1.2491	1.7147	1.7224	1.7517	1.7816	1.8034	1.9697
2.0039	2.0153	2.0531	2.1436	2.1466	2.2280	2.2484	2.4572
2.6974	2.7650	2.9278	2.9512	3.1552	3.1915	3.2491	

k = 0.0000-0.0642 0.0000 (64775 PWs) bands (ev):

-21.6669	-21.3540	-20.5778	-20.5394	-20.5025	-20.3447	-20.3055	-20.0382
-19.9729	-19.8877	-19.8870	-19.7167	-19.7159	-19.6307	-18.5676	-18.5609
-18.3633	-18.3299	-18.2273	-18.2183	-18.1915	-18.0443	-17.0469	-17.0442
-16.8039	-16.8035	-16.5643	-16.5611	-15.7638	-15.6783	-15.6715	-14.8969
-14.8954	-14.8068	-12.8586	-12.5860	-12.5857	-12.5057	-12.0208	-12.0131
-11.8481	-11.8461	-11.6000	-11.5934	-11.3801	-11.2651	-11.1599	-10.9142
-10.8913	-10.7222	-10.7184	-10.4739	-10.4708	-10.2990	-10.2957	-10.1742
-9.6454	-9.5438	-9.3703	-9.3570	-9.2585	-9.1492	-9.0285	-8.9099
-8.8959	-8.8394	-8.8352	-8.6516	-8.4578	-8.4527	-8.3968	-8.2636
-8.2349	-7.9500	-7.9458	-7.7833	-7.7745	-7.7612	-7.6796	-7.6249
-7.5794	-7.5760	-7.5560	-7.5084	-7.4667	-7.3765	-7.3734	-7.3258
-7.2740	-7.2732	-6.9871	-6.9095	-6.8802	-6.8484	-6.4259	-6.3694
-6.3625	-6.3293	-6.2471	-6.2191	-6.2112	-6.1581	-6.1245	-5.7281
-4.7555	-4.7496	-4.7232	-4.7141	-4.5430	-4.4820	-4.2979	-4.2976
-4.2921	-4.2821	-4.2777	-4.2688	-4.0864	-4.0780	-4.0334	-4.0322
-3.7757	-3.7700	-3.6295	-3.6013	-3.5992	-1.2748	0.6834	0.6851
0.7162	1.2517	1.7084	1.7183	1.7297	1.7318	1.7547	1.9745
1.9992	2.0105	2.0557	2.1405	2.1447	2.3014	2.3223	2.4600
2.7005	2.7370	2.8965	2.9387	3.1690	3.1997	3.2297	

k = 0.0000-0.0802 0.0000 (64789 PWs) bands (ev):

-21.6647	-21.3513	-20.6039	-20.5502	-20.5064	-20.3298	-20.2793	-20.0284
-20.0131	-19.9064	-19.9057	-19.6927	-19.6919	-19.5854	-18.5866	-18.5794
-18.3659	-18.3205	-18.2338	-18.2194	-18.1850	-18.0249	-17.1052	-17.1025
-16.8014	-16.8009	-16.5021	-16.4987	-15.8196	-15.6943	-15.6878	-14.8761
-14.8748	-14.7470	-12.8624	-12.5817	-12.5811	-12.4885	-12.0795	-12.0718
-11.8761	-11.8736	-11.5534	-11.5468	-11.4139	-11.2817	-11.1515	-10.9158
-10.8757	-10.7658	-10.7619	-10.4459	-10.4424	-10.2377	-10.2344	-10.1718
-9.6765	-9.5429	-9.3691	-9.3252	-9.2611	-9.1461	-9.1235	-8.8958
-8.8871	-8.8828	-8.8753	-8.7101	-8.4239	-8.4104	-8.4053	-8.2237
-8.1689	-7.9230	-7.9064	-7.7916	-7.7827	-7.7585	-7.7274	-7.6634
-7.6017	-7.5981	-7.5729	-7.5167	-7.4701	-7.3481	-7.3450	-7.3033
-7.2375	-7.2206	-6.9667	-6.9165	-6.8823	-6.8359	-6.4621	-6.3963
-6.3896	-6.3531	-6.2532	-6.2084	-6.2004	-6.1393	-6.0856	-5.7310
-4.7950	-4.7829	-4.7306	-4.7165	-4.5442	-4.4689	-4.3616	-4.3562
-4.3009	-4.2734	-4.2707	-4.2402	-4.0973	-4.0843	-4.0318	-4.0306
-3.7099	-3.7041	-3.6481	-3.6035	-3.6014	-1.2724	0.6889	0.6906
0.7394	1.2551	1.6352	1.6562	1.7228	1.7434	1.7587	1.9807
1.9930	2.0043	2.0590	2.1362	2.1425	2.3749	2.3962	2.4636
2.7045	2.7046	2.8628	2.9271	3.1501	3.1806	3.2709	

k = 0.0000-0.0962 0.0000 (64793 PWs) bands (ev):

-21.6620	-21.3479	-20.6308	-20.5616	-20.5108	-20.3135	-20.2527	-20.0527
-20.0165	-19.9246	-19.9239	-19.6681	-19.6673	-19.5395	-18.6073	-18.6008
-18.3681	-18.3119	-18.2416	-18.2205	-18.1769	-18.0036	-17.1631	-17.1604
-16.7983	-16.7977	-16.4394	-16.4360	-15.8803	-15.7129	-15.7066	-14.8517
-14.8506	-14.6815	-12.8664	-12.5768	-12.5749	-12.4685	-12.1395	-12.1318
-11.9087	-11.9058	-11.5077	-11.5012	-11.4478	-11.3010	-11.1495	-10.9188
-10.8552	-10.8073	-10.8033	-10.4132	-10.4092	-10.1746	-10.1714	-10.1686
-9.7073	-9.5431	-9.3697	-9.2947	-9.2615	-9.2163	-9.1423	-8.9348
-8.9300	-8.8819	-8.8524	-8.7645	-8.4529	-8.3633	-8.3580	-8.2210
-8.0746	-7.8938	-7.8599	-7.8017	-7.7929	-7.7745	-7.7551	-7.7026
-7.6232	-7.6195	-7.5902	-7.5262	-7.4743	-7.3190	-7.3158	-7.2792

-7.2020	-7.1667	-6.9423	-6.9245	-6.8848	-6.8213	-6.4980	-6.4250
-6.4185	-6.3775	-6.2605	-6.1994	-6.1914	-6.1211	-6.0465	-5.7343
-4.8374	-4.8180	-4.7397	-4.7194	-4.5444	-4.4582	-4.4254	-4.4199
-4.3102	-4.2745	-4.2567	-4.2007	-4.1106	-4.0920	-4.0299	-4.0287
-3.6713	-3.6433	-3.6381	-3.6061	-3.6040	-1.2696	0.6957	0.6973
0.7675	1.2592	1.5621	1.5827	1.7284	1.7563	1.7644	1.9856
1.9886	1.9967	2.0628	2.1312	2.1400	2.4484	2.4679	2.4701
2.6692	2.7093	2.8275	2.9159	3.1006	3.1893	3.2449	

k = 0.0000-0.1123 0.0000 (64753 PWs) bands (ev):

-21.6588	-21.3440	-20.6582	-20.5732	-20.5156	-20.2960	-20.2261	-20.0917
-20.0026	-19.9421	-19.9414	-19.6429	-19.6421	-19.4930	-18.6293	-18.6248
-18.3697	-18.3045	-18.2506	-18.2217	-18.1671	-17.9807	-17.2204	-17.2178
-16.7946	-16.7940	-16.3763	-16.3729	-15.9442	-15.7335	-15.7275	-14.8243
-14.8234	-14.6117	-12.8704	-12.5710	-12.5673	-12.4460	-12.2008	-12.1932
-11.9454	-11.9422	-11.4817	-11.4631	-11.4567	-11.3224	-11.1535	-10.9237
-10.8467	-10.8427	-10.8304	-10.3763	-10.3719	-10.1643	-10.1101	-10.1069
-9.7376	-9.5448	-9.3805	-9.2986	-9.2670	-9.2589	-9.1378	-8.9825
-8.9769	-8.8791	-8.8283	-8.8025	-8.4823	-8.3163	-8.3110	-8.2248
-7.9807	-7.8633	-7.8212	-7.8134	-7.8087	-7.8047	-7.7511	-7.7419
-7.6441	-7.6399	-7.6075	-7.5365	-7.4793	-7.2893	-7.2860	-7.2538
-7.1669	-7.1122	-6.9335	-6.9141	-6.8877	-6.8048	-6.5334	-6.4555
-6.4492	-6.4025	-6.2692	-6.1922	-6.1841	-6.1035	-6.0071	-5.7382
-4.8815	-4.8546	-4.7504	-4.7228	-4.5439	-4.4889	-4.4833	-4.4501
-4.3224	-4.2762	-4.2393	-4.1603	-4.1264	-4.1010	-4.0276	-4.0264
-3.6973	-3.6097	-3.6075	-3.5772	-3.5716	-1.2662	0.7036	0.7052
0.8002	1.2641	1.4892	1.5095	1.7349	1.7660	1.7760	1.9768
1.9878	1.9981	2.0671	2.1256	2.1372	2.4730	2.5219	2.5439
2.6322	2.7150	2.7916	2.9047	3.0516	3.1948	3.2204	

k = 0.0000-0.1283 0.0000 (64777 PWs) bands (ev):

-21.6551	-21.3395	-20.6858	-20.5849	-20.5207	-20.2775	-20.1997	-20.1301
-19.9865	-19.9591	-19.9584	-19.6172	-19.6163	-19.4460	-18.6522	-18.6509
-18.3708	-18.2988	-18.2605	-18.2230	-18.1558	-17.9570	-17.2773	-17.2747
-16.7904	-16.7898	-16.3129	-16.3094	-16.0106	-15.7559	-15.7501	-14.7942
-14.7934	-14.5387	-12.8743	-12.5644	-12.5583	-12.4212	-12.2634	-12.2558
-11.9855	-11.9821	-11.5154	-11.4194	-11.4130	-11.3457	-11.1628	-10.9306
-10.8840	-10.8800	-10.8021	-10.3358	-10.3310	-10.1589	-10.0443	-10.0410
-9.7674	-9.5485	-9.4365	-9.3354	-9.2527	-9.2448	-9.1326	-9.0301
-9.0233	-8.9056	-8.8043	-8.8031	-8.5109	-8.2697	-8.2643	-8.2332
-7.8877	-7.8667	-7.8320	-7.8273	-7.8184	-7.7813	-7.7547	-7.7465
-7.6643	-7.6592	-7.6246	-7.5475	-7.4850	-7.2589	-7.2555	-7.2274
-7.1325	-7.0573	-6.9436	-6.8909	-6.8827	-6.7864	-6.5685	-6.4877
-6.4817	-6.4282	-6.2790	-6.1866	-6.1784	-6.0867	-5.9675	-5.7423
-4.9269	-4.8922	-4.7628	-4.7267	-4.5519	-4.5463	-4.5429	-4.4446
-4.3363	-4.2783	-4.2200	-4.1446	-4.1196	-4.1114	-4.0250	-4.0238
-3.7271	-3.6132	-3.6111	-3.5113	-3.5057	-1.2622	0.7127	0.7142
0.8376	1.2696	1.4165	1.4365	1.7425	1.7729	1.7928	1.9668
1.9776	2.0095	2.0714	2.1198	2.1341	2.4788	2.5941	2.5953
2.6176	2.7213	2.7557	2.8931	3.0032	3.1948	3.1989	

k = 0.0000-0.1443 0.0000 (64743 PWs) bands (ev):

-21.6509	-21.3344	-20.7133	-20.5966	-20.5262	-20.2582	-20.1738	-20.1680
-19.9754	-19.9747	-19.9685	-19.5908	-19.5900	-19.3984	-18.6786	-18.6759
-18.3714	-18.2957	-18.2702	-18.2243	-18.1433	-17.9325	-17.3337	-17.3312
-16.7856	-16.7849	-16.2491	-16.2455	-16.0784	-15.7796	-15.7740	-14.7619
-14.7611	-14.4633	-12.8778	-12.5569	-12.5480	-12.3943	-12.3271	-12.3195
-12.0286	-12.0249	-11.5488	-11.3764	-11.3705	-11.3702	-11.1762	-10.9397
-10.9194	-10.9154	-10.7710	-10.2922	-10.2871	-10.1522	-9.9771	-9.9739

-9.7964	-9.5542	-9.5248	-9.3399	-9.2428	-9.2326	-9.1267	-9.0777
-9.0688	-8.9410	-8.7827	-8.7822	-8.5366	-8.2450	-8.2234	-8.2179
-7.9115	-7.8428	-7.8340	-7.8205	-7.8003	-7.7964	-7.7413	-7.6995
-7.6838	-7.6762	-7.6415	-7.5590	-7.4914	-7.2279	-7.2243	-7.2001
-7.0989	-7.0020	-6.9547	-6.8944	-6.8483	-6.7663	-6.6031	-6.5215
-6.5160	-6.4544	-6.2899	-6.1826	-6.1745	-6.0708	-5.9278	-5.7468
-4.9732	-4.9307	-4.7767	-4.7310	-4.6146	-4.6089	-4.5414	-4.4418
-4.3513	-4.2806	-4.1995	-4.1652	-4.1231	-4.0790	-4.0220	-4.0208
-3.7603	-3.6172	-3.6152	-3.4454	-3.4397	-1.2576	0.7229	0.7244
0.8792	1.2760	1.3440	1.3639	1.7510	1.7800	1.8112	1.9555
1.9661	2.0229	2.0748	2.1149	2.1306	2.4853	2.5557	2.6687
2.6912	2.7180	2.7307	2.8808	2.9556	3.1731	3.1966	

k = 0.0000-0.1604 0.0000 (64775 PWs) bands (ev):

-21.6462	-21.3286	-20.7408	-20.6081	-20.5319	-20.2381	-20.2053	-20.1484
-19.9912	-19.9905	-19.9485	-19.5639	-19.5630	-19.3503	-18.7076	-18.7001
-18.3716	-18.2984	-18.2766	-18.2258	-18.1299	-17.9078	-17.3896	-17.3871
-16.7802	-16.7795	-16.1851	-16.1813	-16.1472	-15.8043	-15.7989	-14.7275
-14.7267	-14.3859	-12.8808	-12.5486	-12.5365	-12.3919	-12.3844	-12.3654
-12.0742	-12.0703	-11.5818	-11.3965	-11.3342	-11.3280	-11.1932	-10.9528
-10.9512	-10.9488	-10.7378	-10.2460	-10.2406	-10.1443	-9.9088	-9.9056
-9.8247	-9.6190	-9.5618	-9.3390	-9.2367	-9.2292	-9.1252	-9.1202
-9.1132	-8.9644	-8.7653	-8.7557	-8.5563	-8.2591	-8.1778	-8.1721
-7.9552	-7.8600	-7.8594	-7.8512	-7.7686	-7.7355	-7.7234	-7.7025
-7.6748	-7.6579	-7.6439	-7.5708	-7.4984	-7.1963	-7.1925	-7.1720
-7.0658	-6.9669	-6.9463	-6.8981	-6.8112	-6.7445	-6.6373	-6.5569
-6.5519	-6.4813	-6.3019	-6.1803	-6.1721	-6.0558	-5.8880	-5.7513
-5.0201	-4.9699	-4.7922	-4.7358	-4.6770	-4.6711	-4.5396	-4.4423
-4.3662	-4.2833	-4.1881	-4.1783	-4.1361	-4.0387	-4.0187	-4.0175
-3.7967	-3.6218	-3.6198	-3.3796	-3.3738	-1.2525	0.7343	0.7357
0.9251	1.2719	1.2830	1.2916	1.7604	1.7877	1.8304	1.9430
1.9534	2.0384	2.0757	2.1126	2.1268	2.4924	2.5172	2.6842
2.7377	2.7419	2.7647	2.8678	2.9089	3.1509	3.1926	

k = 0.0000-0.1764 0.0000 (64791 PWs) bands (ev):

-21.6411	-21.3223	-20.7681	-20.6193	-20.5378	-20.2419	-20.2175	-20.1237
-20.0064	-20.0057	-19.9266	-19.5364	-19.5355	-19.3016	-18.7377	-18.7248
-18.3715	-18.3087	-18.2774	-18.2274	-18.1158	-17.8830	-17.4450	-17.4426
-16.7742	-16.7735	-16.2172	-16.1203	-16.1167	-15.8298	-15.8247	-14.6913
-14.6905	-14.3069	-12.8833	-12.5394	-12.5237	-12.4577	-12.4503	-12.3347
-12.1219	-12.1179	-11.6142	-11.4235	-11.2926	-11.2865	-11.2130	-10.9844
-10.9804	-10.9650	-10.7031	-10.1976	-10.1920	-10.1351	-9.8524	-9.8395
-9.8362	-9.7147	-9.5710	-9.3378	-9.2607	-9.2122	-9.1726	-9.1554
-9.1130	-8.9692	-8.7582	-8.7255	-8.5655	-8.2750	-8.1336	-8.1269
-7.9969	-7.8981	-7.8789	-7.8702	-7.7370	-7.7293	-7.7231	-7.7205
-7.6738	-7.6003	-7.5886	-7.5826	-7.5060	-7.1640	-7.1600	-7.1431
-7.0332	-6.9800	-6.9021	-6.8905	-6.7719	-6.7213	-6.6709	-6.5937
-6.5895	-6.5088	-6.3148	-6.1795	-6.1713	-6.0418	-5.8480	-5.7558
-5.0674	-5.0096	-4.8093	-4.7410	-4.7389	-4.7328	-4.5375	-4.4474
-4.3793	-4.2862	-4.2133	-4.1570	-4.1503	-4.0150	-4.0138	-3.9989
-3.8361	-3.6267	-3.6247	-3.3139	-3.3081	-1.2468	0.7469	0.7482
0.9749	1.2002	1.2197	1.2907	1.7708	1.7962	1.8496	1.9292
1.9395	2.0562	2.0724	2.1146	2.1228	2.4789	2.4998	2.6510
2.7465	2.8150	2.8381	2.8539	2.8631	3.1294	3.1850	

k = 0.0000-0.1925 0.0000 (64799 PWs) bands (ev):

-21.6354	-21.3154	-20.7951	-20.6302	-20.5438	-20.2781	-20.1962	-20.0997
-20.0210	-20.0203	-19.9030	-19.5083	-19.5074	-19.2523	-18.7686	-18.7497
-18.3710	-18.3232	-18.2760	-18.2290	-18.1012	-17.8583	-17.4999	-17.4976

-16.7677	-16.7670	-16.2873	-16.0555	-16.0518	-15.8559	-15.8510	-14.6536
-14.6527	-14.2266	-12.8851	-12.5294	-12.5245	-12.5171	-12.5097	-12.3024
-12.1713	-12.1672	-11.6460	-11.4512	-11.2516	-11.2456	-11.2350	-11.0142
-11.0102	-10.9811	-10.6674	-10.1475	-10.1416	-10.1248	-9.8793	-9.8109
-9.7692	-9.7658	-9.5814	-9.3392	-9.3012	-9.2198	-9.1935	-9.1923
-9.1050	-8.9578	-8.7643	-8.6934	-8.5607	-8.2919	-8.0965	-8.0824
-8.0309	-7.9364	-7.8996	-7.8909	-7.7386	-7.7379	-7.7218	-7.7061
-7.6892	-7.5945	-7.5341	-7.5139	-7.5103	-7.1313	-7.1268	-7.1135
-7.0010	-6.9940	-6.9062	-6.8354	-6.7306	-6.7041	-6.6968	-6.6318
-6.6280	-6.5370	-6.3284	-6.1803	-6.1721	-6.0289	-5.8080	-5.7601
-5.1150	-5.0497	-4.8279	-4.8004	-4.7941	-4.7466	-4.5351	-4.4589
-4.3888	-4.2893	-4.2408	-4.1659	-4.1358	-4.0110	-4.0099	-3.9597
-3.8782	-3.6321	-3.6301	-3.2485	-3.2426	-1.2405	0.7605	0.7617
1.0284	1.1290	1.1482	1.2992	1.7821	1.8054	1.8683	1.9143
1.9244	2.0656	2.0764	2.1183	2.1206	2.4410	2.5073	2.6202
2.7558	2.8186	2.8392	2.8880	2.9113	3.1087	3.1725	

k = 0.0000-0.2085 0.0000 (64757 PWs) bands (ev):

-21.6293	-21.3078	-20.8219	-20.6408	-20.5499	-20.3136	-20.1744	-20.0764
-20.0350	-20.0343	-19.8777	-19.4796	-19.4787	-19.2025	-18.8002	-18.7749
-18.3703	-18.3398	-18.2743	-18.2308	-18.0865	-17.8338	-17.5544	-17.5520
-16.7607	-16.7599	-16.3577	-15.9904	-15.9866	-15.8825	-15.8777	-14.6145
-14.6135	-14.1451	-12.8863	-12.5920	-12.5847	-12.5186	-12.4946	-12.2685
-12.2222	-12.2180	-11.6772	-11.4794	-11.2590	-11.2111	-11.2051	-11.0422
-11.0383	-10.9994	-10.6308	-10.1137	-10.0957	-10.0897	-9.9074	-9.9056
-9.6980	-9.6946	-9.5928	-9.3518	-9.3471	-9.2670	-9.2239	-9.1699
-9.0964	-8.9363	-8.7823	-8.6598	-8.5432	-8.3094	-8.1007	-8.0383
-8.0234	-7.9743	-7.9220	-7.9132	-7.7549	-7.7540	-7.7142	-7.7043
-7.6760	-7.6062	-7.5218	-7.4810	-7.4192	-7.0980	-7.0930	-7.0832
-7.0088	-6.9690	-6.9104	-6.7839	-6.7366	-6.6877	-6.6719	-6.6711
-6.6638	-6.5658	-6.3426	-6.1825	-6.1743	-6.0175	-5.7678	-5.7639
-5.1629	-5.0902	-4.8615	-4.8549	-4.8480	-4.7525	-4.5324	-4.4768
-4.3941	-4.2927	-4.2706	-4.1826	-4.1149	-4.0067	-4.0056	-3.9230
-3.9213	-3.6378	-3.6359	-3.1833	-3.1775	-1.2336	0.7752	0.7763
1.0583	1.0774	1.0856	1.3083	1.7944	1.8153	1.8861	1.8983
1.9081	2.0565	2.0986	2.1141	2.1288	2.4038	2.5138	2.5936
2.7609	2.7802	2.8235	2.9608	2.9844	3.0887	3.1518	

k = 0.0000-0.2245 0.0000 (64791 PWs) bands (ev):

-21.6226	-21.2997	-20.8485	-20.6510	-20.5560	-20.3485	-20.1520	-20.0536
-20.0484	-20.0477	-19.8511	-19.4504	-19.4494	-19.1521	-18.8323	-18.8002
-18.3694	-18.3578	-18.2727	-18.2327	-18.0718	-17.8097	-17.6083	-17.6060
-16.7531	-16.7522	-16.4282	-15.9252	-15.9213	-15.9090	-15.9046	-14.5741
-14.5729	-14.0626	-12.8867	-12.6602	-12.6530	-12.5070	-12.4784	-12.2743
-12.2700	-12.2331	-11.7075	-11.5078	-11.2845	-11.1710	-11.1650	-11.0685
-11.0647	-11.0196	-10.5936	-10.1020	-10.0428	-10.0365	-10.0041	-9.9313
-9.6261	-9.6226	-9.6048	-9.4074	-9.3664	-9.3140	-9.2420	-9.1456
-9.0872	-8.9093	-8.8080	-8.6256	-8.5172	-8.3266	-8.1363	-8.0118
-7.9943	-7.9849	-7.9459	-7.9372	-7.7708	-7.7696	-7.7186	-7.7060
-7.6479	-7.6178	-7.5291	-7.4297	-7.3282	-7.0644	-7.0585	-7.0522
-7.0241	-6.9372	-6.9147	-6.7685	-6.7548	-6.7143	-6.6775	-6.6448
-6.6435	-6.5953	-6.3570	-6.1861	-6.1779	-6.0075	-5.7670	-5.7277
-5.2109	-5.1309	-4.9222	-4.9152	-4.8696	-4.7587	-4.5294	-4.4998
-4.3966	-4.3026	-4.2963	-4.2006	-4.0945	-4.0021	-4.0010	-3.9701
-3.8838	-3.6439	-3.6421	-3.1186	-3.1127	-1.2263	0.7909	0.7919
0.9882	1.0071	1.1461	1.3181	1.8074	1.8260	1.8812	1.8907
1.9022	2.0462	2.1095	2.1223	2.1391	2.3673	2.5167	2.5747
2.7281	2.7815	2.8070	3.0335	3.0572	3.0695	3.1208	

k = 0.0000-0.2406 0.0000 (64785 PWs) bands (ev):

-21.6155	-21.2909	-20.8747	-20.6608	-20.5620	-20.3829	-20.1292	-20.0612
-20.0605	-20.0313	-19.8233	-19.4206	-19.4196	-19.1012	-18.8648	-18.8257
-18.3770	-18.3682	-18.2713	-18.2346	-18.0572	-17.7860	-17.6617	-17.6595
-16.7449	-16.7440	-16.4987	-15.9364	-15.9320	-15.8592	-15.8553	-14.5326
-14.5313	-13.9793	-12.8864	-12.7291	-12.7220	-12.4947	-12.4613	-12.3274
-12.3231	-12.1965	-11.7370	-11.5363	-11.3112	-11.1314	-11.1254	-11.0931
-11.0893	-11.0417	-10.5559	-10.1008	-10.0902	-9.9888	-9.9824	-9.9563
-9.6170	-9.5536	-9.5500	-9.4652	-9.3971	-9.3608	-9.2476	-9.1200
-9.0772	-8.8797	-8.8379	-8.5913	-8.4862	-8.3429	-8.1758	-8.0488
-7.9719	-7.9631	-7.9503	-7.9423	-7.7861	-7.7847	-7.7323	-7.6971
-7.6290	-7.6234	-7.5337	-7.3807	-7.2375	-7.0396	-7.0306	-7.0234
-7.0206	-6.9190	-6.9053	-6.7993	-6.7772	-6.7586	-6.6407	-6.6256
-6.6183	-6.5981	-6.3710	-6.1910	-6.1829	-5.9993	-5.7693	-5.6876
-5.2589	-5.1718	-4.9824	-4.9748	-4.8927	-4.7652	-4.5263	-4.5262
-4.3976	-4.3369	-4.3002	-4.2198	-4.0748	-4.0195	-3.9971	-3.9960
-3.8472	-3.6504	-3.6486	-3.0543	-3.0484	-1.2184	0.8076	0.8086
0.9188	0.9376	1.2097	1.3285	1.8213	1.8372	1.8630	1.8723
1.9165	2.0351	2.1048	2.1449	2.1526	2.3316	2.5123	2.5681
2.6868	2.7896	2.7931	3.0500	3.0832	3.1061	3.1301	

k = 0.0000-0.2566 0.0000 (64785 PWs) bands (ev):

-21.6080	-21.2816	-20.9006	-20.6703	-20.5680	-20.4167	-20.1058	-20.0734
-20.0728	-20.0095	-19.7944	-19.3901	-19.3892	-19.0497	-18.8976	-18.8511
-18.3973	-18.3669	-18.2700	-18.2367	-18.0429	-17.7629	-17.7146	-17.7124
-16.7361	-16.7351	-16.5692	-15.9634	-15.9591	-15.7933	-15.7893	-14.4900
-14.4886	-13.8951	-12.8853	-12.7985	-12.7915	-12.4816	-12.4432	-12.3813
-12.3769	-12.1588	-11.7656	-11.5646	-11.3390	-11.1170	-11.1132	-11.0911
-11.0854	-11.0652	-10.5179	-10.1975	-10.0793	-9.9802	-9.9339	-9.9273
-9.6293	-9.5231	-9.4805	-9.4768	-9.4348	-9.4074	-9.2452	-9.0939
-9.0666	-8.8695	-8.8491	-8.5580	-8.4521	-8.3568	-8.2156	-8.0853
-7.9989	-7.9902	-7.9073	-7.8998	-7.8006	-7.7991	-7.7455	-7.6876
-7.6400	-7.6067	-7.5318	-7.3349	-7.1473	-7.0548	-6.9974	-6.9885
-6.9875	-6.9233	-6.8734	-6.8286	-6.8180	-6.8046	-6.6565	-6.5926
-6.5864	-6.5519	-6.3836	-6.1972	-6.1891	-5.9930	-5.7704	-5.6477
-5.3069	-5.2128	-5.0421	-5.0338	-4.9172	-4.7720	-4.5554	-4.5229
-4.3977	-4.3733	-4.3042	-4.2402	-4.0708	-4.0559	-3.9918	-3.9908
-3.8116	-3.6573	-3.6555	-2.9906	-2.9847	-1.2100	0.8253	0.8261
0.8503	0.8689	1.2763	1.3396	1.8360	1.8438	1.8491	1.8529
1.9286	2.0237	2.1000	2.1601	2.1742	2.2969	2.5035	2.5724
2.6460	2.7714	2.8062	3.0277	3.0468	3.1452	3.1636	

k = 0.0000-0.2726 0.0000 (64781 PWs) bands (ev):

-21.5999	-21.2716	-20.9261	-20.6793	-20.5738	-20.4499	-20.0850	-20.0844
-20.0821	-19.9881	-19.7647	-19.3592	-19.3582	-18.9976	-18.9306	-18.8765
-18.4187	-18.3654	-18.2690	-18.2388	-18.0290	-17.7670	-17.7649	-17.7404
-16.7268	-16.7258	-16.6394	-15.9904	-15.9863	-15.7272	-15.7230	-14.4465
-14.4449	-13.8103	-12.8836	-12.8683	-12.8614	-12.4679	-12.4359	-12.4315
-12.4241	-12.1201	-11.7931	-11.5926	-11.3675	-11.1385	-11.1347	-11.0900
-11.0521	-11.0463	-10.4798	-10.2942	-10.0717	-10.0015	-9.8784	-9.8717
-9.6416	-9.5797	-9.4760	-9.4539	-9.4070	-9.4032	-9.2383	-9.0687
-9.0553	-8.9006	-8.8189	-8.5273	-8.4164	-8.3664	-8.2552	-8.1213
-8.0277	-8.0190	-7.8648	-7.8576	-7.8145	-7.8128	-7.7580	-7.6775
-7.6506	-7.6016	-7.5193	-7.2936	-7.0683	-7.0577	-6.9668	-6.9557
-6.9511	-6.9275	-6.8636	-6.8542	-6.8520	-6.8414	-6.6881	-6.5694
-6.5284	-6.5049	-6.3929	-6.2046	-6.1966	-5.9887	-5.7703	-5.6081
-5.3550	-5.2539	-5.1014	-5.0920	-4.9431	-4.7789	-4.5867	-4.5193
-4.4118	-4.3975	-4.3084	-4.2616	-4.1240	-4.0378	-3.9863	-3.9852
-3.7771	-3.6645	-3.6627	-2.9276	-2.9216	-1.2012	0.7825	0.8011
0.8440	0.8448	1.3458	1.3514	1.8236	1.8324	1.8515	1.8615

1.9382	2.0121	2.0951	2.1735	2.1967	2.2633	2.4977	2.5820
2.6063	2.7524	2.8202	2.9928	3.0228	3.1329	3.1499	

k = 0.0000-0.2887 0.0000 (64717 PWs) bands (ev):

-21.5914	-21.2611	-20.9513	-20.6879	-20.5794	-20.4825	-20.0961	-20.0954
-20.0578	-19.9669	-19.7343	-19.3276	-19.3266	-18.9638	-18.9450	-18.9017
-18.4409	-18.3638	-18.2681	-18.2410	-18.0154	-17.8189	-17.8168	-17.7186
-16.7170	-16.7159	-16.7095	-16.0173	-16.0134	-15.6608	-15.6567	-14.4021
-14.4004	-13.7248	-12.9384	-12.9317	-12.8811	-12.4910	-12.4867	-12.4534
-12.4043	-12.0808	-11.8196	-11.6198	-11.3967	-11.1588	-11.1551	-11.1158
-11.0131	-11.0072	-10.4414	-10.3909	-10.0735	-10.0152	-9.8223	-9.8154
-9.6536	-9.6335	-9.5190	-9.5001	-9.3330	-9.3291	-9.2287	-9.0478
-9.0433	-8.9275	-8.7902	-8.5020	-8.3795	-8.3684	-8.2942	-8.1568
-8.0580	-8.0493	-7.8278	-7.8262	-7.8227	-7.8160	-7.7700	-7.6669
-7.6608	-7.6056	-7.4988	-7.2589	-7.0782	-6.9686	-6.9465	-6.9317
-6.9223	-6.9145	-6.9112	-6.9012	-6.8680	-6.8092	-6.7203	-6.5518
-6.4690	-6.4574	-6.3958	-6.2131	-6.2051	-5.9864	-5.7688	-5.5690
-5.4029	-5.2948	-5.1602	-5.1491	-4.9703	-4.7860	-4.6198	-4.5156
-4.4524	-4.3970	-4.3129	-4.2842	-4.1788	-4.0205	-3.9804	-3.9794
-3.7439	-3.6719	-3.6703	-2.8654	-2.8594	-1.1920	0.7159	0.7343
0.8635	0.8643	1.3636	1.4178	1.8026	1.8110	1.8677	1.8741
1.9449	2.0007	2.0903	2.1872	2.2162	2.2309	2.4993	2.5670
2.5947	2.7326	2.8350	2.9519	3.0057	3.1212	3.1364	

k = 0.0000-0.3047 0.0000 (64781 PWs) bands (ev):

-21.5824	-21.2499	-20.9760	-20.6961	-20.5849	-20.5145	-20.1065	-20.1059
-20.0332	-19.9461	-19.7034	-19.2955	-19.2945	-18.9972	-18.9268	-18.8919
-18.4640	-18.3621	-18.2673	-18.2432	-18.0024	-17.8703	-17.8682	-17.6977
-16.7794	-16.7065	-16.7054	-16.0441	-16.0403	-15.5944	-15.5901	-14.3569
-14.3551	-13.6386	-13.0088	-13.0022	-12.8780	-12.5466	-12.5423	-12.4384
-12.3837	-12.0412	-11.8450	-11.6460	-11.4263	-11.1777	-11.1740	-11.1423
-10.9741	-10.9682	-10.4875	-10.4031	-10.0904	-10.0170	-9.7658	-9.7588
-9.6832	-9.6653	-9.5627	-9.5462	-9.2588	-9.2548	-9.2173	-9.0403
-9.0307	-8.9410	-8.7642	-8.4848	-8.3591	-8.3423	-8.3326	-8.1917
-8.0898	-8.0812	-7.8401	-7.8383	-7.7820	-7.7813	-7.7753	-7.6706
-7.6556	-7.6140	-7.4748	-7.2348	-7.0807	-6.9616	-6.9525	-6.9503
-6.9357	-6.8884	-6.8803	-6.8761	-6.8564	-6.7769	-6.7533	-6.5435
-6.4096	-6.4087	-6.3888	-6.2225	-6.2147	-5.9861	-5.7660	-5.5310
-5.4508	-5.3356	-5.2185	-5.2047	-4.9989	-4.7932	-4.6545	-4.5116
-4.4951	-4.3964	-4.3175	-4.3079	-4.2352	-4.0042	-3.9742	-3.9733
-3.7119	-3.6797	-3.6781	-2.8041	-2.7981	-1.1826	0.6505	0.6688
0.8839	0.8847	1.3765	1.4924	1.7806	1.7888	1.8846	1.8865
1.9484	1.9900	2.0855	2.1998	2.2012	2.2318	2.5100	2.5297
2.6083	2.7121	2.8506	2.9102	2.9905	3.1102	3.1229	

k = 0.0000-0.3208 0.0000 (64755 PWs) bands (ev):

-21.5730	-21.2382	-21.0004	-20.7038	-20.5902	-20.5459	-20.1163	-20.1157
-20.0081	-19.9254	-19.6722	-19.2628	-19.2618	-19.0306	-18.9515	-18.8382
-18.4878	-18.3603	-18.2666	-18.2455	-17.9899	-17.9212	-17.9191	-17.6776
-16.8489	-16.6955	-16.6944	-16.0707	-16.0670	-15.5279	-15.5235	-14.3109
-14.3090	-13.5519	-13.0793	-13.0728	-12.8743	-12.6025	-12.5982	-12.4228
-12.3625	-12.0018	-11.8691	-11.6706	-11.4563	-11.1953	-11.1917	-11.1692
-10.9352	-10.9292	-10.5839	-10.3647	-10.1180	-10.0129	-9.7267	-9.7090
-9.7020	-9.6765	-9.6069	-9.5920	-9.2048	-9.1842	-9.1800	-9.0546
-9.0174	-8.9325	-8.7423	-8.4748	-8.3704	-8.3383	-8.3050	-8.2260
-8.1231	-8.1144	-7.8519	-7.8500	-7.7920	-7.7421	-7.7354	-7.6799
-7.6438	-7.6241	-7.4500	-7.2251	-7.0718	-7.0131	-7.0041	-6.9719
-6.9397	-6.8539	-6.8380	-6.8269	-6.7922	-6.7868	-6.7443	-6.5455
-6.3705	-6.3614	-6.3478	-6.2328	-6.2251	-5.9875	-5.7619	-5.4985

-5.4953	-5.3760	-5.2763	-5.2574	-5.0287	-4.8005	-4.6907	-4.5398
-4.5075	-4.3957	-4.3326	-4.3222	-4.2929	-3.9888	-3.9678	-3.9669
-3.6877	-3.6861	-3.6812	-2.7439	-2.7379	-1.1729	0.5864	0.6046
0.9052	0.9059	1.3899	1.5692	1.7578	1.7657	1.8979	1.9022
1.9486	1.9811	2.0807	2.1701	2.2155	2.2442	2.4933	2.5302
2.6232	2.6910	2.8643	2.8714	2.9765	3.0997	3.1092	

k = 0.0000-0.3368 0.0000 (64755 PWs) bands (ev):

-21.5631	-21.2258	-21.0243	-20.7111	-20.5952	-20.5768	-20.1256	-20.1249
-19.9826	-19.9050	-19.6409	-19.2295	-19.2285	-19.0640	-18.9760	-18.7839
-18.5123	-18.3584	-18.2661	-18.2479	-17.9780	-17.9715	-17.9695	-17.6584
-16.9181	-16.6840	-16.6828	-16.0970	-16.0934	-15.4613	-15.4569	-14.2642
-14.2621	-13.4647	-13.1497	-13.1434	-12.8700	-12.6587	-12.6544	-12.4066
-12.3406	-11.9638	-11.8920	-11.6926	-11.4864	-11.2117	-11.2081	-11.1961
-10.8963	-10.8903	-10.6803	-10.3263	-10.1521	-10.0091	-9.7622	-9.6872
-9.6530	-9.6509	-9.6443	-9.6375	-9.1908	-9.1096	-9.1053	-9.0829
-9.0035	-8.9100	-8.7261	-8.4671	-8.4076	-8.3098	-8.2682	-8.2598
-8.1578	-8.1492	-7.8629	-7.8610	-7.8021	-7.7031	-7.6967	-7.6887
-7.6347	-7.6313	-7.4253	-7.2291	-7.0662	-7.0575	-7.0526	-6.9979
-6.9436	-6.8211	-6.8186	-6.7990	-6.7914	-6.7116	-6.7051	-6.5554
-6.3433	-6.3132	-6.2863	-6.2439	-6.2363	-5.9905	-5.7569	-5.5460
-5.4658	-5.4161	-5.3336	-5.3035	-5.0599	-4.8077	-4.7281	-4.5864
-4.5032	-4.3951	-4.3583	-4.3519	-4.3271	-3.9744	-3.9611	-3.9602
-3.6959	-3.6944	-3.6520	-2.6851	-2.6790	-1.1631	0.5238	0.5419
0.9272	0.9279	1.4038	1.6481	1.7343	1.7419	1.9065	1.9202
1.9450	1.9761	2.0761	2.1419	2.2292	2.2553	2.4586	2.5573
2.6390	2.6692	2.8273	2.8846	2.9637	3.0899	3.0942	

k = 0.0000-0.3528 0.0000 (64806 PWs) bands (ev):

-21.5528	-21.2128	-21.0478	-20.7179	-20.6070	-20.6000	-20.1342	-20.1336
-19.9567	-19.8849	-19.6095	-19.1957	-19.1946	-19.0975	-18.9999	-18.7292
-18.5374	-18.3564	-18.2656	-18.2502	-18.0213	-18.0194	-17.9667	-17.6402
-16.9870	-16.6719	-16.6706	-16.1231	-16.1196	-15.3949	-15.3904	-14.2168
-14.2146	-13.3769	-13.2201	-13.2139	-12.8652	-12.7151	-12.7108	-12.3901
-12.3183	-11.9287	-11.9135	-11.7106	-11.5165	-11.2268	-11.2233	-11.2226
-10.8574	-10.8514	-10.7766	-10.2881	-10.1917	-10.0085	-9.7880	-9.6973
-9.6957	-9.6830	-9.5949	-9.5876	-9.1759	-9.1166	-9.0349	-9.0304
-8.9889	-8.8822	-8.7166	-8.4572	-8.4441	-8.2930	-8.2773	-8.2323
-8.1939	-8.1853	-7.8733	-7.8713	-7.8115	-7.6971	-7.6654	-7.6591
-7.6448	-7.6181	-7.4012	-7.2419	-7.1208	-7.1124	-7.0276	-7.0251
-6.9474	-6.8555	-6.7832	-6.7594	-6.7536	-6.6788	-6.6188	-6.5701
-6.3103	-6.2652	-6.2556	-6.2483	-6.2241	-5.9948	-5.7510	-5.5934
-5.4557	-5.4548	-5.3904	-5.3306	-5.0922	-4.8149	-4.7666	-4.6350
-4.4988	-4.4119	-4.3944	-4.3850	-4.3322	-3.9610	-3.9541	-3.9532
-3.7044	-3.7030	-3.6243	-2.6276	-2.6216	-1.1532	0.4629	0.4809
0.9500	0.9507	1.4182	1.7099	1.7173	1.7293	1.9097	1.9380
1.9385	1.9774	2.0716	2.1155	2.2417	2.2672	2.4255	2.5893
2.6469	2.6557	2.7873	2.9019	2.9522	3.0748	3.0810	

k = 0.0000-0.3689 0.0000 (64796 PWs) bands (ev):

-21.5421	-21.1993	-21.0708	-20.7242	-20.6367	-20.6045	-20.1423	-20.1417
-19.9304	-19.8650	-19.5782	-19.1613	-19.1602	-19.1308	-19.0233	-18.6738
-18.5628	-18.3544	-18.2651	-18.2526	-18.0706	-18.0687	-17.9561	-17.6230
-17.0555	-16.6593	-16.6579	-16.1488	-16.1454	-15.3286	-15.3240	-14.1688
-14.1665	-13.2913	-13.2880	-13.2838	-12.8600	-12.7716	-12.7673	-12.3731
-12.2957	-11.9335	-11.8997	-11.7216	-11.5466	-11.2480	-11.2407	-11.2373
-10.8728	-10.8184	-10.8124	-10.2500	-10.2362	-10.0122	-9.8034	-9.7400
-9.7281	-9.7067	-9.5378	-9.5304	-9.1600	-9.1523	-8.9737	-8.9601
-8.9556	-8.8526	-8.7138	-8.4799	-8.4428	-8.3255	-8.2431	-8.2313

-8.2227	-8.1979	-7.8829	-7.8809	-7.8203	-7.7049	-7.6539	-7.6289
-7.6230	-7.6043	-7.3782	-7.2597	-7.1767	-7.1686	-7.0525	-7.0007
-6.9514	-6.8903	-6.7470	-6.7193	-6.7144	-6.6459	-6.5875	-6.5332
-6.2735	-6.2678	-6.2606	-6.2175	-6.1618	-6.0001	-5.7446	-5.6405
-5.4944	-5.4772	-5.4466	-5.3238	-5.1257	-4.8220	-4.8061	-4.6855
-4.4942	-4.4730	-4.4127	-4.3938	-4.3373	-3.9485	-3.9469	-3.9461
-3.7131	-3.7117	-3.5982	-2.5719	-2.5659	-1.1434	0.4039	0.4218
0.9735	0.9743	1.4329	1.6851	1.6921	1.8120	1.9066	1.9282
1.9569	1.9858	2.0672	2.0911	2.2530	2.2809	2.3946	2.6233
2.6241	2.6731	2.7482	2.9182	2.9435	3.0477	3.0725	

k = 0.0000-0.3849 0.0000 (64790 PWs) bands (ev):

-21.5309	-21.1851	-21.0934	-20.7301	-20.6658	-20.6087	-20.1497	-20.1491
-19.9037	-19.8455	-19.5474	-19.1641	-19.1263	-19.1252	-19.0460	-18.6180
-18.5886	-18.3524	-18.2647	-18.2550	-18.1194	-18.1175	-17.9461	-17.6068
-17.1236	-16.6461	-16.6447	-16.1742	-16.1709	-15.2625	-15.2578	-14.1202
-14.1177	-13.3599	-13.3540	-13.1999	-12.8545	-12.8281	-12.8239	-12.3559
-12.2728	-11.9521	-11.8812	-11.7217	-11.5764	-11.2716	-11.2535	-11.2501
-10.9687	-10.7794	-10.7733	-10.2852	-10.2122	-10.0196	-9.8096	-9.7842
-9.7730	-9.7155	-9.4807	-9.4732	-9.1888	-9.1433	-8.9578	-8.8854
-8.8807	-8.8222	-8.7169	-8.5150	-8.4240	-8.3575	-8.2701	-8.2615
-8.2085	-8.1657	-7.8919	-7.8899	-7.8284	-7.7121	-7.6611	-7.5945
-7.5912	-7.5864	-7.3563	-7.2802	-7.2339	-7.2260	-7.0799	-6.9742
-6.9565	-6.9242	-6.7104	-6.6785	-6.6743	-6.6130	-6.6062	-6.4485
-6.2802	-6.2733	-6.2342	-6.1705	-6.0990	-6.0061	-5.7378	-5.6874
-5.5322	-5.5202	-5.5023	-5.2960	-5.1602	-4.8464	-4.8289	-4.7378
-4.5348	-4.4895	-4.4412	-4.3931	-4.3426	-3.9394	-3.9386	-3.9370
-3.7220	-3.7206	-3.5737	-2.5182	-2.5122	-1.1337	0.3471	0.3650
0.9976	0.9986	1.4479	1.6595	1.6662	1.8944	1.9013	1.9165
1.9745	1.9992	2.0629	2.0699	2.2636	2.2952	2.3672	2.6010
2.6555	2.6900	2.7130	2.9231	2.9477	3.0145	3.0647	

k = 0.0000-0.4009 0.0000 (64796 PWs) bands (ev):

-21.5194	-21.1704	-21.1154	-20.7356	-20.6942	-20.6126	-20.1566	-20.1560
-19.8766	-19.8263	-19.5170	-19.1973	-19.0907	-19.0896	-19.0678	-18.6146
-18.5616	-18.3503	-18.2644	-18.2574	-18.1676	-18.1658	-17.9369	-17.5918
-17.1913	-16.6324	-16.6309	-16.1992	-16.1961	-15.1969	-15.1922	-14.0709
-14.0684	-13.4290	-13.4233	-13.1108	-12.8847	-12.8805	-12.8487	-12.3386
-12.2499	-11.9690	-11.8758	-11.7092	-11.6058	-11.2923	-11.2651	-11.2618
-11.0646	-10.7403	-10.7341	-10.3379	-10.1748	-10.0295	-9.8283	-9.8176
-9.8088	-9.7236	-9.4237	-9.4162	-9.2257	-9.1258	-8.9414	-8.8107
-8.8059	-8.7920	-8.7244	-8.5495	-8.4017	-8.3887	-8.3101	-8.3015
-8.1742	-8.1363	-7.9001	-7.8981	-7.8359	-7.7189	-7.6655	-7.5760
-7.5602	-7.5544	-7.3360	-7.3022	-7.2925	-7.2848	-7.1069	-6.9708
-6.9491	-6.9488	-6.6732	-6.6372	-6.6334	-6.6255	-6.5801	-6.3647
-6.2927	-6.2860	-6.1931	-6.1246	-6.0358	-6.0125	-5.7340	-5.7309
-5.5698	-5.5686	-5.5574	-5.2612	-5.1957	-4.8873	-4.8356	-4.7919
-4.5975	-4.4847	-4.4706	-4.3926	-4.3479	-3.9317	-3.9310	-3.9265
-3.7310	-3.7297	-3.5508	-2.4666	-2.4607	-1.1243	0.2928	0.3107
1.0224	1.0235	1.4632	1.6334	1.6398	1.8891	1.9034	1.9831
1.9889	2.0157	2.0534	2.0594	2.2739	2.3044	2.3489	2.5774
2.6624	2.6920	2.7170	2.9160	2.9640	2.9802	3.0575	

k = 0.0000-0.4170 0.0000 (64802 PWs) bands (ev):

-21.5075	-21.1550	-21.1369	-20.7406	-20.7221	-20.6162	-20.1629	-20.1622
-19.8492	-19.8077	-19.4875	-19.2304	-19.0885	-19.0546	-19.0535	-18.6405
-18.5046	-18.3482	-18.2641	-18.2598	-18.2153	-18.2135	-17.9285	-17.5780
-17.2586	-16.6181	-16.6165	-16.2238	-16.2208	-15.1320	-15.1271	-14.0212
-14.0185	-13.4972	-13.4917	-13.0213	-12.9412	-12.9371	-12.8428	-12.3214

-12.2271	-11.9842	-11.8805	-11.6881	-11.6347	-11.3085	-11.2757	-11.2724
-11.1602	-10.7010	-10.6948	-10.3935	-10.1377	-10.0402	-9.8722	-9.8619
-9.8033	-9.7308	-9.3670	-9.3594	-9.2626	-9.1075	-8.9244	-8.7623
-8.7363	-8.7347	-8.7313	-8.5832	-8.4192	-8.3773	-8.3513	-8.3428
-8.1407	-8.1107	-7.9076	-7.9056	-7.8428	-7.7250	-7.6663	-7.5604
-7.5286	-7.5231	-7.3522	-7.3447	-7.3250	-7.3174	-7.1336	-7.0024
-6.9563	-6.9256	-6.6448	-6.6355	-6.5954	-6.5918	-6.5474	-6.3051
-6.2988	-6.2817	-6.1508	-6.0802	-6.0191	-5.9723	-5.7803	-5.7241
-5.6215	-5.6119	-5.6030	-5.2322	-5.2240	-4.9287	-4.8476	-4.8419
-4.6607	-4.5009	-4.4798	-4.3920	-4.3532	-3.9238	-3.9231	-3.9169
-3.7401	-3.7389	-3.5298	-2.4176	-2.4117	-1.1152	0.2413	0.2591
1.0478	1.0490	1.4787	1.6068	1.6129	1.8783	1.8894	1.9939
2.0337	2.0489	2.0557	2.0710	2.2812	2.2988	2.3521	2.5537
2.6291	2.7107	2.7416	2.9073	2.9417	2.9875	3.0510	

k = 0.0000-0.4330 0.0000 (64802 PWs) bands (ev):

-21.4953	-21.1579	-21.1390	-20.7494	-20.7451	-20.6195	-20.1685	-20.1679
-19.8215	-19.7897	-19.4591	-19.2633	-19.1079	-19.0179	-19.0167	-18.6663
-18.4472	-18.3462	-18.2638	-18.2624	-18.2620	-18.2607	-17.9207	-17.5653
-17.3255	-16.6033	-16.6017	-16.2481	-16.2451	-15.0679	-15.0630	-13.9709
-13.9681	-13.5642	-13.5589	-12.9977	-12.9936	-12.9312	-12.8370	-12.3043
-12.2049	-11.9975	-11.8904	-11.6652	-11.6629	-11.3181	-11.2853	-11.2819
-11.2556	-10.6617	-10.6553	-10.4512	-10.1014	-10.0508	-9.9159	-9.9060
-9.7951	-9.7373	-9.3104	-9.3028	-9.2993	-9.0883	-8.9069	-8.7467
-8.7334	-8.6622	-8.6570	-8.6160	-8.4490	-8.3937	-8.3852	-8.3520
-8.1085	-8.0895	-7.9144	-7.9124	-7.8490	-7.7306	-7.6625	-7.5444
-7.4990	-7.4938	-7.4130	-7.4057	-7.3479	-7.3010	-7.1599	-7.0373
-6.9599	-6.9044	-6.6637	-6.5974	-6.5533	-6.5498	-6.5150	-6.3170
-6.3110	-6.2000	-6.1076	-6.0384	-6.0257	-5.9085	-5.8263	-5.7175
-5.6737	-5.6657	-5.6347	-5.2694	-5.1856	-4.9704	-4.9051	-4.8479
-4.7245	-4.5319	-4.4748	-4.3915	-4.3586	-3.9157	-3.9150	-3.9083
-3.7494	-3.7483	-3.5105	-2.3715	-2.3656	-1.1067	0.1929	0.2107
1.0737	1.0751	1.4942	1.5797	1.5855	1.8670	1.8753	1.9862
2.0520	2.0532	2.0595	2.1599	2.2702	2.3021	2.3688	2.5297
2.5932	2.7261	2.7676	2.8953	2.9101	3.0092	3.0451	

k = 0.0000-0.4491 0.0000 (64836 PWs) bands (ev):

-21.4828	-21.1781	-21.1225	-20.7761	-20.7491	-20.6225	-20.1736	-20.1730
-19.7934	-19.7725	-19.4323	-19.2960	-19.1255	-18.9807	-18.9795	-18.6916
-18.3892	-18.3443	-18.3091	-18.3074	-18.2643	-18.2636	-17.9138	-17.5539
-17.3919	-16.5879	-16.5862	-16.2719	-16.2690	-15.0052	-15.0001	-13.9200
-13.9172	-13.6297	-13.6247	-13.0540	-13.0500	-12.8409	-12.8312	-12.2878
-12.1834	-12.0089	-11.9019	-11.6902	-11.6459	-11.3511	-11.3187	-11.2935
-11.2903	-10.6221	-10.6157	-10.5103	-10.0658	-10.0606	-9.9593	-9.9499
-9.7856	-9.7428	-9.3355	-9.2542	-9.2465	-9.0684	-8.8889	-8.7592
-8.7059	-8.6489	-8.5877	-8.5828	-8.4780	-8.4372	-8.4288	-8.3268
-8.0779	-8.0732	-7.9206	-7.9185	-7.8545	-7.7356	-7.6535	-7.5278
-7.4759	-7.4708	-7.4690	-7.4652	-7.3707	-7.2875	-7.1856	-7.0720
-6.9627	-6.8855	-6.6816	-6.5588	-6.5109	-6.5076	-6.4831	-6.3281
-6.3225	-6.1195	-6.0639	-6.0322	-6.0005	-5.8720	-5.8445	-5.7259
-5.7187	-5.7112	-5.6622	-5.3073	-5.1470	-5.0120	-4.9641	-4.8534
-4.7888	-4.5637	-4.4699	-4.3910	-4.3640	-3.9074	-3.9067	-3.9007
-3.7588	-3.7577	-3.4931	-2.3286	-2.3228	-1.0987	0.1480	0.1657
1.1001	1.1017	1.5095	1.5522	1.5577	1.8555	1.8616	1.9735
2.0490	2.0733	2.0768	2.2419	2.2595	2.3130	2.3895	2.5056
2.5578	2.7369	2.7925	2.8665	2.8964	3.0322	3.0399	

k = 0.0000-0.4651 0.0000 (64846 PWs) bands (ev):

-21.4702	-21.1977	-21.1053	-20.8022	-20.7527	-20.6251	-20.1781	-20.1775
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-19.7651	-19.7563	-19.4075	-19.3285	-19.1411	-18.9429	-18.9416	-18.7161
-18.3552	-18.3535	-18.3424	-18.3307	-18.2663	-18.2634	-17.9076	-17.5438
-17.4579	-16.5720	-16.5703	-16.2953	-16.2925	-14.9442	-14.9390	-13.8687
-13.8658	-13.6932	-13.6884	-13.1103	-13.1063	-12.8257	-12.7501	-12.2721
-12.1632	-12.0182	-11.9130	-11.7162	-11.6339	-11.4462	-11.3082	-11.3009
-11.2978	-10.5824	-10.5759	-10.5703	-10.0694	-10.0314	-10.0026	-9.9935
-9.7757	-9.7473	-9.3709	-9.1984	-9.1906	-9.0477	-8.8704	-8.7716
-8.6804	-8.6799	-8.5143	-8.5093	-8.5062	-8.4818	-8.4732	-8.3025
-8.0621	-8.0492	-7.9260	-7.9239	-7.8595	-7.7401	-7.6390	-7.5380
-7.5310	-7.5105	-7.4463	-7.4420	-7.3928	-7.2777	-7.2109	-7.1050
-6.9651	-6.8691	-6.6983	-6.5197	-6.4690	-6.4657	-6.4521	-6.3375
-6.3324	-6.0408	-6.0383	-6.0200	-5.9687	-5.9172	-5.7804	-5.7779
-5.7704	-5.7054	-5.6834	-5.3457	-5.1082	-5.0531	-5.0245	-4.8585
-4.8534	-4.5963	-4.4649	-4.3906	-4.3694	-3.8989	-3.8982	-3.8939
-3.7683	-3.7672	-3.4777	-2.2894	-2.2836	-1.0913	0.1069	0.1247
1.1270	1.1288	1.5243	1.5245	1.5296	1.8442	1.8485	1.9602
2.0462	2.0935	2.0967	2.2316	2.3248	2.3435	2.4119	2.4818
2.5235	2.7431	2.8162	2.8332	2.8893	3.0351	3.0563	

k = 0.0000-0.4811 0.0000 (64832 PWs) bands (ev):

-21.4574	-21.2164	-21.0876	-20.8277	-20.7558	-20.6274	-20.1819	-20.1813
-19.7413	-19.7364	-19.3853	-19.3607	-19.1542	-18.9045	-18.9032	-18.7395
-18.4007	-18.3991	-18.3407	-18.2716	-18.2683	-18.2632	-17.9023	-17.5349
-17.5234	-16.5556	-16.5538	-16.3182	-16.3155	-14.8857	-14.8804	-13.8170
-13.8140	-13.7538	-13.7493	-13.1663	-13.1624	-12.8205	-12.6590	-12.2576
-12.1447	-12.0253	-11.9226	-11.7408	-11.6300	-11.5410	-11.3073	-11.3042
-11.2862	-10.6306	-10.5425	-10.5359	-10.0771	-10.0456	-10.0368	-9.9985
-9.7660	-9.7506	-9.4052	-9.1430	-9.1351	-9.0262	-8.8517	-8.7834
-8.7113	-8.6560	-8.5333	-8.5277	-8.5194	-8.4409	-8.4355	-8.2798
-8.0555	-8.0230	-7.9308	-7.9287	-7.8637	-7.7440	-7.6193	-7.6019
-7.5950	-7.4929	-7.4238	-7.4200	-7.4137	-7.2738	-7.2357	-7.1343
-6.9672	-6.8551	-6.7133	-6.4803	-6.4293	-6.4259	-6.4222	-6.3431
-6.3386	-6.0438	-5.9764	-5.9659	-5.9621	-5.9458	-5.8294	-5.8190
-5.7162	-5.7003	-5.6956	-5.3843	-5.0932	-5.0863	-5.0694	-4.9183
-4.8630	-4.6295	-4.4600	-4.3902	-4.3746	-3.8902	-3.8895	-3.8881
-3.7778	-3.7767	-3.4642	-2.2543	-2.2485	-1.0847	0.0702	0.0880
1.1543	1.1563	1.4962	1.5011	1.5389	1.8333	1.8366	1.9481
2.0438	2.1129	2.1175	2.2175	2.3363	2.4329	2.4365	2.4583
2.4921	2.7441	2.8001	2.8409	2.8837	3.0311	3.0812	

k = 0.0000-0.4972 0.0000 (64826 PWs) bands (ev):

-21.4448	-21.2340	-21.0692	-20.8527	-20.7584	-20.6294	-20.1852	-20.1846
-19.7278	-19.7076	-19.3925	-19.3664	-19.1642	-18.8656	-18.8643	-18.7611
-18.4457	-18.4441	-18.3391	-18.2700	-18.2631	-18.2121	-17.8977	-17.5885
-17.5273	-16.5386	-16.5368	-16.3407	-16.3381	-14.8306	-14.8253	-13.8106
-13.8066	-13.7647	-13.7616	-13.2221	-13.2183	-12.8159	-12.5675	-12.2446
-12.1285	-12.0303	-11.9301	-11.7634	-11.6357	-11.6328	-11.3127	-11.3095
-11.2543	-10.6907	-10.5024	-10.4956	-10.0884	-10.0835	-10.0798	-9.9679
-9.7571	-9.7527	-9.4378	-9.0880	-9.0801	-9.0040	-8.8328	-8.7940
-8.7415	-8.6345	-8.5744	-8.5661	-8.5593	-8.3682	-8.3627	-8.2593
-8.0527	-7.9995	-7.9350	-7.9330	-7.8673	-7.7472	-7.6666	-7.6598
-7.5949	-7.4746	-7.4331	-7.4042	-7.4009	-7.2788	-7.2600	-7.1565
-6.9690	-6.8437	-6.7263	-6.4406	-6.3989	-6.3952	-6.3941	-6.3377
-6.3341	-6.0487	-6.0064	-5.9342	-5.9335	-5.9146	-5.8805	-5.8446
-5.6966	-5.6957	-5.6523	-5.4227	-5.1491	-5.1317	-5.0308	-4.9833
-4.8670	-4.6634	-4.4553	-4.3899	-4.3796	-3.8832	-3.8814	-3.8807
-3.7873	-3.7863	-3.4527	-2.2236	-2.2179	-1.0790	0.0382	0.0560
1.1820	1.1841	1.4678	1.4725	1.5524	1.8230	1.8261	1.9374
2.0417	2.1293	2.1382	2.2093	2.3468	2.4353	2.4511	2.4620
2.5343	2.7376	2.7729	2.8651	2.8792	3.0277	3.1068	

k = 0.0000-0.5132 0.0000 (64824 PWs) bands (ev):

-21.4327	-21.2503	-21.0502	-20.8770	-20.7605	-20.6310	-20.1879	-20.1873
-19.7162	-19.6787	-19.4240	-19.3515	-19.1710	-18.8261	-18.8247	-18.7805
-18.4902	-18.4886	-18.3377	-18.2715	-18.2630	-18.1520	-17.8940	-17.6531
-17.5211	-16.5211	-16.5192	-16.3627	-16.3602	-14.7804	-14.7751	-13.8622
-13.8586	-13.7121	-13.7089	-13.2778	-13.2740	-12.8119	-12.4757	-12.2336
-12.1151	-12.0332	-11.9351	-11.7836	-11.7301	-11.6397	-11.3170	-11.3139
-11.2152	-10.7500	-10.4621	-10.4552	-10.1309	-10.1226	-10.0888	-9.9403
-9.7534	-9.7494	-9.4681	-9.0336	-9.0256	-8.9811	-8.8142	-8.8032
-8.7710	-8.6221	-8.6160	-8.6138	-8.5838	-8.2960	-8.2904	-8.2416
-8.0525	-7.9794	-7.9387	-7.9367	-7.8703	-7.7499	-7.7319	-7.7253
-7.5668	-7.4558	-7.4502	-7.3877	-7.3850	-7.2949	-7.2837	-7.1695
-6.9704	-6.8349	-6.7369	-6.4007	-6.3883	-6.3845	-6.3686	-6.3107
-6.3075	-6.0530	-6.0500	-5.9404	-5.9334	-5.9312	-5.8923	-5.7935
-5.6919	-5.6870	-5.5891	-5.4603	-5.2125	-5.1675	-5.0483	-4.9924
-4.8703	-4.6979	-4.4509	-4.3897	-4.3843	-3.8792	-3.8724	-3.8717
-3.7969	-3.7959	-3.4432	-2.1978	-2.1921	-1.0742	0.0114	0.0291
1.2099	1.2123	1.4392	1.4436	1.5646	1.8136	1.8171	1.9285
2.0400	2.1392	2.1585	2.2109	2.3559	2.4134	2.4223	2.4865
2.6279	2.7179	2.7578	2.8749	2.8908	3.0249	3.1177	

k = 0.0000-0.5292 0.0000 (64850 PWs) bands (ev):

-21.4214	-21.2648	-21.0307	-20.9007	-20.7622	-20.6322	-20.1900	-20.1894
-19.7066	-19.6499	-19.4547	-19.3407	-19.1746	-18.7969	-18.7860	-18.7847
-18.5341	-18.5325	-18.3366	-18.2727	-18.2629	-18.0914	-17.8910	-17.7172
-17.5163	-16.5031	-16.5011	-16.3842	-16.3818	-14.7370	-14.7317	-13.9065
-13.9035	-13.6590	-13.6558	-13.3331	-13.3294	-12.8087	-12.3836	-12.2247
-12.1048	-12.0344	-11.9377	-11.8243	-11.8007	-11.6482	-11.3204	-11.3174
-11.1714	-10.8078	-10.4215	-10.4145	-10.1731	-10.1651	-10.0929	-9.9169
-9.7527	-9.7431	-9.4950	-8.9797	-8.9717	-8.9573	-8.8106	-8.7998
-8.7963	-8.6707	-8.6625	-8.6062	-8.6009	-8.2272	-8.2245	-8.2189
-8.0538	-7.9629	-7.9423	-7.9404	-7.8726	-7.7972	-7.7909	-7.7520
-7.5361	-7.4644	-7.4365	-7.3746	-7.3724	-7.3203	-7.3069	-7.1748
-6.9716	-6.8286	-6.7450	-6.3887	-6.3854	-6.3608	-6.3465	-6.2704
-6.2673	-6.0929	-6.0563	-5.9871	-5.9814	-5.9395	-5.8538	-5.7224
-5.6889	-5.6712	-5.5282	-5.4958	-5.2749	-5.1991	-5.1132	-4.9542
-4.8729	-4.7330	-4.4469	-4.3895	-4.3885	-3.8761	-3.8633	-3.8626
-3.8064	-3.8055	-3.4358	-2.1773	-2.1717	-1.0704	-0.0100	0.0078
1.2382	1.2408	1.4105	1.4146	1.5751	1.8055	1.8100	1.9215
2.0386	2.1413	2.1773	2.2235	2.3617	2.3934	2.3940	2.5129
2.6882	2.7253	2.7512	2.8721	2.9166	3.0227	3.0882	

k = 0.0000-0.5453 0.0000 (64846 PWs) bands (ev):

-21.4119	-21.2766	-21.0106	-20.9238	-20.7634	-20.6331	-20.1915	-20.1909
-19.6996	-19.6218	-19.4842	-19.3338	-19.1758	-18.8094	-18.7454	-18.7440
-18.5775	-18.5759	-18.3358	-18.2736	-18.2629	-18.0303	-17.8890	-17.7808
-17.5128	-16.4846	-16.4825	-16.4053	-16.4029	-14.7029	-14.6975	-13.9413
-13.9389	-13.6056	-13.6022	-13.3882	-13.3846	-12.8063	-12.2911	-12.2184
-12.0978	-12.0343	-11.9385	-11.9182	-11.8138	-11.6560	-11.3229	-11.3198
-11.1260	-10.8624	-10.3808	-10.3736	-10.2152	-10.2073	-10.0958	-9.8990
-9.7507	-9.7384	-9.5167	-8.9333	-8.9263	-8.9183	-8.8278	-8.8161
-8.7804	-8.7202	-8.7120	-8.6253	-8.5897	-8.2166	-8.1540	-8.1483
-8.0555	-7.9507	-7.9473	-7.9459	-7.8742	-7.8604	-7.8547	-7.7535
-7.5040	-7.4752	-7.4167	-7.3649	-7.3634	-7.3505	-7.3293	-7.1761
-6.9725	-6.8246	-6.7505	-6.3911	-6.3882	-6.3292	-6.3218	-6.2259
-6.2227	-6.1340	-6.0587	-6.0356	-6.0311	-5.9478	-5.8204	-5.6867
-5.6547	-5.6504	-5.5270	-5.4762	-5.3296	-5.2246	-5.1776	-4.9164
-4.8748	-4.7686	-4.4436	-4.3919	-4.3893	-3.8739	-3.8542	-3.8535

-3.8159	-3.8150	-3.4305	-2.1624	-2.1568	-1.0676	-0.0255	-0.0077
1.2666	1.2695	1.3817	1.3855	1.5831	1.7991	1.8048	1.9165
2.0376	2.1395	2.1935	2.2430	2.3537	2.3764	2.3786	2.5402
2.6589	2.7473	2.8217	2.8701	2.9434	3.0211	3.0584	

k = 0.0000-0.5613 0.0000 (64834 PWs) bands (ev):

-21.4053	-21.2846	-20.9899	-20.9463	-20.7641	-20.6337	-20.1924	-20.1918
-19.6952	-19.5965	-19.5104	-19.3301	-19.1757	-18.8173	-18.7043	-18.7029
-18.6203	-18.6188	-18.3352	-18.2742	-18.2628	-17.9687	-17.8877	-17.8439
-17.5107	-16.4656	-16.4635	-16.4258	-16.4235	-14.6807	-14.6754	-13.9636
-13.9618	-13.5518	-13.5484	-13.4430	-13.4395	-12.8049	-12.2145	-12.1983
-12.0938	-12.0339	-12.0118	-11.9384	-11.8221	-11.6614	-11.3243	-11.3212
-11.0848	-10.9088	-10.3397	-10.3324	-10.2569	-10.2492	-10.0975	-9.8878
-9.7486	-9.7355	-9.5312	-8.9081	-8.8739	-8.8658	-8.8550	-8.8194
-8.7705	-8.7686	-8.7623	-8.6391	-8.5828	-8.2101	-8.0850	-8.0794
-8.0569	-7.9651	-7.9629	-7.9431	-7.9094	-7.9067	-7.8752	-7.7544
-7.4820	-7.4733	-7.3970	-7.3807	-7.3592	-7.3583	-7.3502	-7.1760
-6.9730	-6.8224	-6.7536	-6.3930	-6.3904	-6.3180	-6.2862	-6.1797
-6.1763	-6.1708	-6.0841	-6.0802	-6.0602	-5.9544	-5.7962	-5.6854
-5.6423	-5.5801	-5.5499	-5.4661	-5.3435	-5.2415	-5.2407	-4.8791
-4.8759	-4.8046	-4.4414	-4.3942	-4.3892	-3.8726	-3.8451	-3.8444
-3.8252	-3.8243	-3.4274	-2.1533	-2.1478	-1.0659	-0.0349	-0.0171
1.2953	1.2983	1.3529	1.3564	1.5883	1.7951	1.8016	1.9135
2.0370	2.1375	2.2048	2.2646	2.3308	2.3645	2.3788	2.5679
2.6294	2.7450	2.8688	2.9195	2.9710	3.0201	3.0290	

k = 0.0000-0.5774 0.0000 (64894 PWs) bands (ev):

-21.4029	-21.2875	-20.9709	-20.9659	-20.7643	-20.6339	-20.1927	-20.1921
-19.6937	-19.5835	-19.5237	-19.3290	-19.1756	-18.8201	-18.6631	-18.6624
-18.6611	-18.6608	-18.3351	-18.2744	-18.2628	-17.9072	-17.9058	-17.8873
-17.5100	-16.4478	-16.4458	-16.4438	-16.4419	-14.6731	-14.6677	-13.9713
-13.9699	-13.4997	-13.4963	-13.4954	-13.4920	-12.8044	-12.2133	-12.1080
-12.1024	-12.0925	-12.0337	-11.9383	-11.8249	-11.6633	-11.3248	-11.3217
-11.0647	-10.9306	-10.2993	-10.2978	-10.2921	-10.2896	-10.0981	-9.8840
-9.7476	-9.7346	-9.5363	-8.8857	-8.8781	-8.8255	-8.8205	-8.8193
-8.8161	-8.8100	-8.7641	-8.6442	-8.5805	-8.2079	-8.0575	-8.0268
-8.0225	-8.0088	-8.0049	-7.9406	-7.9226	-7.9221	-7.8755	-7.7547
-7.4843	-7.4562	-7.3977	-7.3827	-7.3663	-7.3568	-7.3556	-7.1759
-6.9733	-6.8218	-6.7546	-6.3937	-6.3912	-6.3141	-6.2675	-6.1899
-6.1342	-6.1331	-6.1279	-6.1266	-6.0607	-5.9569	-5.7871	-5.6849
-5.6378	-5.5586	-5.5164	-5.5127	-5.3020	-5.2984	-5.2474	-4.8763
-4.8469	-4.8364	-4.4406	-4.3950	-4.3892	-3.8721	-3.8385	-3.8376
-3.8322	-3.8310	-3.4263	-2.1503	-2.1447	-1.0654	-0.0381	-0.0203
1.3236	1.3244	1.3267	1.3281	1.5900	1.7936	1.8006	1.9124
2.0368	2.1366	2.2090	2.2780	2.3164	2.3601	2.3795	2.5893
2.6072	2.7442	2.8684	2.9966	3.0009	3.0125	3.0201	

k = 0.0159-0.5774 0.0000 (64838 PWs) bands (ev):

-21.4026	-21.2873	-20.9706	-20.9656	-20.7699	-20.6279	-20.2289	-20.1553
-19.6979	-19.5831	-19.5214	-19.3271	-19.1754	-18.8204	-18.6985	-18.6967
-18.6264	-18.6246	-18.3380	-18.2918	-18.2437	-17.9069	-17.9055	-17.8873
-17.5097	-16.5136	-16.5112	-16.3784	-16.3757	-14.7010	-14.6393	-13.9952
-13.9464	-13.5619	-13.5585	-13.4326	-13.4290	-12.8038	-12.2171	-12.1078
-12.1022	-12.0927	-12.0298	-11.9383	-11.8293	-11.6570	-11.3998	-11.2459
-11.0646	-10.9306	-10.3764	-10.3726	-10.2174	-10.2136	-10.1059	-9.8804
-9.7946	-9.6854	-9.5365	-8.8853	-8.8778	-8.8645	-8.8559	-8.8185
-8.7795	-8.7708	-8.7638	-8.6440	-8.5815	-8.2122	-8.0531	-8.0375
-8.0170	-8.0091	-8.0040	-7.9547	-7.9394	-7.8872	-7.8837	-7.7424
-7.4849	-7.4555	-7.4327	-7.3977	-7.3838	-7.3670	-7.2805	-7.1816

-6.9747	-6.8180	-6.7529	-6.4531	-6.3350	-6.3297	-6.2580	-6.1872
-6.1741	-6.1633	-6.0927	-6.0880	-6.0613	-5.9530	-5.7860	-5.6855
-5.6375	-5.5584	-5.5168	-5.5131	-5.3017	-5.2982	-5.2475	-4.8770
-4.8479	-4.8374	-4.4425	-4.4329	-4.3523	-3.8970	-3.8924	-3.8714
-3.7781	-3.7733	-3.4261	-2.1928	-2.1015	-1.0650	-0.0665	0.0069
1.2606	1.2619	1.3910	1.3925	1.5904	1.7938	1.8000	1.9123
2.0362	2.1370	2.2017	2.2788	2.3168	2.3474	2.3981	2.5900
2.6076	2.7482	2.8557	2.9970	3.0013	3.0124	3.0263	

k = 0.0317-0.5774 0.0000 (64824 PWs) bands (ev):

-21.4019	-21.2868	-20.9697	-20.9647	-20.7843	-20.6124	-20.2648	-20.1177
-19.7092	-19.5835	-19.5139	-19.3217	-19.1747	-18.8216	-18.7338	-18.7320
-18.5895	-18.5876	-18.3489	-18.3086	-18.2197	-17.9061	-17.9047	-17.8875
-17.5089	-16.5808	-16.5784	-16.3105	-16.3077	-14.7310	-14.6078	-14.0201
-13.9227	-13.6255	-13.6222	-13.3671	-13.3633	-12.8022	-12.2272	-12.1072
-12.1016	-12.0943	-12.0189	-11.9386	-11.8400	-11.6401	-11.4754	-11.1679
-11.0644	-10.9307	-10.4567	-10.4529	-10.1390	-10.1353	-10.1266	-9.8881
-9.8264	-9.6334	-9.5347	-8.9067	-8.8982	-8.8842	-8.8766	-8.8125
-8.7628	-8.7370	-8.7283	-8.6430	-8.5844	-8.2239	-8.0593	-8.0414
-8.0118	-8.0095	-8.0020	-7.9765	-7.9361	-7.9141	-7.8418	-7.7139
-7.5088	-7.4869	-7.4537	-7.3976	-7.3877	-7.3709	-7.2047	-7.1976
-6.9790	-6.8095	-6.7462	-6.5150	-6.3588	-6.2885	-6.2515	-6.2141
-6.1882	-6.1741	-6.0632	-6.0514	-6.0472	-5.9417	-5.7828	-5.6871
-5.6366	-5.5579	-5.5182	-5.5145	-5.3009	-5.2974	-5.2478	-4.8793
-4.8508	-4.8403	-4.4747	-4.4477	-4.3138	-3.9576	-3.9531	-3.8693
-3.7200	-3.7151	-3.4256	-2.2373	-2.0549	-1.0641	-0.1034	0.0402
1.1979	1.1991	1.4585	1.4602	1.5915	1.7944	1.7983	1.9117
2.0344	2.1380	2.1829	2.2802	2.3179	2.3313	2.4300	2.5920
2.6088	2.7598	2.8262	2.9982	3.0026	3.0121	3.0260	

k = 0.0476-0.5774 0.0000 (64808 PWs) bands (ev):

-21.4007	-21.2859	-20.9682	-20.9632	-20.8036	-20.5912	-20.3002	-20.0795
-19.7252	-19.5872	-19.5009	-19.3132	-19.1735	-18.8235	-18.7684	-18.7667
-18.5520	-18.5502	-18.3691	-18.3182	-18.1959	-17.9047	-17.9033	-17.8877
-17.5074	-16.6477	-16.6454	-16.2425	-16.2394	-14.7606	-14.5759	-14.0453
-13.8997	-13.6884	-13.6853	-13.3009	-13.2971	-12.7995	-12.2414	-12.1063
-12.1007	-12.0979	-12.0041	-11.9389	-11.8520	-11.6164	-11.5498	-11.0894
-11.0641	-10.9307	-10.5374	-10.5336	-10.1551	-10.0614	-10.0577	-9.9332
-9.8164	-9.5937	-9.5210	-8.9486	-8.9402	-8.8824	-8.8748	-8.8031
-8.7611	-8.6944	-8.6856	-8.6416	-8.5893	-8.2404	-8.0904	-8.0248
-8.0094	-8.0074	-7.9993	-7.9877	-7.9467	-7.9306	-7.7979	-7.6786
-7.5849	-7.4897	-7.4511	-7.3975	-7.3942	-7.3774	-7.2213	-7.1289
-6.9859	-6.8023	-6.7309	-6.5779	-6.3907	-6.2812	-6.2589	-6.2536
-6.1738	-6.1488	-6.0662	-6.0096	-6.0055	-5.9247	-5.7776	-5.6898
-5.6351	-5.5571	-5.5206	-5.5167	-5.2996	-5.2961	-5.2484	-4.8831
-4.8557	-4.8452	-4.5175	-4.4564	-4.2765	-4.0188	-4.0144	-3.8660
-3.6630	-3.6579	-3.4246	-2.2811	-2.0076	-1.0626	-0.1419	0.0727
1.1369	1.1382	1.5275	1.5293	1.5933	1.7948	1.7960	1.9108
2.0315	2.1395	2.1581	2.2810	2.3157	2.3202	2.4677	2.5951
2.6107	2.7778	2.7905	3.0002	3.0048	3.0117	3.0255	

k = 0.0635-0.5774 0.0000 (64824 PWs) bands (ev):

-21.3990	-21.2847	-20.9662	-20.9612	-20.8254	-20.5668	-20.3350	-20.0407
-19.7440	-19.5945	-19.4835	-19.3021	-19.1718	-18.8262	-18.8026	-18.8008
-18.5140	-18.5121	-18.3948	-18.3242	-18.1727	-17.9028	-17.9013	-17.8881
-17.5054	-16.7142	-16.7121	-16.1743	-16.1711	-14.7896	-14.5434	-14.0706
-13.8776	-13.7506	-13.7475	-13.2342	-13.2303	-12.7957	-12.2575	-12.1049
-12.1036	-12.0993	-11.9921	-11.9362	-11.8608	-11.6230	-11.5886	-11.0637
-11.0103	-10.9309	-10.6187	-10.6148	-10.1876	-9.9891	-9.9847	-9.9810

-9.7965	-9.5761	-9.4831	-8.9905	-8.9821	-8.8799	-8.8723	-8.7911
-8.7588	-8.6517	-8.6428	-8.6395	-8.5959	-8.2596	-8.1264	-8.0086
-8.0055	-8.0036	-7.9963	-7.9923	-7.9813	-7.9230	-7.7528	-7.6610
-7.6402	-7.4932	-7.4481	-7.4033	-7.3974	-7.3865	-7.2500	-7.0532
-6.9954	-6.8003	-6.7058	-6.6413	-6.4235	-6.3076	-6.2926	-6.2750
-6.1255	-6.1170	-6.0701	-5.9674	-5.9631	-5.9034	-5.7709	-5.6934
-5.6331	-5.5559	-5.5239	-5.5199	-5.2977	-5.2942	-5.2492	-4.8884
-4.8624	-4.8520	-4.5611	-4.4681	-4.2404	-4.0806	-4.0764	-3.8617
-3.6070	-3.6018	-3.4233	-2.3242	-1.9596	-1.0605	-0.1817	0.1041
1.0779	1.0792	1.5957	1.5978	1.5998	1.7914	1.7967	1.9094
2.0275	2.1310	2.1417	2.2781	2.3039	2.3226	2.5094	2.5991
2.6134	2.7515	2.8025	3.0027	3.0079	3.0112	3.0249	

k = 0.0794-0.5774 0.0000 (64784 PWs) bands (ev):

-21.3968	-21.2832	-20.9635	-20.9585	-20.8483	-20.5405	-20.3692	-20.0014
-19.7642	-19.6046	-19.4631	-19.2891	-19.1697	-18.8361	-18.8344	-18.8297
-18.4754	-18.4735	-18.4229	-18.3292	-18.1503	-17.9002	-17.8988	-17.8886
-17.5029	-16.7804	-16.7784	-16.1060	-16.1026	-14.8182	-14.5105	-14.0959
-13.8566	-13.8119	-13.8090	-13.1669	-13.1629	-12.7909	-12.2742	-12.1109
-12.1032	-12.0976	-11.9926	-11.9244	-11.8633	-11.6947	-11.5586	-11.0632
-10.9310	-10.9309	-10.7003	-10.6964	-10.2220	-10.0468	-9.9089	-9.9053
-9.7815	-9.5654	-9.4323	-9.0322	-9.0239	-8.8767	-8.8690	-8.7775
-8.7558	-8.6369	-8.6089	-8.6042	-8.6000	-8.2801	-8.1643	-8.0165
-8.0070	-8.0001	-7.9941	-7.9918	-7.9847	-7.9134	-7.7370	-7.7066
-7.6002	-7.4972	-7.4448	-7.4149	-7.3981	-7.3975	-7.2813	-7.0073
-6.9777	-6.8027	-6.7052	-6.6737	-6.4565	-6.3420	-6.3312	-6.2955
-6.0826	-6.0746	-6.0693	-5.9248	-5.9201	-5.8792	-5.7632	-5.6978
-5.6304	-5.5543	-5.5282	-5.5240	-5.2952	-5.2918	-5.2504	-4.8950
-4.8711	-4.8607	-4.6056	-4.4824	-4.2057	-4.1429	-4.1388	-3.8568
-3.5523	-3.5470	-3.4216	-2.3666	-1.9109	-1.0578	-0.2228	0.1343
1.0208	1.0222	1.5990	1.6694	1.6717	1.7865	1.7982	1.9075
2.0227	2.1038	2.1443	2.2666	2.3003	2.3259	2.5537	2.6042
2.6168	2.7131	2.8306	3.0052	3.0113	3.0118	3.0243	

k = 0.0952-0.5774 0.0000 (64810 PWs) bands (ev):

-21.3941	-21.2813	-20.9603	-20.9553	-20.8716	-20.5131	-20.4029	-19.9614
-19.7853	-19.6166	-19.4408	-19.2745	-19.1671	-18.8691	-18.8675	-18.8340
-18.4523	-18.4363	-18.4344	-18.3342	-18.1287	-17.8972	-17.8957	-17.8892
-17.5000	-16.8463	-16.8444	-16.0378	-16.0342	-14.8463	-14.4770	-14.1213
-13.8724	-13.8697	-13.8365	-13.0991	-13.0950	-12.7851	-12.2907	-12.1196
-12.1011	-12.0955	-12.0052	-11.9064	-11.8568	-11.7646	-11.5272	-11.0627
-10.9313	-10.8513	-10.7822	-10.7783	-10.2571	-10.1045	-9.8343	-9.8307
-9.7769	-9.5483	-9.3781	-9.0737	-9.0655	-8.8728	-8.8650	-8.7632
-8.7522	-8.6337	-8.6139	-8.5660	-8.5570	-8.3010	-8.2029	-8.0517
-8.0045	-7.9972	-7.9920	-7.9882	-7.9633	-7.9019	-7.8131	-7.6595
-7.5590	-7.5019	-7.4414	-7.4291	-7.4124	-7.3980	-7.3130	-7.0216
-6.9024	-6.8079	-6.7696	-6.6376	-6.4893	-6.3780	-6.3691	-6.3185
-6.0797	-6.0467	-6.0114	-5.8819	-5.8767	-5.8529	-5.7550	-5.7028
-5.6272	-5.5522	-5.5335	-5.5291	-5.2922	-5.2889	-5.2520	-4.9031
-4.8816	-4.8712	-4.6509	-4.4990	-4.2057	-4.2016	-4.1723	-3.8515
-3.4989	-3.4935	-3.4194	-2.4083	-1.8616	-1.0547	-0.2651	0.1634
0.9658	0.9673	1.6029	1.7423	1.7448	1.7806	1.7999	1.9050
2.0172	2.0775	2.1474	2.2498	2.3025	2.3300	2.5962	2.6135
2.6207	2.6757	2.8613	3.0059	3.0133	3.0162	3.0243	

k = 0.1111-0.5774 0.0000 (64852 PWs) bands (ev):

-21.3910	-21.2792	-20.9565	-20.9515	-20.8950	-20.4848	-20.4360	-19.9210
-19.8068	-19.6298	-19.4174	-19.2587	-19.1640	-18.9016	-18.8999	-18.8392
-18.4827	-18.3967	-18.3947	-18.3393	-18.1080	-17.8935	-17.8921	-17.8900

-17.4966	-16.9118	-16.9100	-15.9696	-15.9658	-14.8740	-14.4431	-14.1466
-13.9319	-13.9293	-13.8183	-13.0308	-13.0266	-12.7784	-12.3065	-12.1291
-12.0986	-12.0929	-12.0236	-11.8919	-11.8382	-11.8326	-11.4952	-11.0623
-10.9316	-10.8644	-10.8605	-10.7714	-10.2924	-10.1613	-9.7840	-9.7609
-9.7574	-9.5215	-9.3233	-9.1151	-9.1070	-8.8682	-8.8603	-8.7495
-8.7479	-8.6299	-8.6249	-8.5230	-8.5140	-8.3217	-8.2413	-8.0866
-8.0010	-7.9943	-7.9885	-7.9841	-7.9418	-7.8890	-7.8885	-7.6116
-7.5171	-7.5075	-7.4458	-7.4381	-7.4291	-7.3997	-7.3429	-7.0381
-6.8343	-6.8273	-6.8151	-6.5992	-6.5219	-6.4143	-6.4066	-6.3428
-6.0850	-6.0100	-5.9531	-5.8388	-5.8329	-5.8252	-5.7471	-5.7078
-5.6233	-5.5497	-5.5399	-5.5351	-5.2886	-5.2853	-5.2541	-4.9124
-4.8938	-4.8835	-4.6970	-4.5173	-4.2688	-4.2649	-4.1403	-3.8463
-3.4471	-3.4416	-3.4169	-2.4494	-1.8115	-1.0511	-0.3087	0.1914
0.9129	0.9146	1.6075	1.7739	1.8017	1.8164	1.8191	1.9018
2.0112	2.0527	2.1508	2.2317	2.3069	2.3347	2.6112	2.6201
2.6438	2.6536	2.8924	3.0050	3.0157	3.0199	3.0246	

k = 0.1270-0.5774 0.0000 (64820 PWs) bands (ev):

-21.3874	-21.2768	-20.9520	-20.9470	-20.9181	-20.4685	-20.4560	-19.8800
-19.8285	-19.6438	-19.3932	-19.2422	-19.1604	-18.9335	-18.9318	-18.8451
-18.5138	-18.3565	-18.3545	-18.3445	-18.0883	-17.8911	-17.8894	-17.8879
-17.4930	-16.9769	-16.9751	-15.9017	-15.8976	-14.9011	-14.4087	-14.1718
-13.9903	-13.9879	-13.8018	-12.9619	-12.9576	-12.7709	-12.3214	-12.1394
-12.0957	-12.0901	-12.0445	-11.8982	-11.8829	-11.8092	-11.4631	-11.0621
-10.9468	-10.9430	-10.9321	-10.6915	-10.3279	-10.2164	-9.8002	-9.6888
-9.6854	-9.4865	-9.2690	-9.1563	-9.1482	-8.8630	-8.8548	-8.7429
-8.7373	-8.6369	-8.6257	-8.4800	-8.4709	-8.3417	-8.2795	-8.1211
-7.9963	-7.9905	-7.9845	-7.9799	-7.9644	-7.9206	-7.8734	-7.5630
-7.5145	-7.4745	-7.4650	-7.4483	-7.4349	-7.4048	-7.3672	-7.0567
-6.8994	-6.8236	-6.7524	-6.5598	-6.5541	-6.4504	-6.4434	-6.3679
-6.0904	-5.9728	-5.8950	-5.7966	-5.7956	-5.7888	-5.7410	-5.7117
-5.6189	-5.5473	-5.5465	-5.5419	-5.2843	-5.2811	-5.2568	-4.9228
-4.9077	-4.8974	-4.7436	-4.5368	-4.3322	-4.3284	-4.1099	-3.8414
-3.4140	-3.3968	-3.3912	-2.4897	-1.7608	-1.0472	-0.3534	0.2183
0.8625	0.8643	1.6128	1.7664	1.8035	1.8915	1.8945	1.8979
2.0050	2.0299	2.1544	2.2139	2.3126	2.3400	2.5946	2.6207
2.6372	2.7030	2.9179	2.9992	3.0034	3.0164	3.0260	

k = 0.1429-0.5774 0.0000 (64840 PWs) bands (ev):

-21.3833	-21.2742	-20.9470	-20.9420	-20.9409	-20.5004	-20.4268	-19.8503
-19.8384	-19.6582	-19.3686	-19.2251	-19.1562	-18.9648	-18.9632	-18.8518
-18.5454	-18.3499	-18.3157	-18.3137	-18.0696	-17.8923	-17.8846	-17.8832
-17.4892	-17.0417	-17.0399	-15.8340	-15.8297	-14.9277	-14.3739	-14.1968
-14.0475	-14.0453	-13.7874	-12.8926	-12.8882	-12.7626	-12.3351	-12.1503
-12.0925	-12.0868	-12.0661	-11.9611	-11.8765	-11.7744	-11.4313	-11.0622
-11.0294	-11.0256	-10.9327	-10.6115	-10.3639	-10.2686	-9.8224	-9.6183
-9.6149	-9.4460	-9.2154	-9.1973	-9.1893	-8.8570	-8.8486	-8.7374
-8.7280	-8.6496	-8.6209	-8.4370	-8.4278	-8.3609	-8.3171	-8.1550
-8.0411	-7.9904	-7.9854	-7.9793	-7.9747	-7.8999	-7.8567	-7.5236
-7.5137	-7.4867	-7.4700	-7.4322	-7.4315	-7.4168	-7.3807	-7.0773
-6.9648	-6.8332	-6.6778	-6.5859	-6.5200	-6.4862	-6.4797	-6.3934
-6.0959	-5.9352	-5.8372	-5.7673	-5.7529	-5.7446	-5.7389	-5.7126
-5.6138	-5.5555	-5.5492	-5.5427	-5.2794	-5.2762	-5.2602	-4.9342
-4.9231	-4.9130	-4.7909	-4.5572	-4.3959	-4.3922	-4.0809	-3.8370
-3.4107	-3.3483	-3.3426	-2.5293	-1.7093	-1.0431	-0.3994	0.2441
0.8144	0.8164	1.6188	1.7583	1.8051	1.8933	1.9676	1.9709
1.9988	2.0092	2.1584	2.1969	2.3193	2.3460	2.5615	2.6280
2.6424	2.7540	2.9184	2.9903	3.0013	3.0149	3.0325	

k = 0.1587-0.5774 0.0000 (64820 PWs) bands (ev):

-21.3787	-21.2714	-20.9632	-20.9414	-20.9364	-20.5318	-20.3973	-19.8720
-19.7962	-19.6729	-19.3438	-19.2078	-19.1515	-18.9956	-18.9939	-18.8592
-18.5775	-18.3553	-18.2745	-18.2724	-18.0520	-17.8938	-17.8793	-17.8779
-17.4852	-17.1060	-17.1043	-15.7669	-15.7623	-14.9539	-14.3385	-14.2217
-14.1033	-14.1014	-13.7755	-12.8227	-12.8183	-12.7536	-12.3475	-12.1616
-12.0889	-12.0875	-12.0832	-12.0210	-11.8713	-11.7364	-11.4000	-11.1122
-11.1084	-11.0628	-10.9336	-10.5315	-10.4017	-10.3163	-9.8481	-9.5495
-9.5461	-9.4018	-9.2381	-9.2302	-9.1630	-8.8503	-8.8417	-8.7311
-8.7227	-8.6626	-8.6156	-8.3940	-8.3850	-8.3789	-8.3538	-8.1881
-8.1166	-7.9832	-7.9793	-7.9742	-7.9698	-7.8797	-7.8386	-7.5353
-7.5108	-7.4943	-7.4635	-7.4350	-7.4273	-7.3881	-7.3856	-7.0997
-7.0305	-6.8436	-6.6173	-6.6034	-6.5215	-6.5154	-6.4803	-6.4189
-6.1014	-5.8974	-5.7799	-5.7418	-5.7377	-5.7115	-5.7096	-5.7009
-5.6081	-5.5643	-5.5561	-5.5382	-5.2738	-5.2708	-5.2645	-4.9463
-4.9399	-4.9299	-4.8388	-4.5779	-4.4598	-4.4562	-4.0536	-3.8333
-3.4070	-3.3016	-3.2958	-2.5681	-1.6572	-1.0387	-0.4466	0.2689
0.7689	0.7711	1.6255	1.7497	1.8062	1.8881	1.9903	1.9925
2.0453	2.0486	2.1625	2.1812	2.3268	2.3525	2.5285	2.6363
2.6495	2.8042	2.8916	2.9987	3.0054	3.0132	3.0402	

k = 0.1746-0.5774 0.0000 (64816 PWs) bands (ev):

-21.3737	-21.2685	-20.9848	-20.9353	-20.9303	-20.5625	-20.3677	-19.8935
-19.7535	-19.6875	-19.3190	-19.1904	-19.1461	-19.0258	-19.0241	-18.8673
-18.6099	-18.3606	-18.2326	-18.2306	-18.0355	-17.8956	-17.8734	-17.8720
-17.4811	-17.1699	-17.1683	-15.7005	-15.6956	-14.9796	-14.3027	-14.2464
-14.1576	-14.1559	-13.7665	-12.7524	-12.7479	-12.7442	-12.3586	-12.1732
-12.1082	-12.0852	-12.0799	-12.0764	-11.8668	-11.6961	-11.3698	-11.1951
-11.1913	-11.0642	-10.9347	-10.4515	-10.4422	-10.3576	-9.8756	-9.4825
-9.4792	-9.3554	-9.2787	-9.2708	-9.1119	-8.8430	-8.8341	-8.7243
-8.7223	-8.6753	-8.6100	-8.3959	-8.3918	-8.3503	-8.3410	-8.2205
-8.1921	-7.9746	-7.9725	-7.9680	-7.9644	-7.8603	-7.8193	-7.5497
-7.5372	-7.5207	-7.4476	-7.4258	-7.4128	-7.3875	-7.3445	-7.1238
-7.0964	-6.8545	-6.6482	-6.5564	-6.5506	-6.5294	-6.4443	-6.4413
-6.1067	-5.8595	-5.7476	-5.7232	-5.7079	-5.7052	-5.6740	-5.6595
-5.6018	-5.5719	-5.5604	-5.5329	-5.2699	-5.2676	-5.2646	-4.9591
-4.9581	-4.9482	-4.8871	-4.5985	-4.5238	-4.5203	-4.0279	-3.8306
-3.4031	-3.2570	-3.2511	-2.6063	-1.6044	-1.0342	-0.4949	0.2925
0.7262	0.7286	1.6328	1.7408	1.8067	1.8823	1.9742	1.9866
2.1233	2.1271	2.1664	2.1673	2.3351	2.3593	2.4972	2.6453
2.6578	2.8322	2.8802	2.9961	3.0096	3.0236	3.0487	

k = 0.1905-0.5774 0.0000 (64822 PWs) bands (ev):

-21.3682	-21.2657	-21.0057	-20.9285	-20.9235	-20.5928	-20.3380	-19.9149
-19.7103	-19.7020	-19.2942	-19.1732	-19.1401	-19.0554	-19.0538	-18.8760
-18.6427	-18.3656	-18.1902	-18.1882	-18.0201	-17.8976	-17.8670	-17.8656
-17.4771	-17.2334	-17.2318	-15.6351	-15.6299	-15.0048	-14.2708	-14.2664
-14.2100	-14.2086	-13.7608	-12.7343	-12.6817	-12.6771	-12.3683	-12.1849
-12.1301	-12.1276	-12.0804	-12.0747	-11.8629	-11.6540	-11.3410	-11.2781
-11.2743	-11.0666	-10.9361	-10.4855	-10.3918	-10.3718	-9.9037	-9.4177
-9.4145	-9.3190	-9.3112	-9.3075	-9.0623	-8.8351	-8.8257	-8.7276
-8.7168	-8.6873	-8.6041	-8.4274	-8.4120	-8.3073	-8.2979	-8.2673
-8.2520	-7.9667	-7.9641	-7.9605	-7.9573	-7.8416	-7.7991	-7.5661
-7.5653	-7.5496	-7.4573	-7.4237	-7.3887	-7.3614	-7.3006	-7.1626
-7.1494	-6.8657	-6.6785	-6.5907	-6.5851	-6.4694	-6.4557	-6.4032
-6.1121	-5.8216	-5.7543	-5.7010	-5.6782	-5.6671	-5.6473	-5.6286
-5.5948	-5.5700	-5.5551	-5.5271	-5.2764	-5.2608	-5.2579	-4.9775
-4.9722	-4.9677	-4.9358	-4.6185	-4.5879	-4.5845	-4.0038	-3.8288
-3.3991	-3.2145	-3.2086	-2.6438	-1.5510	-1.0298	-0.5445	0.3152
0.6863	0.6889	1.6408	1.7319	1.8063	1.8762	1.9599	1.9816

2.1542	2.1708	2.2025	2.2066	2.3440	2.3662	2.4685	2.6551
2.6670	2.8043	2.9242	2.9930	3.0069	3.0382	3.0581	

k = 0.2063-0.5774 0.0000 (64806 PWs) bands (ev):

-21.3623	-21.2630	-21.0255	-20.9211	-20.9161	-20.6224	-20.3084	-19.9359
-19.7162	-19.6664	-19.2699	-19.1566	-19.1332	-19.0845	-19.0829	-18.8850
-18.6757	-18.3703	-18.1473	-18.1452	-18.0058	-17.8998	-17.8600	-17.8586
-17.4731	-17.2965	-17.2949	-15.5711	-15.5655	-15.0295	-14.2949	-14.2602
-14.2590	-14.2296	-13.7590	-12.7244	-12.6104	-12.6058	-12.3765	-12.1968
-12.1782	-12.1456	-12.0757	-12.0699	-11.8596	-11.6105	-11.3611	-11.3574
-11.3140	-11.0706	-10.9381	-10.5298	-10.4199	-10.2922	-9.9315	-9.3613
-9.3565	-9.3509	-9.3487	-9.2588	-9.0146	-8.8267	-8.8166	-8.7379
-8.7088	-8.6992	-8.5979	-8.4627	-8.4277	-8.3422	-8.2825	-8.2641
-8.2547	-7.9610	-7.9557	-7.9506	-7.9464	-7.8238	-7.7782	-7.5972
-7.5808	-7.5804	-7.4640	-7.4218	-7.3897	-7.3094	-7.2568	-7.2290
-7.1761	-6.8768	-6.7083	-6.6244	-6.6190	-6.4940	-6.3825	-6.3665
-6.1173	-5.7839	-5.7613	-5.6979	-5.6488	-5.6400	-5.6248	-5.6112
-5.5872	-5.5429	-5.5319	-5.5209	-5.2841	-5.2533	-5.2505	-4.9979
-4.9882	-4.9855	-4.9847	-4.6521	-4.6487	-4.6375	-3.9815	-3.8281
-3.3949	-3.1744	-3.1684	-2.6806	-1.4968	-1.0254	-0.5952	0.3368
0.6493	0.6522	1.6494	1.7231	1.8047	1.8701	1.9475	1.9776
2.1431	2.1750	2.2822	2.2868	2.3530	2.3724	2.4440	2.6656
2.6770	2.7672	2.9771	2.9897	3.0037	3.0513	3.0684	

k = 0.2222-0.5774 0.0000 (64840 PWs) bands (ev):

-21.3560	-21.2606	-21.0442	-20.9132	-20.9082	-20.6514	-20.2790	-19.9567
-19.7299	-19.6221	-19.2463	-19.1408	-19.1253	-19.1130	-19.1114	-18.8941
-18.7087	-18.3747	-18.1039	-18.1018	-17.9927	-17.9023	-17.8525	-17.8510
-17.4694	-17.3591	-17.3575	-15.5089	-15.5030	-15.0537	-14.3188	-14.3076
-14.3068	-14.1923	-13.7613	-12.7145	-12.5388	-12.5340	-12.3833	-12.2215
-12.2085	-12.1618	-12.0706	-12.0648	-11.8569	-11.5657	-11.4443	-11.4405
-11.2893	-11.0766	-10.9408	-10.5730	-10.4430	-10.2128	-9.9581	-9.3994
-9.3916	-9.2948	-9.2913	-9.2096	-8.9690	-8.8178	-8.8068	-8.7518
-8.7118	-8.7002	-8.5917	-8.4973	-8.4438	-8.4166	-8.3116	-8.2209
-8.2115	-7.9555	-7.9498	-7.9365	-7.9327	-7.8072	-7.7571	-7.6306
-7.6143	-7.5930	-7.4688	-7.4203	-7.3906	-7.2956	-7.2568	-7.2132
-7.2038	-6.8876	-6.7374	-6.6576	-6.6523	-6.5179	-6.3315	-6.3096
-6.1226	-5.7679	-5.7467	-5.6959	-5.6475	-5.6362	-5.6199	-5.5787
-5.5567	-5.5145	-5.5014	-5.4953	-5.2931	-5.2451	-5.2424	-5.0339
-5.0191	-5.0095	-4.9985	-4.7162	-4.7130	-4.6551	-3.9610	-3.8284
-3.3908	-3.1367	-3.1307	-2.7166	-1.4420	-1.0212	-0.6470	0.3575
0.6155	0.6187	1.6586	1.7147	1.8017	1.8641	1.9368	1.9747
2.1335	2.1789	2.3563	2.3647	2.3679	2.3781	2.4275	2.6769
2.6878	2.7296	2.9859	3.0001	3.0220	3.0526	3.0685	

k = 0.2381-0.5774 0.0000 (64812 PWs) bands (ev):

-21.3493	-21.2588	-21.0614	-20.9046	-20.8997	-20.6799	-20.2501	-19.9771
-19.7428	-19.5771	-19.2237	-19.1409	-19.1393	-19.1265	-19.1161	-18.9028
-18.7416	-18.3785	-18.0599	-18.0578	-17.9807	-17.9050	-17.8444	-17.8429
-17.4659	-17.4213	-17.4197	-15.4494	-15.4429	-15.0774	-14.3518	-14.3512
-14.3424	-14.1546	-13.7683	-12.7050	-12.4667	-12.4618	-12.3887	-12.2596
-12.2198	-12.1762	-12.0651	-12.0593	-11.8548	-11.5273	-11.5236	-11.5197
-11.2674	-11.0853	-10.9446	-10.6131	-10.4618	-10.1338	-9.9828	-9.4390
-9.4313	-9.2374	-9.2339	-9.1603	-8.9260	-8.8088	-8.7962	-8.7679
-8.7259	-8.6911	-8.5856	-8.5312	-8.4903	-8.4607	-8.3392	-8.1778
-8.1682	-7.9499	-7.9442	-7.9200	-7.9166	-7.7922	-7.7359	-7.6662
-7.6500	-7.6017	-7.4729	-7.4190	-7.3915	-7.3624	-7.2320	-7.2035
-7.1700	-6.8979	-6.7658	-6.6902	-6.6850	-6.5409	-6.2986	-6.2372
-6.1279	-5.7738	-5.7102	-5.6950	-5.6623	-5.6531	-5.5920	-5.5691

-5.5084	-5.5028	-5.4563	-5.4530	-5.3032	-5.2364	-5.2338	-5.0830
-5.0409	-5.0315	-5.0108	-4.7803	-4.7771	-4.6709	-3.9423	-3.8296
-3.3869	-3.1016	-3.0956	-2.7520	-1.3865	-1.0173	-0.7000	0.3772
0.5849	0.5883	1.6684	1.7070	1.7971	1.8585	1.9276	1.9731
2.1255	2.1823	2.3565	2.3825	2.4190	2.4474	2.4508	2.6875
2.6927	2.7006	2.9818	2.9961	3.0008	3.0730	3.0889	

k = 0.2540-0.5774 0.0000 (64842 PWs) bands (ev):

-21.3424	-21.2577	-21.0768	-20.8955	-20.8906	-20.7078	-20.2218	-19.9970
-19.7549	-19.5317	-19.2025	-19.1683	-19.1667	-19.1142	-19.1055	-18.9105
-18.7741	-18.3819	-18.0154	-18.0132	-17.9701	-17.9078	-17.8358	-17.8343
-17.4831	-17.4814	-17.4627	-15.3933	-15.3864	-15.1007	-14.3916	-14.3912
-14.3656	-14.1164	-13.7803	-12.6961	-12.3941	-12.3927	-12.3892	-12.2921
-12.2304	-12.1887	-12.0593	-12.0534	-11.8532	-11.6104	-11.6067	-11.4727
-11.2487	-11.0973	-10.9497	-10.6482	-10.4771	-10.0551	-10.0051	-9.4784
-9.4708	-9.1829	-9.1793	-9.1111	-8.8864	-8.8004	-8.7854	-8.7850
-8.7412	-8.6816	-8.5801	-8.5645	-8.5624	-8.4787	-8.3647	-8.1347
-8.1250	-7.9443	-7.9385	-7.9010	-7.8980	-7.7794	-7.7152	-7.7040
-7.6878	-7.6054	-7.4771	-7.4293	-7.4181	-7.3924	-7.2601	-7.1496
-7.1277	-6.9073	-6.7933	-6.7222	-6.7171	-6.5627	-6.2685	-6.1653
-6.1334	-5.7789	-5.6952	-5.6814	-5.6752	-5.6732	-5.5660	-5.5577
-5.5029	-5.4497	-5.4099	-5.4084	-5.3141	-5.2271	-5.2246	-5.1320
-5.0630	-5.0537	-5.0222	-4.8443	-4.8411	-4.6846	-3.9256	-3.8319
-3.3832	-3.0693	-3.0632	-2.7866	-1.3303	-1.0138	-0.7541	0.3959
0.5576	0.5613	1.6788	1.7001	1.7910	1.8536	1.9199	1.9726
2.1189	2.1851	2.3443	2.3932	2.4250	2.5276	2.5329	2.6558
2.7022	2.7123	2.9638	2.9774	2.9918	3.0883	3.1028	

k = 0.2698-0.5774 0.0000 (64842 PWs) bands (ev):

-21.3352	-21.2578	-21.0899	-20.8858	-20.8809	-20.7351	-20.1946	-20.0164
-19.7658	-19.4856	-19.1951	-19.1935	-19.1835	-19.1039	-19.0943	-18.9164
-18.8059	-18.3846	-17.9703	-17.9681	-17.9608	-17.9108	-17.8266	-17.8250
-17.5443	-17.5427	-17.4600	-15.3419	-15.3345	-15.1234	-14.4262	-14.4255
-14.3885	-14.0777	-13.7975	-12.6882	-12.3954	-12.3219	-12.3183	-12.3159
-12.2400	-12.1992	-12.0531	-12.0472	-11.8522	-11.6935	-11.6897	-11.4248
-11.2339	-11.1134	-10.9564	-10.6767	-10.4890	-10.0244	-9.9769	-9.5175
-9.5100	-9.1316	-9.1277	-9.0623	-8.8520	-8.8036	-8.7943	-8.7731
-8.7565	-8.6718	-8.6314	-8.5967	-8.5757	-8.4979	-8.3875	-8.0916
-8.0818	-7.9386	-7.9327	-7.8795	-7.8768	-7.7694	-7.7439	-7.7278
-7.6955	-7.6036	-7.4964	-7.4823	-7.4173	-7.3929	-7.2873	-7.0951
-7.0869	-6.9154	-6.8196	-6.7535	-6.7485	-6.5829	-6.2415	-6.1391
-6.0940	-5.7826	-5.7035	-5.6961	-5.6958	-5.6427	-5.5480	-5.5388
-5.4984	-5.3976	-5.3636	-5.3624	-5.3249	-5.2175	-5.2151	-5.1802
-5.0849	-5.0758	-5.0322	-4.9080	-4.9047	-4.6960	-3.9109	-3.8348
-3.3799	-3.0398	-3.0337	-2.8205	-1.2735	-1.0107	-0.8093	0.4138
0.5338	0.5379	1.6897	1.6942	1.7832	1.8493	1.9135	1.9731
2.1136	2.1870	2.3305	2.4058	2.4343	2.5978	2.6156	2.6332
2.7158	2.7256	2.9266	2.9726	2.9871	3.1024	3.1163	

k = 0.2857-0.5774 0.0000 (64838 PWs) bands (ev):

-21.3281	-21.2591	-21.1004	-20.8755	-20.8706	-20.7618	-20.1690	-20.0351
-19.7751	-19.4391	-19.2213	-19.2198	-19.1671	-19.0961	-19.0827	-18.9197
-18.8362	-18.3868	-17.9529	-17.9248	-17.9225	-17.9137	-17.8168	-17.8153
-17.6051	-17.6035	-17.4578	-15.2967	-15.2887	-15.1457	-14.4539	-14.4527
-14.4110	-14.0385	-13.8201	-12.6816	-12.3970	-12.3393	-12.2480	-12.2478
-12.2427	-12.2077	-12.0465	-12.0406	-11.8515	-11.7764	-11.7727	-11.3762
-11.2237	-11.1344	-10.9640	-10.6978	-10.4978	-10.0401	-9.8992	-9.5564
-9.5489	-9.0836	-9.0793	-9.0143	-8.8303	-8.8199	-8.7979	-8.7673
-8.7605	-8.6897	-8.6621	-8.6282	-8.5730	-8.5173	-8.4067	-8.0486

-8.0387	-7.9329	-7.9270	-7.8555	-7.8529	-7.7858	-7.7698	-7.7623
-7.6776	-7.5965	-7.5637	-7.4890	-7.4168	-7.3933	-7.3122	-7.0488
-7.0400	-6.9221	-6.8443	-6.7843	-6.7793	-6.6008	-6.2181	-6.1450
-6.0234	-5.7851	-5.7284	-5.7210	-5.6975	-5.6142	-5.5333	-5.5176
-5.4951	-5.3468	-5.3344	-5.3183	-5.3155	-5.2271	-5.2076	-5.2053
-5.1060	-5.0970	-5.0405	-4.9715	-4.9679	-4.7049	-3.8983	-3.8383
-3.3771	-3.0133	-3.0073	-2.8537	-1.2160	-1.0082	-0.8656	0.4308
0.5136	0.5179	1.6893	1.7014	1.7740	1.8459	1.9086	1.9743
2.1096	2.1878	2.3187	2.4194	2.4456	2.5792	2.6978	2.7022
2.7303	2.7397	2.8899	2.9674	2.9820	3.1166	3.1304	

k = 0.3016-0.5774 0.0000 (64820 PWs) bands (ev):

-21.3214	-21.2616	-21.1079	-20.8647	-20.8597	-20.7879	-20.1460	-20.0524
-19.7825	-19.3920	-19.2469	-19.2455	-19.1540	-19.0917	-19.0712	-18.9197
-18.8636	-18.3883	-17.9467	-17.9164	-17.8787	-17.8764	-17.8065	-17.8049
-17.6655	-17.6638	-17.4562	-15.2595	-15.2511	-15.1674	-14.4727	-14.4711
-14.4331	-13.9989	-13.8482	-12.6766	-12.3976	-12.3537	-12.2541	-12.2140
-12.1740	-12.1689	-12.0396	-12.0336	-11.8593	-11.8556	-11.8513	-11.3272
-11.2188	-11.1607	-10.9715	-10.7115	-10.5038	-10.0517	-9.8219	-9.5949
-9.5876	-9.0393	-9.0342	-8.9678	-8.8437	-8.8299	-8.8224	-8.7640
-8.7474	-8.7185	-8.6587	-8.6529	-8.5725	-8.5352	-8.4211	-8.0058
-7.9957	-7.9269	-7.9211	-7.8298	-7.8288	-7.8262	-7.8136	-7.7580
-7.6625	-7.6310	-7.5856	-7.4972	-7.4165	-7.3941	-7.3327	-7.0154
-6.9843	-6.9271	-6.8660	-6.8144	-6.8095	-6.6156	-6.1991	-6.1511
-5.9534	-5.7862	-5.7559	-5.7486	-5.6991	-5.5921	-5.5170	-5.5006
-5.4930	-5.3402	-5.2979	-5.2752	-5.2710	-5.2693	-5.1981	-5.1951
-5.1246	-5.1157	-5.0465	-5.0345	-5.0298	-4.7113	-3.8884	-3.8418
-3.3750	-2.9899	-2.9839	-2.8861	-1.1578	-1.0064	-0.9229	0.4468
0.4971	0.5017	1.6859	1.7133	1.7636	1.8435	1.9050	1.9757
2.1068	2.1876	2.3103	2.4339	2.4581	2.5464	2.7454	2.7544
2.7818	2.7863	2.8543	2.9618	2.9766	3.1125	3.1172	

k = 0.3175-0.5774 0.0000 (64832 PWs) bands (ev):

-21.3161	-21.2645	-21.1123	-20.8533	-20.8483	-20.8133	-20.1278	-20.0666
-19.7874	-19.3443	-19.2720	-19.2706	-19.1450	-19.0905	-19.0618	-18.9170
-18.8850	-18.3892	-17.9427	-17.9183	-17.8321	-17.8298	-17.7956	-17.7941
-17.7254	-17.7236	-17.4551	-15.2322	-15.2234	-15.1885	-14.4809	-14.4788
-14.4549	-13.9588	-13.8815	-12.6736	-12.3976	-12.3622	-12.2581	-12.2179
-12.0998	-12.0947	-12.0324	-12.0263	-11.9421	-11.9384	-11.8512	-11.2782
-11.2197	-11.1920	-10.9771	-10.7187	-10.5073	-10.0588	-9.7452	-9.6332
-9.6260	-8.9988	-8.9926	-8.9250	-8.8889	-8.8619	-8.8353	-8.7529
-8.7336	-8.7191	-8.6880	-8.6456	-8.5741	-8.5487	-8.4297	-7.9637
-7.9530	-7.9204	-7.9149	-7.8755	-7.8598	-7.7990	-7.7966	-7.7558
-7.6985	-7.6520	-7.5743	-7.5055	-7.4163	-7.3960	-7.3456	-6.9910
-6.9302	-6.9280	-6.8820	-6.8439	-6.8391	-6.6259	-6.1855	-6.1567
-5.8844	-5.7864	-5.7860	-5.7787	-5.7002	-5.5779	-5.5016	-5.4922
-5.4903	-5.3401	-5.3078	-5.2536	-5.2405	-5.2292	-5.1875	-5.1815
-5.1372	-5.1285	-5.0971	-5.0880	-5.0503	-4.7150	-3.8818	-3.8447
-3.3737	-2.9698	-2.9638	-2.9177	-1.0990	-1.0052	-0.9812	0.4619
0.4843	0.4893	1.6838	1.7255	1.7522	1.8420	1.9028	1.9768
2.1051	2.1868	2.3056	2.4488	2.4705	2.5152	2.7613	2.7700
2.8176	2.8676	2.8722	2.9557	2.9707	3.0333	3.0378	

k = 0.3333-0.5774 0.0000 (64770 PWs) bands (ev):

-21.3139	-21.2660	-21.1137	-20.8429	-20.8384	-20.8346	-20.1202	-20.0728
-19.7892	-19.2972	-19.2958	-19.2948	-19.1416	-19.0904	-19.0580	-18.9154
-18.8936	-18.3895	-17.9413	-17.9190	-17.7856	-17.7851	-17.7840	-17.7830
-17.7825	-17.7818	-17.4548	-15.2172	-15.2098	-15.2054	-14.4768	-14.4762
-14.4744	-13.9227	-13.9154	-12.6725	-12.3975	-12.3650	-12.2594	-12.2193

-12.0273	-12.0254	-12.0235	-12.0232	-12.0197	-12.0155	-11.8512	-11.2343
-11.2295	-11.2205	-10.9792	-10.7208	-10.5084	-10.0613	-9.6718	-9.6691
-9.6635	-8.9676	-8.9572	-8.9490	-8.9014	-8.8704	-8.8471	-8.7481
-8.7207	-8.7157	-8.7084	-8.6425	-8.5754	-8.5538	-8.4325	-7.9269
-7.9236	-7.9152	-7.9091	-7.9067	-7.9039	-7.7670	-7.7658	-7.7641
-7.7552	-7.6479	-7.5688	-7.5095	-7.4163	-7.3977	-7.3495	-6.9820
-6.9312	-6.8877	-6.8733	-6.8714	-6.8672	-6.6298	-6.1802	-6.1594
-5.8203	-5.8164	-5.8096	-5.7863	-5.7007	-5.5730	-5.4920	-5.4916
-5.4897	-5.3361	-5.3262	-5.2302	-5.2252	-5.2161	-5.1617	-5.1602
-5.1561	-5.1379	-5.1294	-5.1270	-5.0515	-4.7162	-3.8795	-3.8458
-3.3732	-2.9544	-2.9493	-2.9446	-1.0419	-1.0381	-1.0048	0.4733
0.4770	0.4818	1.6831	1.7344	1.7435	1.8416	1.9021	1.9773
2.1046	2.1863	2.3042	2.4600	2.4755	2.4977	2.7748	2.7830
2.7904	2.9465	2.9492	2.9502	2.9593	2.9633	2.9680	

k = 0.3254-0.5636 0.0000 (64824 PWs) bands (ev):

-21.3165	-21.2640	-21.1124	-20.8633	-20.8286	-20.8230	-20.1267	-20.0680
-19.7872	-19.3202	-19.3192	-19.2475	-19.1452	-19.0911	-19.0615	-18.9140
-18.8876	-18.3893	-17.9425	-17.9185	-17.8440	-17.8423	-17.7719	-17.7700
-17.7370	-17.7353	-17.4551	-15.2288	-15.2115	-15.2034	-14.4977	-14.4596
-14.4577	-13.9648	-13.8753	-12.6736	-12.3978	-12.3623	-12.2580	-12.2179
-12.1077	-12.1052	-12.0161	-12.0092	-11.9498	-11.9457	-11.8511	-11.2706
-11.2386	-11.1807	-10.9766	-10.7192	-10.5074	-10.0588	-9.7074	-9.7015
-9.5955	-9.0306	-8.9273	-8.9189	-8.9152	-8.8809	-8.8275	-8.7514
-8.7458	-8.7021	-8.6959	-8.6463	-8.5730	-8.5487	-8.4301	-7.9761
-7.9583	-7.9101	-7.9044	-7.8724	-7.8660	-7.8341	-7.7557	-7.7313
-7.7293	-7.6526	-7.5751	-7.5054	-7.4152	-7.3951	-7.3466	-6.9893
-6.9302	-6.9000	-6.8967	-6.8844	-6.8142	-6.6252	-6.1847	-6.1576
-5.8537	-5.8461	-5.7867	-5.7507	-5.7002	-5.5782	-5.5089	-5.4918
-5.4831	-5.3325	-5.3148	-5.2526	-5.2358	-5.2264	-5.2191	-5.1440
-5.1394	-5.1183	-5.1062	-5.0999	-5.0503	-4.7151	-3.8816	-3.8449
-3.3737	-2.9791	-2.9394	-2.9328	-1.1016	-1.0052	-0.9785	0.4694
0.4755	0.4906	1.6838	1.7242	1.7535	1.8420	1.9028	1.9767
2.1051	2.1870	2.3054	2.4414	2.4856	2.5075	2.7481	2.7963
2.8047	2.8737	2.8765	2.9422	2.9599	3.0401	3.0445	

k = 0.3175-0.5499 0.0000 (64838 PWs) bands (ev):

-21.3239	-21.2581	-21.1089	-20.8870	-20.8155	-20.8098	-20.1403	-20.0597
-19.7810	-19.3436	-19.3425	-19.1982	-19.1549	-19.0991	-19.0651	-18.9056
-18.8752	-18.3884	-17.9455	-17.9176	-17.9024	-17.9006	-17.7593	-17.7575
-17.6888	-17.6871	-17.4563	-15.2484	-15.2182	-15.2102	-14.5182	-14.4309
-14.4290	-14.0122	-13.8338	-12.6766	-12.3990	-12.3547	-12.2536	-12.2135
-12.1900	-12.1875	-12.0079	-12.0008	-11.8745	-11.8704	-11.8508	-11.3140
-11.2563	-11.1362	-10.9679	-10.7151	-10.5043	-10.0515	-9.7448	-9.7389
-9.5208	-9.1023	-8.9373	-8.9003	-8.9001	-8.8869	-8.8122	-8.7698
-8.7469	-8.6863	-8.6812	-8.6574	-8.5655	-8.5353	-8.4237	-8.0274
-8.0097	-7.9046	-7.9015	-7.8977	-7.8305	-7.8235	-7.7572	-7.6938
-7.6917	-7.6666	-7.5904	-7.4984	-7.4090	-7.3874	-7.3392	-7.0057
-6.9276	-6.9269	-6.9243	-6.8805	-6.7563	-6.6108	-6.1942	-6.1561
-5.8917	-5.8839	-5.7883	-5.6991	-5.6864	-5.5932	-5.5433	-5.4905
-5.4750	-5.3134	-5.3057	-5.2956	-5.2792	-5.2534	-5.2444	-5.1303
-5.1262	-5.0802	-5.0605	-5.0562	-5.0468	-4.7116	-3.8868	-3.8433
-3.3753	-3.0085	-2.9290	-2.9225	-1.1628	-1.0065	-0.9177	0.4679
0.4744	0.5034	1.6858	1.7102	1.7670	1.8434	1.9051	1.9749
2.1068	2.1896	2.3082	2.4133	2.5025	2.5232	2.7155	2.7928
2.7959	2.8164	2.8241	2.9348	2.9526	3.1037	3.1276	

k = 0.3095-0.5361 0.0000 (64836 PWs) bands (ev):

-21.3345	-21.2496	-21.1035	-20.9103	-20.8017	-20.7960	-20.1559	-20.0532
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-19.7704	-19.3664	-19.3654	-19.1689	-19.1484	-19.1200	-19.0613	-18.8905
-18.8602	-18.3870	-17.9604	-17.9585	-17.9496	-17.9169	-17.7463	-17.7444
-17.6401	-17.6384	-17.4582	-15.2677	-15.2344	-15.2268	-14.5383	-14.3919
-14.3898	-14.0636	-13.7918	-12.6815	-12.4013	-12.3425	-12.2721	-12.2696
-12.2462	-12.2062	-11.9993	-11.9922	-11.8501	-11.7988	-11.7946	-11.3597
-11.2784	-11.0970	-10.9509	-10.7096	-10.4994	-10.0396	-9.7818	-9.7760
-9.4470	-9.1746	-8.9615	-8.9205	-8.8812	-8.8580	-8.8275	-8.7878
-8.7189	-8.6734	-8.6699	-8.6652	-8.5541	-8.5169	-8.4143	-8.0803
-8.0627	-7.9696	-7.8977	-7.8924	-7.7880	-7.7808	-7.7600	-7.6886
-7.6539	-7.6517	-7.6103	-7.4946	-7.3951	-7.3753	-7.3286	-7.0257
-6.9545	-6.9512	-6.9215	-6.8813	-6.6977	-6.5870	-6.2064	-6.1570
-5.9322	-5.9242	-5.7916	-5.6981	-5.6260	-5.6158	-5.5862	-5.4868
-5.4649	-5.3650	-5.3352	-5.2850	-5.2743	-5.2732	-5.2653	-5.1157
-5.1120	-5.0411	-5.0366	-5.0123	-5.0091	-4.7061	-3.8939	-3.8420
-3.3779	-3.0374	-2.9219	-2.9155	-1.2249	-1.0086	-0.8563	0.4701
0.4770	0.5157	1.6893	1.6953	1.7811	1.8458	1.9090	1.9720
2.1096	2.1946	2.3111	2.3867	2.5206	2.5402	2.6833	2.7155
2.7179	2.8342	2.8423	2.9268	2.9449	3.0731	3.2099	

k = 0.3016-0.5224 0.0000 (64832 PWs) bands (ev):

-21.3469	-21.2393	-21.0966	-20.9329	-20.7873	-20.7816	-20.1721	-20.0499
-19.7557	-19.3886	-19.3876	-19.1857	-19.1479	-19.0980	-19.0535	-18.8715
-18.8435	-18.3850	-18.0178	-18.0159	-17.9544	-17.9168	-17.7326	-17.7307
-17.5909	-17.5891	-17.4611	-15.2866	-15.2584	-15.2511	-14.5579	-14.3443
-14.3420	-14.1184	-13.7493	-12.6879	-12.4048	-12.3542	-12.3517	-12.3257
-12.2362	-12.1960	-11.9904	-11.9833	-11.8489	-11.7227	-11.7185	-11.4069
-11.3041	-11.0662	-10.9233	-10.7033	-10.4925	-10.0234	-9.8184	-9.8127
-9.3739	-9.2471	-8.9871	-8.9407	-8.8768	-8.8566	-8.8319	-8.7936
-8.6921	-8.6826	-8.6528	-8.6484	-8.5404	-8.4962	-8.4026	-8.1348
-8.1175	-8.0372	-7.8920	-7.8867	-7.7655	-7.7456	-7.7382	-7.7151
-7.6330	-7.6117	-7.6094	-7.4955	-7.3749	-7.3603	-7.3147	-7.0471
-6.9808	-6.9775	-6.9139	-6.8873	-6.6386	-6.5555	-6.2209	-6.1607
-5.9751	-5.9670	-5.7964	-5.6983	-5.6441	-5.6326	-5.5757	-5.4796
-5.4531	-5.4260	-5.3819	-5.2962	-5.2873	-5.2545	-5.2469	-5.1001
-5.0966	-5.0336	-4.9920	-4.9632	-4.9607	-4.6986	-3.9022	-3.8417
-3.3818	-3.0655	-2.9180	-2.9118	-1.2879	-1.0117	-0.7942	0.4759
0.4833	0.5273	1.6797	1.6941	1.7955	1.8490	1.9146	1.9682
2.1137	2.2019	2.3108	2.3655	2.5388	2.5573	2.6380	2.6401
2.6525	2.8539	2.8620	2.9184	2.9366	3.0423	3.2109	

k = 0.2936-0.5086 0.0000 (64836 PWs) bands (ev):

-21.3603	-21.2280	-21.0884	-20.9550	-20.7723	-20.7666	-20.1882	-20.0497
-19.7376	-19.4103	-19.4093	-19.2043	-19.1788	-19.0471	-19.0440	-18.8505
-18.8256	-18.3826	-18.0748	-18.0727	-17.9595	-17.9176	-17.7184	-17.7165
-17.5412	-17.5394	-17.4648	-15.3052	-15.2882	-15.2814	-14.5771	-14.2900
-14.2874	-14.1762	-13.7063	-12.6958	-12.4359	-12.4334	-12.4095	-12.3057
-12.2238	-12.1830	-11.9812	-11.9740	-11.8469	-11.6463	-11.6420	-11.4548
-11.3328	-11.0442	-10.8853	-10.6968	-10.4837	-10.0033	-9.8547	-9.8490
-9.3196	-9.3018	-9.0141	-8.9606	-8.8903	-8.8880	-8.8085	-8.7857
-8.7122	-8.6458	-8.6351	-8.6310	-8.5249	-8.4748	-8.3893	-8.1909
-8.1738	-8.1049	-7.8864	-7.8810	-7.7791	-7.7388	-7.7032	-7.6957
-7.6577	-7.5676	-7.5652	-7.5001	-7.3527	-7.3423	-7.2974	-7.0687
-7.0064	-7.0031	-6.9042	-6.8973	-6.5790	-6.5185	-6.2377	-6.1668
-6.0205	-6.0122	-5.8025	-5.7006	-5.6839	-5.6729	-5.5548	-5.4874
-5.4682	-5.4400	-5.3996	-5.3185	-5.3097	-5.2282	-5.2134	-5.0836
-5.0802	-5.0245	-4.9476	-4.9137	-4.9116	-4.6894	-3.9113	-3.8428
-3.3869	-3.0929	-2.9174	-2.9112	-1.3518	-1.0156	-0.7314	0.4854
0.4932	0.5382	1.6637	1.6999	1.8102	1.8530	1.9218	1.9637
2.1189	2.2110	2.3012	2.3561	2.5443	2.5528	2.5744	2.5858
2.6220	2.8743	2.8824	2.9096	2.9279	3.0122	3.1766	

k = 0.2857-0.4949 0.0000 (64842 PWs) bands (ev):

-21.3743	-21.2158	-21.0792	-20.9765	-20.7567	-20.7511	-20.2042	-20.0523
-19.7169	-19.4314	-19.4304	-19.2248	-19.2104	-19.0337	-18.9957	-18.8288
-18.8066	-18.3797	-18.1312	-18.1291	-17.9651	-17.9193	-17.7036	-17.7017
-17.4910	-17.4892	-17.4694	-15.3255	-15.3207	-15.3157	-14.5958	-14.2368
-14.2305	-14.2275	-13.6629	-12.7048	-12.5174	-12.5149	-12.4151	-12.2821
-12.2095	-12.1676	-11.9717	-11.9645	-11.8442	-11.5695	-11.5652	-11.5029
-11.3638	-11.0288	-10.8396	-10.6902	-10.4728	-9.9799	-9.8906	-9.8850
-9.3920	-9.2306	-9.0423	-8.9803	-8.9256	-8.9072	-8.7876	-8.7717
-8.7329	-8.6167	-8.6129	-8.6104	-8.5083	-8.4535	-8.3745	-8.2485
-8.2315	-8.1724	-7.8808	-7.8754	-7.8074	-7.7526	-7.6831	-7.6609
-7.6533	-7.5217	-7.5192	-7.5072	-7.3349	-7.3181	-7.2766	-7.0904
-7.0314	-7.0280	-6.9102	-6.8923	-6.5189	-6.4778	-6.2571	-6.1750
-6.0682	-6.0597	-5.8095	-5.7332	-5.7070	-5.7052	-5.5798	-5.5488
-5.4525	-5.4260	-5.3721	-5.3408	-5.3321	-5.2034	-5.1769	-5.0664
-5.0631	-5.0142	-4.9037	-4.8640	-4.8622	-4.6786	-3.9210	-3.8453
-3.3933	-3.1196	-2.9198	-2.9139	-1.4164	-1.0204	-0.6680	0.4984
0.5067	0.5486	1.6473	1.7069	1.8251	1.8577	1.9308	1.9591
2.1254	2.2204	2.2839	2.3581	2.4773	2.4809	2.5840	2.5904
2.6027	2.8948	2.8980	2.9058	2.9189	2.9827	3.1256	

k = 0.2778-0.4811 0.0000 (64838 PWs) bands (ev):

-21.3886	-21.2028	-21.0691	-20.9974	-20.7405	-20.7349	-20.2199	-20.0569
-19.6945	-19.4519	-19.4509	-19.2510	-19.2374	-19.0227	-18.9437	-18.8072
-18.7861	-18.3763	-18.1871	-18.1849	-17.9708	-17.9220	-17.6883	-17.6864
-17.4750	-17.4403	-17.4385	-15.3610	-15.3547	-15.3393	-14.6141	-14.2996
-14.1671	-14.1638	-13.6190	-12.7146	-12.5986	-12.5962	-12.4214	-12.2556
-12.1936	-12.1500	-11.9620	-11.9547	-11.8407	-11.5508	-11.4924	-11.4881
-11.3965	-11.0171	-10.7893	-10.6839	-10.4598	-9.9540	-9.9261	-9.9206
-9.4642	-9.1605	-9.0718	-8.9997	-8.9607	-8.9291	-8.7690	-8.7566
-8.7539	-8.5977	-8.5943	-8.5772	-8.4907	-8.4328	-8.3586	-8.3075
-8.2907	-8.2398	-7.8753	-7.8698	-7.8446	-7.7630	-7.7068	-7.6187
-7.6111	-7.5161	-7.4743	-7.4718	-7.3204	-7.2904	-7.2525	-7.1117
-7.0556	-7.0523	-6.9247	-6.8784	-6.4584	-6.4350	-6.2792	-6.1852
-6.1182	-6.1093	-5.8170	-5.7837	-5.7420	-5.7118	-5.6282	-5.6102
-5.4329	-5.4111	-5.3634	-5.3546	-5.3214	-5.1789	-5.1395	-5.0483
-5.0451	-5.0028	-4.8606	-4.8142	-4.8126	-4.6664	-3.9311	-3.8492
-3.4011	-3.1456	-2.9254	-2.9195	-1.4819	-1.0260	-0.6040	0.5148
0.5235	0.5583	1.6306	1.7146	1.8402	1.8629	1.9417	1.9546
2.1331	2.2250	2.2701	2.3639	2.4018	2.4052	2.5628	2.6045
2.6220	2.8892	2.9065	2.9178	2.9266	2.9546	3.0710	

k = 0.2698-0.4674 0.0000 (64830 PWs) bands (ev):

-21.4029	-21.1893	-21.0581	-21.0177	-20.7238	-20.7182	-20.2353	-20.0632
-19.6714	-19.4718	-19.4709	-19.2839	-19.2579	-19.0113	-18.8912	-18.7864
-18.7643	-18.3726	-18.2426	-18.2403	-17.9769	-17.9256	-17.6725	-17.6705
-17.4815	-17.3891	-17.3872	-15.4010	-15.3950	-15.3565	-14.6319	-14.3644
-14.1006	-14.0969	-13.5746	-12.7251	-12.6796	-12.6772	-12.4283	-12.2263
-12.1762	-12.1306	-11.9519	-11.9445	-11.8365	-11.5978	-11.4305	-11.4150
-11.4106	-11.0077	-10.7369	-10.6774	-10.4445	-9.9612	-9.9558	-9.9261
-9.5363	-9.1025	-9.0913	-9.0192	-8.9943	-8.9517	-8.7749	-8.7525
-8.7421	-8.5781	-8.5753	-8.5468	-8.4723	-8.4128	-8.3679	-8.3513
-8.3418	-8.3069	-7.8858	-7.8699	-7.8644	-7.7789	-7.7240	-7.5768
-7.5690	-7.5264	-7.4257	-7.4231	-7.3071	-7.2624	-7.2258	-7.1327
-7.0792	-7.0758	-6.9403	-6.8626	-6.3977	-6.3910	-6.3041	-6.1970
-6.1703	-6.1609	-5.8346	-5.8249	-5.7776	-5.7199	-5.6837	-5.6713
-5.4102	-5.3956	-5.3858	-5.3770	-5.2646	-5.1546	-5.1016	-5.0296
-5.0264	-4.9907	-4.8183	-4.7644	-4.7629	-4.6531	-3.9416	-3.8546

-3.4102	-3.1709	-2.9339	-2.9282	-1.5481	-1.0325	-0.5393	0.5344
0.5436	0.5675	1.6136	1.7231	1.8553	1.8689	1.9504	1.9543
2.1418	2.2152	2.2713	2.3230	2.3272	2.3787	2.5351	2.6262
2.6436	2.8785	2.8971	2.9212	2.9416	2.9496	3.0170	

k = 0.2619-0.4536 0.0000 (64842 PWs) bands (ev):

-21.4172	-21.1752	-21.0465	-21.0374	-20.7064	-20.7009	-20.2503	-20.0706
-19.6488	-19.4912	-19.4903	-19.3186	-19.2758	-18.9995	-18.8381	-18.7665
-18.7413	-18.3684	-18.2975	-18.2951	-17.9831	-17.9301	-17.6561	-17.6541
-17.4890	-17.3375	-17.3355	-15.4428	-15.4371	-15.3730	-14.6492	-14.4308
-14.0317	-14.0277	-13.5298	-12.7603	-12.7579	-12.7360	-12.4355	-12.1946
-12.1577	-12.1099	-11.9416	-11.9342	-11.8323	-11.6431	-11.4653	-11.3372
-11.3327	-10.9994	-10.6877	-10.6668	-10.4267	-9.9959	-9.9906	-9.8973
-9.6081	-9.1341	-9.0397	-9.0248	-9.0233	-8.9744	-8.7956	-8.7379
-8.7288	-8.5582	-8.5558	-8.5196	-8.4530	-8.4295	-8.4132	-8.3938
-8.3732	-8.3240	-7.9290	-7.8645	-7.8590	-7.8036	-7.7324	-7.5378
-7.5350	-7.5271	-7.3761	-7.3736	-7.2944	-7.2352	-7.1970	-7.1533
-7.1020	-7.0985	-6.9565	-6.8450	-6.3468	-6.3373	-6.3320	-6.2245
-6.2136	-6.2104	-5.8857	-5.8328	-5.8132	-5.7416	-5.7322	-5.7289
-5.4082	-5.3993	-5.3849	-5.3795	-5.2060	-5.1305	-5.0636	-5.0101
-5.0070	-4.9780	-4.7769	-4.7145	-4.7132	-4.6387	-3.9524	-3.8615
-3.4206	-3.1955	-2.9452	-2.9396	-1.6151	-1.0398	-0.4740	0.5572
0.5667	0.5763	1.5965	1.7319	1.8704	1.8755	1.9470	1.9686
2.1504	2.1971	2.2459	2.2497	2.2885	2.3890	2.5085	2.6483
2.6662	2.8671	2.8860	2.8953	2.9420	2.9720	2.9819	

k = 0.2540-0.4399 0.0000 (64852 PWs) bands (ev):

-21.4313	-21.1605	-21.0566	-21.0342	-20.6885	-20.6830	-20.2649	-20.0789
-19.6278	-19.5100	-19.5091	-19.3538	-19.2910	-18.9872	-18.7846	-18.7474
-18.7174	-18.3640	-18.3519	-18.3494	-17.9895	-17.9356	-17.6391	-17.6371
-17.4976	-17.2853	-17.2833	-15.4859	-15.4804	-15.3890	-14.6661	-14.4987
-13.9610	-13.9565	-13.4845	-12.8407	-12.8384	-12.7472	-12.4430	-12.1607
-12.1382	-12.0883	-11.9310	-11.9235	-11.8294	-11.6852	-11.5002	-11.2592
-11.2546	-10.9920	-10.6713	-10.6232	-10.4063	-10.0302	-10.0249	-9.8683
-9.6797	-9.1660	-9.0642	-9.0489	-8.9968	-8.9565	-8.8161	-8.7251
-8.7168	-8.5404	-8.5355	-8.4958	-8.4923	-8.4762	-8.4368	-8.4329
-8.3760	-8.3054	-7.9738	-7.8593	-7.8537	-7.8342	-7.7348	-7.5499
-7.4936	-7.4855	-7.3259	-7.3234	-7.2820	-7.2093	-7.1734	-7.1662
-7.1241	-7.1205	-6.9729	-6.8255	-6.3628	-6.3036	-6.2907	-6.2805
-6.2541	-6.2252	-5.9367	-5.8476	-5.8405	-5.8003	-5.7927	-5.7382
-5.4305	-5.4214	-5.3628	-5.3579	-5.1472	-5.1067	-5.0257	-4.9900
-4.9870	-4.9650	-4.7365	-4.6648	-4.6636	-4.6235	-3.9635	-3.8698
-3.4325	-3.2193	-2.9592	-2.9537	-1.6827	-1.0478	-0.4080	0.5820
0.5848	0.5934	1.5793	1.7410	1.8829	1.8853	1.9444	1.9847
2.1532	2.1715	2.1744	2.1846	2.3050	2.4007	2.4836	2.6704
2.6896	2.8551	2.8662	2.8745	2.8982	2.9883	2.9993	

k = 0.2460-0.4261 0.0000 (64858 PWs) bands (ev):

-21.4453	-21.1453	-21.0751	-21.0214	-20.6700	-20.6645	-20.2791	-20.0878
-19.6100	-19.5282	-19.5273	-19.3891	-19.3026	-18.9747	-18.7305	-18.7288
-18.6932	-18.4058	-18.4032	-18.3593	-17.9960	-17.9419	-17.6216	-17.6196
-17.5071	-17.2327	-17.2307	-15.5298	-15.5245	-15.4045	-14.6825	-14.5678
-13.8887	-13.8839	-13.4387	-12.9208	-12.9185	-12.7586	-12.4506	-12.1248
-12.1178	-12.0661	-11.9202	-11.9127	-11.8314	-11.7206	-11.5344	-11.1808
-11.1762	-10.9850	-10.6659	-10.5695	-10.3827	-10.0640	-10.0588	-9.8403
-9.7510	-9.1971	-9.0911	-9.0681	-9.0187	-8.8908	-8.8361	-8.7138
-8.7062	-8.5565	-8.5406	-8.5400	-8.5136	-8.4827	-8.4758	-8.4122
-8.3594	-8.2859	-8.0196	-7.8676	-7.8541	-7.8485	-7.7339	-7.5627
-7.4524	-7.4441	-7.2752	-7.2727	-7.2696	-7.1929	-7.1850	-7.1455

-7.1416	-7.1343	-6.9895	-6.8044	-6.3966	-6.3387	-6.3331	-6.2631
-6.2413	-6.2070	-5.9876	-5.8795	-5.8594	-5.8529	-5.8479	-5.7474
-5.4529	-5.4435	-5.3455	-5.3295	-5.0888	-5.0832	-4.9879	-4.9692
-4.9662	-4.9517	-4.6970	-4.6152	-4.6140	-4.6076	-3.9748	-3.8795
-3.4459	-3.2424	-2.9757	-2.9704	-1.7510	-1.0564	-0.3415	0.5914
0.6116	0.6222	1.5620	1.7499	1.8912	1.8998	1.9429	2.0023
2.0972	2.0999	2.1402	2.1883	2.3247	2.4112	2.4621	2.6913
2.7137	2.8311	2.8425	2.8548	2.8620	2.9794	3.0243	

k = 0.2381-0.4124 0.0000 (64854 PWs) bands (ev):

-21.4589	-21.1296	-21.0931	-21.0080	-20.6509	-20.6454	-20.2930	-20.0970
-19.5969	-19.5459	-19.5449	-19.4244	-19.3090	-18.9618	-18.7106	-18.6759
-18.6688	-18.4591	-18.4565	-18.3542	-18.0027	-17.9492	-17.6035	-17.6015
-17.5176	-17.1796	-17.1775	-15.5744	-15.5692	-15.4194	-14.6984	-14.6380
-13.8153	-13.8101	-13.3925	-13.0005	-12.9983	-12.7700	-12.4583	-12.0970
-12.0872	-12.0438	-11.9092	-11.9016	-11.8447	-11.7435	-11.5666	-11.1021
-11.0974	-10.9784	-10.6617	-10.5166	-10.3553	-10.0973	-10.0922	-9.8220
-9.8146	-9.2261	-9.1172	-9.0855	-9.0400	-8.8556	-8.8266	-8.7040
-8.6969	-8.6215	-8.6058	-8.5889	-8.4912	-8.4789	-8.4596	-8.3907
-8.3445	-8.2658	-8.0662	-7.9026	-7.8490	-7.8433	-7.7309	-7.5758
-7.4118	-7.4031	-7.2573	-7.2244	-7.2219	-7.2119	-7.1659	-7.1623
-7.1618	-7.1014	-7.0059	-6.7819	-6.4332	-6.3984	-6.3915	-6.2587
-6.2280	-6.1453	-6.0381	-5.9184	-5.9127	-5.9062	-5.8549	-5.7563
-5.4752	-5.4655	-5.3277	-5.3002	-5.0600	-5.0311	-4.9503	-4.9477
-4.9448	-4.9383	-4.6586	-4.5912	-4.5658	-4.5647	-3.9863	-3.8906
-3.4606	-3.2647	-2.9945	-2.9894	-1.8200	-1.0656	-0.2742	0.5985
0.6427	0.6537	1.5448	1.7585	1.9007	1.9135	1.9429	2.0211
2.0236	2.0261	2.1204	2.2011	2.3458	2.4130	2.4518	2.7058
2.7380	2.7903	2.8242	2.8292	2.8488	2.9445	3.0498	

k = 0.2302-0.3987 0.0000 (64836 PWs) bands (ev):

-21.4722	-21.1134	-21.1105	-20.9940	-20.6313	-20.6258	-20.3064	-20.1064
-19.5904	-19.5630	-19.5620	-19.4596	-19.3089	-18.9485	-18.6928	-18.6444
-18.6207	-18.5120	-18.5093	-18.3490	-18.0096	-17.9572	-17.5849	-17.5828
-17.5291	-17.1260	-17.1239	-15.6193	-15.6143	-15.4339	-14.7140	-14.7088
-13.7408	-13.7354	-13.3458	-13.0800	-13.0778	-12.7812	-12.4659	-12.0759
-12.0479	-12.0221	-11.8980	-11.8903	-11.8709	-11.7531	-11.5948	-11.0232
-11.0184	-10.9721	-10.6580	-10.4663	-10.3228	-10.1300	-10.1250	-9.8928
-9.7928	-9.2514	-9.1415	-9.1020	-9.0608	-8.8747	-8.7638	-8.6955
-8.6895	-8.6867	-8.6719	-8.6526	-8.4679	-8.4593	-8.4474	-8.3685
-8.3316	-8.2450	-8.1133	-7.9384	-7.8441	-7.8383	-7.7261	-7.5892
-7.3720	-7.3627	-7.2449	-7.2303	-7.1852	-7.1806	-7.1734	-7.1710
-7.1410	-7.0681	-7.0222	-6.7581	-6.4724	-6.4598	-6.4524	-6.2770
-6.2033	-6.0877	-6.0823	-5.9773	-5.9721	-5.9232	-5.8616	-5.7645
-5.4977	-5.4874	-5.3094	-5.2703	-5.0371	-4.9745	-4.9256	-4.9249
-4.9227	-4.9131	-4.6212	-4.5743	-4.5166	-4.5156	-3.9980	-3.9029
-3.4768	-3.2864	-3.0156	-3.0106	-1.8895	-1.0754	-0.2064	0.6052
0.6762	0.6877	1.5277	1.7664	1.9113	1.9247	1.9440	1.9516
1.9541	2.0407	2.1006	2.2167	2.3658	2.4012	2.4594	2.6936
2.7592	2.7744	2.7991	2.8155	2.8349	2.9083	3.0480	

k = 0.2222-0.3849 0.0000 (64820 PWs) bands (ev):

-21.4852	-21.1273	-21.0967	-20.9796	-20.6110	-20.6055	-20.3194	-20.1161
-19.5912	-19.5794	-19.5785	-19.4943	-19.3014	-18.9350	-18.6753	-18.6202
-18.5652	-18.5642	-18.5615	-18.3435	-18.0166	-17.9661	-17.5657	-17.5636
-17.5416	-17.0720	-17.0699	-15.6644	-15.6596	-15.4479	-14.7807	-14.7286
-13.6656	-13.6598	-13.2986	-13.1590	-13.1569	-12.7922	-12.4735	-12.0552
-12.0072	-12.0028	-11.9026	-11.8866	-11.8788	-11.7582	-11.6152	-10.9661
-10.9440	-10.9391	-10.6549	-10.4203	-10.2843	-10.1623	-10.1574	-9.9632

-9.7767	-9.2716	-9.1637	-9.1177	-9.0809	-8.8932	-8.7549	-8.7398
-8.7193	-8.7029	-8.6863	-8.6810	-8.4438	-8.4391	-8.4366	-8.3457
-8.3211	-8.2235	-8.1605	-7.9746	-7.8392	-7.8334	-7.7198	-7.6024
-7.3338	-7.3235	-7.2482	-7.2325	-7.2028	-7.1973	-7.1228	-7.1213
-7.1204	-7.0382	-7.0345	-6.7333	-6.5227	-6.5151	-6.5141	-6.2965
-6.1959	-6.1346	-6.0358	-6.0311	-6.0189	-5.9252	-5.8680	-5.7720
-5.5202	-5.5092	-5.2906	-5.2402	-5.0145	-4.9190	-4.9116	-4.9027
-4.8999	-4.8764	-4.5849	-4.5572	-4.4678	-4.4668	-4.0098	-3.9164
-3.4944	-3.3073	-3.0388	-3.0339	-1.9596	-1.0855	-0.1380	0.6114
0.7119	0.7238	1.5108	1.7733	1.8782	1.8807	1.9233	1.9325
1.9538	2.0573	2.0853	2.2339	2.3687	2.4020	2.4746	2.6512
2.7635	2.7824	2.7917	2.8051	2.8203	2.8773	3.0249	

k = 0.2143-0.3712 0.0000 (64816 PWs) bands (ev):

-21.4979	-21.1436	-21.0796	-20.9647	-20.5902	-20.5847	-20.3320	-20.1257
-19.5995	-19.5954	-19.5945	-19.5283	-19.2869	-18.9211	-18.6581	-18.6161
-18.6132	-18.5963	-18.5089	-18.3379	-18.0237	-17.9757	-17.5551	-17.5460
-17.5439	-17.0175	-17.0154	-15.7096	-15.7050	-15.4613	-14.8530	-14.7431
-13.5899	-13.5837	-13.2510	-13.2377	-13.2356	-12.8029	-12.4811	-12.0363
-11.9925	-11.9651	-11.9272	-11.8750	-11.8671	-11.7673	-11.6237	-10.9603
-10.8645	-10.8595	-10.6522	-10.3791	-10.2390	-10.1940	-10.1892	-10.0334
-9.7680	-9.2857	-9.1829	-9.1327	-9.1003	-8.9112	-8.8226	-8.8077
-8.7857	-8.6821	-8.6753	-8.6407	-8.4349	-8.4189	-8.4125	-8.3222
-8.3142	-8.2068	-8.2013	-8.0107	-7.8344	-7.8286	-7.7122	-7.6154
-7.2999	-7.2880	-7.2655	-7.2200	-7.2163	-7.2094	-7.1030	-7.0725
-7.0702	-7.0539	-7.0010	-6.7080	-6.5872	-6.5794	-6.5579	-6.3168
-6.2139	-6.1735	-6.0941	-6.0896	-5.9554	-5.9095	-5.8743	-5.7786
-5.5429	-5.5306	-5.2713	-5.2099	-4.9921	-4.8985	-4.8797	-4.8767
-4.8641	-4.8401	-4.5496	-4.5400	-4.4194	-4.4184	-4.0217	-3.9311
-3.5135	-3.3275	-3.0638	-3.0591	-2.0303	-1.0960	-0.0689	0.6171
0.7497	0.7621	1.4941	1.7791	1.8075	1.8097	1.9340	1.9386
1.9652	2.0538	2.0921	2.2523	2.3512	2.4235	2.4926	2.6011
2.7429	2.7825	2.7850	2.8047	2.8245	2.8607	3.0022	

k = 0.2063-0.3574 0.0000 (64820 PWs) bands (ev):

-21.5101	-21.1592	-21.0619	-20.9493	-20.5687	-20.5633	-20.3441	-20.1354
-19.6146	-19.6107	-19.6098	-19.5610	-19.2666	-18.9069	-18.6673	-18.6644
-18.6412	-18.5727	-18.4522	-18.3322	-18.0309	-17.9861	-17.5695	-17.5257
-17.5236	-16.9626	-16.9604	-15.7548	-15.7503	-15.4743	-14.9257	-14.7570
-13.5136	-13.5071	-13.3160	-13.3140	-13.2028	-12.8132	-12.4885	-12.0288
-11.9970	-11.9290	-11.9217	-11.8633	-11.8553	-11.7821	-11.6193	-10.9547
-10.7847	-10.7797	-10.6500	-10.3424	-10.2252	-10.2204	-10.1879	-10.1032
-9.7678	-9.2943	-9.1973	-9.1468	-9.1191	-8.9286	-8.8913	-8.8766
-8.8525	-8.6762	-8.6698	-8.5825	-8.4348	-8.3933	-8.3874	-8.3141
-8.2980	-8.2491	-8.1785	-8.0461	-7.8298	-7.8239	-7.7039	-7.6276
-7.2822	-7.2790	-7.2679	-7.2140	-7.2080	-7.2074	-7.0861	-7.0693
-7.0228	-7.0206	-6.9675	-6.6828	-6.6530	-6.6451	-6.6028	-6.3380
-6.2540	-6.2044	-6.1520	-6.1477	-5.8921	-5.8806	-5.8794	-5.7842
-5.5657	-5.5515	-5.2515	-5.1797	-4.9701	-4.8856	-4.8556	-4.8526
-4.8111	-4.8043	-4.5227	-4.5155	-4.3714	-4.3704	-4.0338	-3.9469
-3.5339	-3.3469	-3.0906	-3.0860	-2.1014	-1.1068	0.0008	0.6225
0.7892	0.8021	1.4777	1.7377	1.7398	1.7837	1.9365	1.9526
1.9778	2.0390	2.1123	2.2716	2.3310	2.4488	2.5122	2.5501
2.7185	2.7666	2.7724	2.7879	2.8522	2.8678	2.9803	

k = 0.1984-0.3437 0.0000 (64802 PWs) bands (ev):

-21.5220	-21.1742	-21.0438	-20.9336	-20.5467	-20.5413	-20.3559	-20.1450
-19.6358	-19.6255	-19.6246	-19.5917	-19.2418	-18.8925	-18.7181	-18.7151
-18.6246	-18.5494	-18.3950	-18.3263	-18.0382	-17.9971	-17.5850	-17.5049

-17.5028	-16.9073	-16.9051	-15.7999	-15.7955	-15.4868	-14.9988	-14.7704
-13.4371	-13.4302	-13.3938	-13.3919	-13.1542	-12.8231	-12.4957	-12.0528
-11.9881	-11.9183	-11.8772	-11.8515	-11.8434	-11.7971	-11.6050	-10.9493
-10.7047	-10.6996	-10.6483	-10.3087	-10.2557	-10.2511	-10.1726	-10.1324
-9.7762	-9.3006	-9.2039	-9.1598	-9.1372	-8.9607	-8.9462	-8.9454
-8.9193	-8.6714	-8.6652	-8.5255	-8.4388	-8.3670	-8.3613	-8.3322
-8.2766	-8.2732	-8.1551	-8.0800	-7.8253	-7.8194	-7.6961	-7.6379
-7.2983	-7.2791	-7.2727	-7.1949	-7.1866	-7.1846	-7.0843	-7.0708
-6.9738	-6.9717	-6.9343	-6.7201	-6.7121	-6.6663	-6.6404	-6.3598
-6.3013	-6.2369	-6.2094	-6.2053	-5.8871	-5.8400	-5.8298	-5.7886
-5.5887	-5.5710	-5.2313	-5.1496	-4.9482	-4.8730	-4.8309	-4.8280
-4.7692	-4.7593	-4.5055	-4.4825	-4.3239	-4.3229	-4.0459	-3.9637
-3.5558	-3.3656	-3.1190	-3.1145	-2.1730	-1.1177	0.0711	0.6275
0.8305	0.8438	1.4616	1.6692	1.6712	1.7871	1.9370	1.9683
1.9903	2.0255	2.1339	2.2912	2.3113	2.4753	2.4996	2.5337
2.6937	2.7495	2.7509	2.7706	2.8812	2.8890	2.9591	

k = 0.1905-0.3299 0.0000 (64806 PWs) bands (ev):

-21.5334	-21.1887	-21.0252	-20.9174	-20.5241	-20.5188	-20.3671	-20.1546
-19.6623	-19.6397	-19.6388	-19.6200	-19.2138	-18.8777	-18.7683	-18.7652
-18.6083	-18.5267	-18.3373	-18.3204	-18.0457	-18.0088	-17.6014	-17.4835
-17.4814	-16.8516	-16.8493	-15.8449	-15.8406	-15.4989	-15.0723	-14.7833
-13.4715	-13.4695	-13.3599	-13.3529	-13.1052	-12.8323	-12.5027	-12.0882
-11.9767	-11.9098	-11.8397	-11.8321	-11.8310	-11.8032	-11.5844	-10.9441
-10.6473	-10.6245	-10.6192	-10.2858	-10.2811	-10.2767	-10.2415	-10.0741
-9.7921	-9.3088	-9.1999	-9.1710	-9.1546	-9.0307	-9.0165	-8.9861
-8.9616	-8.6672	-8.6612	-8.4701	-8.4471	-8.3707	-8.3400	-8.3345
-8.2872	-8.2478	-8.1311	-8.1113	-7.8209	-7.8150	-7.6912	-7.6441
-7.3138	-7.2900	-7.2859	-7.1826	-7.1516	-7.1489	-7.0988	-7.0570
-6.9257	-6.9238	-6.9017	-6.7885	-6.7804	-6.7030	-6.6258	-6.3819
-6.3502	-6.2728	-6.2664	-6.2623	-5.8940	-5.7952	-5.7918	-5.7705
-5.6118	-5.5872	-5.2106	-5.1199	-4.9266	-4.8607	-4.8056	-4.8027
-4.7348	-4.7090	-4.4886	-4.4507	-4.2771	-4.2761	-4.0582	-3.9815
-3.5790	-3.3836	-3.1488	-3.1444	-2.2451	-1.1287	0.1420	0.6321
0.8733	0.8870	1.4459	1.6019	1.6038	1.7894	1.9353	1.9836
2.0017	2.0173	2.1551	2.2902	2.3131	2.4509	2.5030	2.5563
2.6694	2.7288	2.7314	2.7526	2.9111	2.9155	2.9391	

k = 0.1825-0.3162 0.0000 (64790 PWs) bands (ev):

-21.5444	-21.2026	-21.0062	-20.9008	-20.5010	-20.4956	-20.3780	-20.1640
-19.6925	-19.6533	-19.6524	-19.6465	-19.1835	-18.8627	-18.8179	-18.8148
-18.5923	-18.5044	-18.3144	-18.2791	-18.0532	-18.0211	-17.6187	-17.4616
-17.4594	-16.7955	-16.7931	-15.8896	-15.8854	-15.5104	-15.1459	-14.7957
-13.5485	-13.5465	-13.2829	-13.2756	-13.0557	-12.8410	-12.5096	-12.1255
-11.9763	-11.9033	-11.8278	-11.8195	-11.7948	-11.7851	-11.5598	-10.9391
-10.6470	-10.5441	-10.5387	-10.3178	-10.3117	-10.3062	-10.2458	-10.0142
-9.8138	-9.3208	-9.1930	-9.1723	-9.1712	-9.1012	-9.0873	-9.0528
-8.9772	-8.6636	-8.6578	-8.4610	-8.4164	-8.4144	-8.3122	-8.3069
-8.2965	-8.2216	-8.1381	-8.1065	-7.8167	-7.8107	-7.6927	-7.6428
-7.3287	-7.3037	-7.3006	-7.1706	-7.1141	-7.1130	-7.1105	-7.0449
-6.8786	-6.8770	-6.8701	-6.8579	-6.8498	-6.7498	-6.6015	-6.4041
-6.3995	-6.3229	-6.3188	-6.3111	-5.9014	-5.7938	-5.7471	-5.7212
-5.6353	-5.5933	-5.1895	-5.0907	-4.9052	-4.8488	-4.7798	-4.7769
-4.7011	-4.6601	-4.4720	-4.4200	-4.2309	-4.2299	-4.0707	-4.0001
-3.6036	-3.4009	-3.1800	-3.1757	-2.3176	-1.1397	0.2135	0.6364
0.9173	0.9315	1.4306	1.5361	1.5379	1.7906	1.9304	1.9934
2.0120	2.0204	2.1747	2.2714	2.3325	2.4058	2.5314	2.5804
2.6467	2.7090	2.7124	2.7338	2.9184	2.9428	2.9450	

k = 0.1746-0.3024 0.0000 (64760 PWs) bands (ev):

-21.5550	-21.2158	-20.9867	-20.8838	-20.4772	-20.4719	-20.3884	-20.1734
-19.7249	-19.6722	-19.6663	-19.6654	-19.1515	-18.8670	-18.8638	-18.8474
-18.5767	-18.4827	-18.3084	-18.2204	-18.0608	-18.0340	-17.6369	-17.4392
-17.4369	-16.7390	-16.7366	-15.9341	-15.9300	-15.5214	-15.2197	-14.8075
-13.6250	-13.6231	-13.2058	-13.1981	-13.0058	-12.8489	-12.5162	-12.1627
-11.9919	-11.8908	-11.8159	-11.8075	-11.7751	-11.7376	-11.5326	-10.9344
-10.6475	-10.4634	-10.4579	-10.3803	-10.3424	-10.3383	-10.2152	-9.9543
-9.8385	-9.3357	-9.1991	-9.1872	-9.1722	-9.1586	-9.1503	-9.1194
-8.9921	-8.6606	-8.6549	-8.4859	-8.4522	-8.3643	-8.3109	-8.2837
-8.2786	-8.1949	-8.1588	-8.0814	-7.8126	-7.8065	-7.7002	-7.6349
-7.3430	-7.3180	-7.3153	-7.1594	-7.1267	-7.0758	-7.0715	-7.0351
-6.9285	-6.9204	-6.8436	-6.8327	-6.8313	-6.7920	-6.5780	-6.4488
-6.4255	-6.3788	-6.3747	-6.3508	-5.9093	-5.7947	-5.6981	-5.6969
-5.6589	-5.5730	-5.1679	-5.0621	-4.8840	-4.8373	-4.7533	-4.7504
-4.6682	-4.6128	-4.4558	-4.3905	-4.1855	-4.1845	-4.0833	-4.0195
-3.6296	-3.4174	-3.2123	-3.2081	-2.3905	-1.1506	0.2857	0.6404
0.9625	0.9771	1.4158	1.4718	1.4735	1.7910	1.9220	1.9963
2.0258	2.0305	2.1915	2.2529	2.3402	2.3767	2.5604	2.6058
2.6266	2.6921	2.6926	2.7140	2.9000	2.9743	2.9755	

k = 0.1667-0.2887 0.0000 (64766 PWs) bands (ev):

-21.5652	-21.2285	-20.9668	-20.8665	-20.4529	-20.4476	-20.3983	-20.1826
-19.7582	-19.6975	-19.6788	-19.6779	-19.1183	-18.9156	-18.9123	-18.8319
-18.5614	-18.4617	-18.3024	-18.1612	-18.0686	-18.0473	-17.6559	-17.4162
-17.4139	-16.6821	-16.6797	-15.9783	-15.9743	-15.5319	-15.2936	-14.8189
-13.7010	-13.6992	-13.1288	-13.1208	-12.9554	-12.8562	-12.5227	-12.1992
-12.0183	-11.8726	-11.8041	-11.7955	-11.7493	-11.6892	-11.5037	-10.9300
-10.6491	-10.4483	-10.3827	-10.3773	-10.3698	-10.3660	-10.1847	-9.9033
-9.8563	-9.3520	-9.2436	-9.2304	-9.2078	-9.2024	-9.1858	-9.1181
-9.0064	-8.6581	-8.6524	-8.5266	-8.4778	-8.3322	-8.3142	-8.2545
-8.2495	-8.1727	-8.1675	-8.0557	-7.8087	-7.8026	-7.7107	-7.6236
-7.3567	-7.3322	-7.3297	-7.1499	-7.1401	-7.0372	-7.0325	-7.0285
-6.9999	-6.9918	-6.8547	-6.7944	-6.7882	-6.7873	-6.5579	-6.4979
-6.4444	-6.4341	-6.4298	-6.3914	-5.9179	-5.7945	-5.7030	-5.6829
-5.6455	-5.5245	-5.1459	-5.0341	-4.8630	-4.8261	-4.7262	-4.7234
-4.6363	-4.5671	-4.4401	-4.3622	-4.1410	-4.1399	-4.0961	-4.0396
-3.6568	-3.4332	-3.2457	-3.2416	-2.4637	-1.1614	0.3584	0.6440
1.0087	1.0238	1.4014	1.4091	1.4107	1.7905	1.9110	1.9996
2.0394	2.0421	2.2037	2.2351	2.3123	2.3890	2.5899	2.6096
2.6327	2.6718	2.6788	2.6934	2.8822	3.0063	3.0078	

k = 0.1587-0.2749 0.0000 (64760 PWs) bands (ev):

-21.5749	-21.2406	-20.9464	-20.8488	-20.4280	-20.4227	-20.4078	-20.1917
-19.7921	-19.7228	-19.6907	-19.6898	-19.0843	-18.9637	-18.9603	-18.8161
-18.5464	-18.4412	-18.2966	-18.1015	-18.0766	-18.0610	-17.6758	-17.3926
-17.3903	-16.6250	-16.6225	-16.0222	-16.0182	-15.5420	-15.3675	-14.8297
-13.7765	-13.7747	-13.0518	-13.0435	-12.9045	-12.8626	-12.5288	-12.2346
-12.0496	-11.8512	-11.7924	-11.7837	-11.7203	-11.6400	-11.4736	-10.9258
-10.6520	-10.5160	-10.3971	-10.3931	-10.3015	-10.2957	-10.1542	-9.9089
-9.8185	-9.3687	-9.3153	-9.3023	-9.2522	-9.2167	-9.2158	-9.0811
-9.0201	-8.6559	-8.6503	-8.5736	-8.5000	-8.3596	-8.2659	-8.2246
-8.2197	-8.1806	-8.1396	-8.0295	-7.8049	-7.7987	-7.7224	-7.6109
-7.3697	-7.3461	-7.3437	-7.1530	-7.1441	-7.0726	-7.0644	-7.0266
-6.9983	-6.9935	-6.8897	-6.7670	-6.7454	-6.7450	-6.5468	-6.5454
-6.4886	-6.4839	-6.4566	-6.4324	-5.9272	-5.7933	-5.7198	-5.7071
-5.5931	-5.4640	-5.1236	-5.0067	-4.8421	-4.8155	-4.6986	-4.6957
-4.6052	-4.5230	-4.4249	-4.3351	-4.1093	-4.0974	-4.0963	-4.0601
-3.6854	-3.4483	-3.2800	-3.2760	-2.5372	-1.1720	0.4317	0.6474
1.0558	1.0713	1.3480	1.3496	1.3876	1.7892	1.8986	2.0047

2.0505	2.0526	2.2068	2.2190	2.2846	2.4126	2.5953	2.6204
2.6493	2.6605	2.6708	2.6721	2.8651	3.0389	3.0413	

k = 0.1508-0.2612 0.0000 (64762 PWs) bands (ev):

-21.5842	-21.2522	-20.9256	-20.8309	-20.4168	-20.4025	-20.3973	-20.2007
-19.8261	-19.7479	-19.7020	-19.7011	-19.0498	-19.0112	-19.0078	-18.8001
-18.5318	-18.4215	-18.2908	-18.0850	-18.0748	-18.0413	-17.6965	-17.3685
-17.3662	-16.5675	-16.5649	-16.0657	-16.0618	-15.5515	-15.4415	-14.8401
-13.8514	-13.8497	-12.9752	-12.9665	-12.8683	-12.8532	-12.5348	-12.2689
-12.0830	-11.8281	-11.7808	-11.7720	-11.6895	-11.5900	-11.4429	-10.9220
-10.6562	-10.5834	-10.4229	-10.4191	-10.2204	-10.2143	-10.1237	-9.9370
-9.7587	-9.3871	-9.3853	-9.3744	-9.3183	-9.2304	-9.2225	-9.0409
-9.0332	-8.6540	-8.6486	-8.6220	-8.5227	-8.3913	-8.2195	-8.1940
-8.1892	-8.1845	-8.1110	-8.0028	-7.8012	-7.7950	-7.7348	-7.5977
-7.3821	-7.3596	-7.3571	-7.1654	-7.1462	-7.1458	-7.1375	-7.0304
-6.9599	-6.9548	-6.9162	-6.7369	-6.7057	-6.7047	-6.5953	-6.5468
-6.5416	-6.5361	-6.4736	-6.4559	-5.9372	-5.7911	-5.7409	-5.7317
-5.5402	-5.3992	-5.1008	-4.9802	-4.8215	-4.8053	-4.6703	-4.6675
-4.5752	-4.4807	-4.4103	-4.3093	-4.1230	-4.0809	-4.0549	-4.0538
-3.7152	-3.4626	-3.3151	-3.3113	-2.6111	-1.1822	0.5056	0.6505
1.1035	1.1194	1.2889	1.2904	1.3743	1.7873	1.8856	2.0112
2.0566	2.0613	2.1929	2.2061	2.2742	2.4389	2.5835	2.6269
2.6481	2.6523	2.6648	2.6920	2.8490	3.0721	3.0757	

k = 0.1429-0.2474 0.0000 (64722 PWs) bands (ev):

-21.5930	-21.2631	-20.9043	-20.8126	-20.4254	-20.3764	-20.3712	-20.2097
-19.8601	-19.7729	-19.7127	-19.7118	-19.0581	-19.0546	-19.0149	-18.7839
-18.5175	-18.4025	-18.2851	-18.0948	-18.0875	-17.9806	-17.7180	-17.3439
-17.3416	-16.5098	-16.5071	-16.1088	-16.1050	-15.5606	-15.5154	-14.8499
-13.9258	-13.9241	-12.8988	-12.8898	-12.8731	-12.8014	-12.5404	-12.3018
-12.1173	-11.8038	-11.7696	-11.7606	-11.6576	-11.5392	-11.4119	-10.9185
-10.6620	-10.6505	-10.4477	-10.4440	-10.1391	-10.1328	-10.0931	-9.9665
-9.6973	-9.4589	-9.4466	-9.4016	-9.3842	-9.2434	-9.2275	-9.0455
-8.9989	-8.6705	-8.6525	-8.6471	-8.5468	-8.4256	-8.1860	-8.1752
-8.1626	-8.1579	-8.0817	-7.9756	-7.7977	-7.7915	-7.7475	-7.5845
-7.3940	-7.3727	-7.3702	-7.2196	-7.2113	-7.1775	-7.1625	-7.0358
-6.9291	-6.9216	-6.9164	-6.7067	-6.6733	-6.6692	-6.6436	-6.5905
-6.5823	-6.5609	-6.5147	-6.4434	-5.9477	-5.7883	-5.7639	-5.7566
-5.4868	-5.3323	-5.0777	-4.9546	-4.8011	-4.7956	-4.6415	-4.6387
-4.5462	-4.4402	-4.3964	-4.2847	-4.1376	-4.1015	-4.0135	-4.0124
-3.7463	-3.4762	-3.3510	-3.3472	-2.6852	-1.1920	0.5800	0.6534
1.1519	1.1682	1.2316	1.2331	1.3615	1.7848	1.8725	2.0188
2.0522	2.0708	2.1721	2.1908	2.2808	2.4668	2.5729	2.6033
2.6256	2.6663	2.6831	2.7225	2.8337	3.1059	3.1109	

k = 0.1349-0.2337 0.0000 (64734 PWs) bands (ev):

-21.6013	-21.2734	-20.8826	-20.7940	-20.4336	-20.3498	-20.3446	-20.2186
-19.8940	-19.7977	-19.7228	-19.7220	-19.1045	-19.1010	-18.9797	-18.7675
-18.5036	-18.3843	-18.2796	-18.1077	-18.0975	-17.9194	-17.7401	-17.3187
-17.3164	-16.4518	-16.4491	-16.1516	-16.1478	-15.5892	-15.5692	-14.8592
-13.9995	-13.9979	-12.8770	-12.8229	-12.8136	-12.7492	-12.5458	-12.3332
-12.1516	-11.7783	-11.7586	-11.7495	-11.6251	-11.4877	-11.3809	-10.9153
-10.7173	-10.6697	-10.4714	-10.4679	-10.0629	-10.0578	-10.0511	-9.9947
-9.6365	-9.5307	-9.5187	-9.4499	-9.4174	-9.2555	-9.2305	-9.0573
-8.9557	-8.7186	-8.6512	-8.6459	-8.5719	-8.4613	-8.1862	-8.1333
-8.1302	-8.1260	-8.0519	-7.9480	-7.7944	-7.7882	-7.7605	-7.5716
-7.4051	-7.3859	-7.3832	-7.2937	-7.2852	-7.1960	-7.1892	-7.0358
-6.9321	-6.8838	-6.8786	-6.6915	-6.6771	-6.6724	-6.6661	-6.6077
-6.5981	-6.5811	-6.5557	-6.4255	-5.9590	-5.7881	-5.7848	-5.7818

-5.4332	-5.2642	-5.0542	-4.9300	-4.7864	-4.7809	-4.6122	-4.6093
-4.5183	-4.4015	-4.3833	-4.2613	-4.1536	-4.1212	-3.9734	-3.9722
-3.7786	-3.4891	-3.3875	-3.3838	-2.7595	-1.2015	0.6550	0.6561
1.1764	1.1779	1.2007	1.2174	1.3494	1.7818	1.8598	2.0270
2.0375	2.0797	2.1515	2.1757	2.2970	2.4959	2.5629	2.5787
2.6011	2.6735	2.7153	2.7542	2.8198	3.1403	3.1468	

k = 0.1270-0.2199 0.0000 (64750 PWs) bands (ev):

-21.6092	-21.2832	-20.8605	-20.7752	-20.4412	-20.3226	-20.3174	-20.2274
-19.9278	-19.8221	-19.7324	-19.7315	-19.1504	-19.1468	-18.9445	-18.7509
-18.4901	-18.3669	-18.2744	-18.1224	-18.1061	-17.8577	-17.7629	-17.2930
-17.2906	-16.3937	-16.3909	-16.1939	-16.1903	-15.6629	-15.5773	-14.8679
-14.0724	-14.0709	-12.8800	-12.7476	-12.7379	-12.6965	-12.5510	-12.3632
-12.1858	-11.7519	-11.7481	-11.7388	-11.5922	-11.4356	-11.3504	-10.9126
-10.7837	-10.6794	-10.4939	-10.4905	-10.0390	-10.0149	-9.9764	-9.9692
-9.6022	-9.5906	-9.5774	-9.5155	-9.4324	-9.2667	-9.2307	-9.0683
-8.9121	-8.7659	-8.6502	-8.6449	-8.5976	-8.4978	-8.1856	-8.0984
-8.0935	-8.0921	-8.0215	-7.9199	-7.7913	-7.7850	-7.7738	-7.5592
-7.4157	-7.4029	-7.3990	-7.3646	-7.3559	-7.2421	-7.2005	-7.0298
-6.9301	-6.8469	-6.8417	-6.7390	-6.7121	-6.7088	-6.6491	-6.6026
-6.5963	-6.5795	-6.5738	-6.4062	-5.9708	-5.8131	-5.8074	-5.7807
-5.3795	-5.1953	-5.0304	-4.9063	-4.7777	-4.7609	-4.5822	-4.5794
-4.4917	-4.3709	-4.3647	-4.2393	-4.1718	-4.1393	-3.9347	-3.9335
-3.8120	-3.5013	-3.4245	-3.4209	-2.8341	-1.2105	0.6584	0.7307
1.1235	1.1248	1.2498	1.2668	1.3378	1.7781	1.8475	2.0141
2.0358	2.0881	2.1326	2.1618	2.3193	2.5240	2.5531	2.5551
2.5756	2.6853	2.7481	2.7843	2.8095	3.1750	3.1836	

k = 0.1190-0.2062 0.0000 (64710 PWs) bands (ev):

-21.6167	-21.2923	-20.8381	-20.7561	-20.4484	-20.2948	-20.2897	-20.2363
-19.9613	-19.8460	-19.7414	-19.7405	-19.1957	-19.1920	-18.9093	-18.7342
-18.4769	-18.3505	-18.2694	-18.1376	-18.1142	-17.7956	-17.7863	-17.2667
-17.2643	-16.3355	-16.3326	-16.2358	-16.2323	-15.7364	-15.5849	-14.8762
-14.1446	-14.1432	-12.8821	-12.6731	-12.6630	-12.6432	-12.5558	-12.3915
-12.2194	-11.7381	-11.7286	-11.7246	-11.5594	-11.3827	-11.3205	-10.9103
-10.8498	-10.6912	-10.5151	-10.5118	-10.0526	-9.9953	-9.8951	-9.8872
-9.6734	-9.6622	-9.5807	-9.5214	-9.4465	-9.2771	-9.2273	-9.0788
-8.8690	-8.8119	-8.6493	-8.6441	-8.6233	-8.5345	-8.1847	-8.0649
-8.0602	-8.0541	-7.9905	-7.8914	-7.7883	-7.7875	-7.7820	-7.5474
-7.4534	-7.4469	-7.4256	-7.4003	-7.3961	-7.2954	-7.2115	-7.0204
-6.9258	-6.8140	-6.8097	-6.7862	-6.7561	-6.7539	-6.6368	-6.6364
-6.6098	-6.5462	-6.5421	-6.3868	-5.9833	-5.8387	-5.8334	-5.7763
-5.3258	-5.1257	-5.0062	-4.8838	-4.7695	-4.7412	-4.5518	-4.5489
-4.4663	-4.3594	-4.3298	-4.2185	-4.1923	-4.1556	-3.8975	-3.8962
-3.8466	-3.5128	-3.4620	-3.4584	-2.9088	-1.2190	0.6606	0.8070
1.0728	1.0741	1.2990	1.3165	1.3269	1.7741	1.8357	1.9863
2.0446	2.0959	2.1149	2.1493	2.3460	2.5264	2.5349	2.5491
2.5656	2.7007	2.7790	2.7917	2.8267	3.2099	3.2210	

k = 0.1111-0.1925 0.0000 (64778 PWs) bands (ev):

-21.6236	-21.3009	-20.8152	-20.7369	-20.4552	-20.2664	-20.2613	-20.2453
-19.9946	-19.8694	-19.7498	-19.7489	-19.2405	-19.2367	-18.8743	-18.7174
-18.4641	-18.3350	-18.2648	-18.1530	-18.1223	-17.8102	-17.7330	-17.2399
-17.2375	-16.2792	-16.2757	-16.2748	-16.2728	-15.8098	-15.5920	-14.8839
-14.2160	-14.2147	-12.8833	-12.5999	-12.5899	-12.5881	-12.5604	-12.4183
-12.2522	-11.7288	-11.7191	-11.6964	-11.5268	-11.3293	-11.2917	-10.9154
-10.9084	-10.7053	-10.5349	-10.5317	-10.0746	-9.9648	-9.8139	-9.8051
-9.7441	-9.7333	-9.6458	-9.4730	-9.4569	-9.2865	-9.2193	-9.0885
-8.8562	-8.8276	-8.6486	-8.6476	-8.6435	-8.5707	-8.1838	-8.0309

-8.0263	-8.0182	-7.9590	-7.8626	-7.8017	-7.7855	-7.7792	-7.5364
-7.5277	-7.5203	-7.4349	-7.4129	-7.4100	-7.3527	-7.2222	-7.0094
-6.9207	-6.8329	-6.8232	-6.8206	-6.7608	-6.7560	-6.6759	-6.6565
-6.5858	-6.5137	-6.5103	-6.3681	-5.9964	-5.8649	-5.8598	-5.7716
-5.2721	-5.0556	-4.9818	-4.8624	-4.7619	-4.7218	-4.5208	-4.5179
-4.4422	-4.3487	-4.2969	-4.2146	-4.1989	-4.1705	-3.8822	-3.8618
-3.8605	-3.5237	-3.4997	-3.4962	-2.9837	-1.2269	0.6626	0.8837
1.0246	1.0258	1.3167	1.3484	1.3663	1.7696	1.8246	1.9564
2.0533	2.0974	2.1031	2.1381	2.3761	2.4987	2.5215	2.5277
2.5951	2.7185	2.7766	2.8183	2.8606	3.2440	3.2453	

k = 0.1032-0.1787 0.0000 (64728 PWs) bands (ev):

-21.6301	-21.3089	-20.7919	-20.7175	-20.4615	-20.2543	-20.2374	-20.2324
-20.0276	-19.8920	-19.7576	-19.7568	-19.2847	-19.2809	-18.8395	-18.7004
-18.4517	-18.3205	-18.2607	-18.1682	-18.1302	-17.8345	-17.6699	-17.2126
-17.2101	-16.3185	-16.3150	-16.2189	-16.2159	-15.8830	-15.5986	-14.8911
-14.2864	-14.2851	-12.8837	-12.5646	-12.5367	-12.5256	-12.5158	-12.4433
-12.2842	-11.7204	-11.7104	-11.6673	-11.4946	-11.2753	-11.2642	-10.9807
-10.9070	-10.7216	-10.5530	-10.5500	-10.0947	-9.9334	-9.8141	-9.8036
-9.7330	-9.7229	-9.7106	-9.4742	-9.4241	-9.2946	-9.2054	-9.0976
-8.8969	-8.7919	-8.6675	-8.6481	-8.6430	-8.6059	-8.1831	-7.9963
-7.9917	-7.9845	-7.9268	-7.8334	-7.8162	-7.7828	-7.7765	-7.6045
-7.5970	-7.5262	-7.4435	-7.4230	-7.4204	-7.4121	-7.2328	-6.9976
-6.9153	-6.8792	-6.8699	-6.8670	-6.7282	-6.7228	-6.7145	-6.6800
-6.5584	-6.4828	-6.4799	-6.3503	-6.0101	-5.8915	-5.8866	-5.7666
-5.2186	-4.9849	-4.9571	-4.8422	-4.7547	-4.7026	-4.4892	-4.4864
-4.4195	-4.3389	-4.2661	-4.2380	-4.1844	-4.1807	-3.9189	-3.8279
-3.8266	-3.5392	-3.5357	-3.5309	-3.0587	-1.2343	0.6644	0.9610
0.9789	0.9802	1.3070	1.3979	1.4161	1.7647	1.8142	1.9263
2.0615	2.0802	2.1097	2.1283	2.4088	2.4700	2.4929	2.5188
2.6274	2.7379	2.7665	2.8536	2.8967	3.1545	3.2776	

k = 0.0952-0.1650 0.0000 (64778 PWs) bands (ev):

-21.6361	-21.3163	-20.7683	-20.6980	-20.4673	-20.2636	-20.2079	-20.2029
-20.0604	-19.9137	-19.7649	-19.7640	-19.3284	-19.3245	-18.8052	-18.6834
-18.4398	-18.3072	-18.2572	-18.1830	-18.1381	-17.8592	-17.6063	-17.1847
-17.1822	-16.3591	-16.3556	-16.1609	-16.1577	-15.9560	-15.6048	-14.8977
-14.3558	-14.3546	-12.8831	-12.5686	-12.4818	-12.4665	-12.4547	-12.4441
-12.3151	-11.7129	-11.7027	-11.6374	-11.4631	-11.2385	-11.2206	-11.0456
-10.9061	-10.7399	-10.5694	-10.5665	-10.1124	-9.9016	-9.8831	-9.8731
-9.7751	-9.6529	-9.6407	-9.4854	-9.3893	-9.3013	-9.1863	-9.1060
-8.9318	-8.7707	-8.6764	-8.6476	-8.6426	-8.6369	-8.1827	-7.9612
-7.9566	-7.9530	-7.8942	-7.8314	-7.8039	-7.7804	-7.7741	-7.6822
-7.6746	-7.5178	-7.4720	-7.4515	-7.4320	-7.4295	-7.2432	-6.9857
-6.9250	-6.9195	-6.9165	-6.9100	-6.7522	-6.7034	-6.6924	-6.6870
-6.5309	-6.4537	-6.4512	-6.3336	-6.0243	-5.9187	-5.9138	-5.7616
-5.1653	-4.9321	-4.9139	-4.8233	-4.7481	-4.6839	-4.4572	-4.4543
-4.3984	-4.3303	-4.2620	-4.2373	-4.1977	-4.1638	-3.9564	-3.7959
-3.7945	-3.5766	-3.5732	-3.5420	-3.1339	-1.2411	0.6660	0.9359
0.9371	1.0390	1.2981	1.4472	1.4657	1.7595	1.8044	1.8970
2.0635	2.0688	2.1155	2.1206	2.4403	2.4432	2.4632	2.5102
2.6602	2.7519	2.7631	2.8901	2.9339	3.0645	3.3046	

k = 0.0873-0.1512 0.0000 (64776 PWs) bands (ev):

-21.6417	-21.3231	-20.7443	-20.6784	-20.4726	-20.2731	-20.1778	-20.1728
-20.0927	-19.9345	-19.7715	-19.7707	-19.3715	-19.3676	-18.7714	-18.6665
-18.4283	-18.2954	-18.2546	-18.1968	-18.1459	-17.8840	-17.5423	-17.1563
-17.1538	-16.3992	-16.3958	-16.1032	-16.1000	-16.0286	-15.6104	-14.9039
-14.4239	-14.4228	-12.8818	-12.5723	-12.4879	-12.4268	-12.3848	-12.3739

-12.3449	-11.7066	-11.6962	-11.6068	-11.4324	-11.2149	-11.1654	-11.1101
-10.9057	-10.7600	-10.5837	-10.5810	-10.1274	-9.9510	-9.9414	-9.8696
-9.8394	-9.5743	-9.5583	-9.4959	-9.3636	-9.3056	-9.1673	-9.1138
-8.9554	-8.7733	-8.6877	-8.6473	-8.6422	-8.6410	-8.1828	-7.9262
-7.9235	-7.9210	-7.8609	-7.8471	-7.7783	-7.7743	-7.7720	-7.7602
-7.7525	-7.5386	-7.5041	-7.4589	-7.4402	-7.4377	-7.2535	-6.9739
-6.9703	-6.9692	-6.9662	-6.9049	-6.7888	-6.7263	-6.6563	-6.6508
-6.5039	-6.4266	-6.4244	-6.3181	-6.0392	-5.9463	-5.9414	-5.7565
-5.1124	-4.9069	-4.8424	-4.8057	-4.7420	-4.6655	-4.4246	-4.4217
-4.3789	-4.3235	-4.2853	-4.2107	-4.2106	-4.1482	-3.9949	-3.7659
-3.7644	-3.6151	-3.6118	-3.5506	-3.2091	-1.2474	0.6675	0.8957
0.8970	1.1174	1.2898	1.4963	1.5152	1.7540	1.7954	1.8690
2.0477	2.0740	2.1147	2.1216	2.4095	2.4325	2.4776	2.5037
2.6932	2.7449	2.7820	2.9276	2.9720	2.9748	3.3082	

k = 0.0794-0.1375 0.0000 (64782 PWs) bands (ev):

-21.6467	-21.3293	-20.7200	-20.6588	-20.4775	-20.2829	-20.1471	-20.1422
-20.1247	-19.9541	-19.7776	-19.7768	-19.4140	-19.4101	-18.7384	-18.6495
-18.4173	-18.2858	-18.2531	-18.2085	-18.1535	-17.9089	-17.4778	-17.1273
-17.1248	-16.4389	-16.4355	-16.1014	-16.0459	-16.0425	-15.6156	-14.9095
-14.4905	-14.4896	-12.8797	-12.5756	-12.5075	-12.3733	-12.3714	-12.3167
-12.3053	-11.7017	-11.6911	-11.5755	-11.4030	-11.1938	-11.1743	-11.1097
-10.9057	-10.7814	-10.5959	-10.5933	-10.1398	-10.0175	-10.0084	-9.9034
-9.8375	-9.5055	-9.4993	-9.4759	-9.3455	-9.3055	-9.1592	-9.1209
-8.9589	-8.7901	-8.7164	-8.6470	-8.6420	-8.6118	-8.1835	-7.8978
-7.8909	-7.8869	-7.8634	-7.8365	-7.8297	-7.8272	-7.7760	-7.7696
-7.7446	-7.5988	-7.4979	-7.4657	-7.4476	-7.4452	-7.2640	-7.0188
-7.0156	-7.0151	-6.9625	-6.9001	-6.8240	-6.7482	-6.6202	-6.6148
-6.4773	-6.4017	-6.3997	-6.3039	-6.0546	-5.9743	-5.9694	-5.7515
-5.0599	-4.8815	-4.7895	-4.7706	-4.7364	-4.6477	-4.3916	-4.3887
-4.3618	-4.3232	-4.3026	-4.2230	-4.1863	-4.1339	-4.0341	-3.7380
-3.7365	-3.6537	-3.6505	-3.5584	-3.2844	-1.2530	0.6688	0.8586
0.8598	1.1964	1.2822	1.5451	1.5644	1.7483	1.7871	1.8429
2.0330	2.0760	2.1131	2.1264	2.3777	2.4007	2.4902	2.5205
2.7257	2.7367	2.8033	2.8856	2.9661	3.0109	3.2948	

k = 0.0714-0.1237 0.0000 (64788 PWs) bands (ev):

-21.6513	-21.3349	-20.6955	-20.6393	-20.4819	-20.2931	-20.1563	-20.1159
-20.1110	-19.9723	-19.7831	-19.7823	-19.4560	-19.4520	-18.7063	-18.6327
-18.4069	-18.2805	-18.2521	-18.2166	-18.1610	-17.9337	-17.4129	-17.0979
-17.0953	-16.4781	-16.4748	-16.1735	-15.9896	-15.9861	-15.6202	-14.9146
-14.5555	-14.5547	-12.8770	-12.5787	-12.5251	-12.4002	-12.3156	-12.2505
-12.2388	-11.6985	-11.6876	-11.5436	-11.3748	-11.2380	-11.1760	-11.0535
-10.9062	-10.8034	-10.6055	-10.6031	-10.1499	-10.0823	-10.0736	-9.9671
-9.8053	-9.5141	-9.4340	-9.3934	-9.3327	-9.2949	-9.1691	-9.1273
-8.9383	-8.8112	-8.7460	-8.6468	-8.6418	-8.5749	-8.1853	-7.9230
-7.9153	-7.8804	-7.8733	-7.8471	-7.8432	-7.7930	-7.7742	-7.7677
-7.7148	-7.6601	-7.4910	-7.4717	-7.4543	-7.4519	-7.2746	-7.0678
-7.0645	-7.0593	-6.9516	-6.8956	-6.8575	-6.7690	-6.5844	-6.5790
-6.4511	-6.3789	-6.3772	-6.2910	-6.0706	-6.0027	-5.9979	-5.7467
-5.0081	-4.8561	-4.7746	-4.7314	-4.6984	-4.6304	-4.3580	-4.3551
-4.3536	-4.3334	-4.3034	-4.2350	-4.1640	-4.1210	-4.0740	-3.7125
-3.7109	-3.6922	-3.6891	-3.5654	-3.3597	-1.2580	0.6700	0.8244
0.8256	1.2753	1.2759	1.5936	1.6132	1.7426	1.7795	1.8187
2.0195	2.0745	2.1153	2.1309	2.3449	2.3679	2.4844	2.5571
2.7281	2.7588	2.7968	2.8247	3.0054	3.0506	3.2776	

k = 0.0635-0.1100 0.0000 (64768 PWs) bands (ev):

-21.6554	-21.3399	-20.6707	-20.6200	-20.4858	-20.3036	-20.1874	-20.0840
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-20.0792	-19.9891	-19.7881	-19.7872	-19.4975	-19.4934	-18.6753	-18.6162
-18.3971	-18.2825	-18.2491	-18.2207	-18.1682	-17.9581	-17.3475	-17.0678
-17.0652	-16.5168	-16.5136	-16.2454	-15.9345	-15.9307	-15.6244	-14.9191
-14.6185	-14.6177	-12.8737	-12.5815	-12.5407	-12.4255	-12.2593	-12.1866
-12.1747	-11.6973	-11.6862	-11.5112	-11.3484	-11.3014	-11.1621	-10.9967
-10.9070	-10.8254	-10.6124	-10.6100	-10.1578	-10.1450	-10.1369	-10.0306
-9.7731	-9.5216	-9.3918	-9.3237	-9.3109	-9.2605	-9.1919	-9.1330
-8.9030	-8.8322	-8.7716	-8.6466	-8.6417	-8.5366	-8.1884	-8.0013
-7.9935	-7.8978	-7.8515	-7.8109	-7.8068	-7.7725	-7.7660	-7.7584
-7.7207	-7.6852	-7.4846	-7.4772	-7.4603	-7.4579	-7.2857	-7.1163
-7.1130	-7.1029	-6.9415	-6.8916	-6.8890	-6.7884	-6.5489	-6.5436
-6.4255	-6.3584	-6.3569	-6.2794	-6.0871	-6.0316	-6.0267	-5.7422
-4.9570	-4.8305	-4.7612	-4.7268	-4.6259	-4.6138	-4.3714	-4.3251
-4.3240	-4.3211	-4.2996	-4.2463	-4.1440	-4.1143	-4.1094	-3.7314
-3.7282	-3.6886	-3.6872	-3.5717	-3.4350	-1.2625	0.6710	0.7936
0.7947	1.2692	1.3560	1.6417	1.6616	1.7370	1.7726	1.7968
2.0075	2.0710	2.1198	2.1348	2.3110	2.3340	2.4783	2.5951
2.7084	2.7210	2.7908	2.8458	3.0457	3.0909	3.2590	

k = 0.0556-0.0962 0.0000 (64757 PWs) bands (ev):

-21.6590	-21.3443	-20.6458	-20.6011	-20.4891	-20.3146	-20.2179	-20.0516
-20.0468	-20.0042	-19.7924	-19.7916	-19.5384	-19.5342	-18.6459	-18.6000
-18.3880	-18.2911	-18.2435	-18.2217	-18.1751	-17.9818	-17.2817	-17.0373
-17.0347	-16.5551	-16.5519	-16.3171	-15.8809	-15.8770	-15.6281	-14.9231
-14.6788	-14.6782	-12.8700	-12.5839	-12.5542	-12.4491	-12.2027	-12.1255
-12.1132	-11.6984	-11.6870	-11.4783	-11.3643	-11.3239	-11.1528	-10.9395
-10.9082	-10.8463	-10.6162	-10.6138	-10.2054	-10.1977	-10.1640	-10.0937
-9.7410	-9.5282	-9.3753	-9.3188	-9.2283	-9.2190	-9.1997	-9.1381
-8.8747	-8.8487	-8.7822	-8.6465	-8.6416	-8.4988	-8.1934	-8.0813
-8.0734	-7.9157	-7.8322	-7.7797	-7.7732	-7.7708	-7.7685	-7.7642
-7.7233	-7.6559	-7.4819	-7.4789	-7.4656	-7.4631	-7.2973	-7.1643
-7.1609	-7.1458	-6.9321	-6.9183	-6.8880	-6.8062	-6.5138	-6.5084
-6.4004	-6.3402	-6.3388	-6.2692	-6.1042	-6.0609	-6.0560	-5.7380
-4.9070	-4.8050	-4.7493	-4.7229	-4.5980	-4.5530	-4.3957	-4.3128
-4.2963	-4.2896	-4.2866	-4.2566	-4.1549	-4.1263	-4.0992	-3.7701
-3.7669	-3.6678	-3.6663	-3.5773	-3.5103	-1.2664	0.6719	0.7660
0.7672	1.2637	1.4365	1.6893	1.7095	1.7315	1.7661	1.7777
1.9970	2.0667	2.1251	2.1383	2.2761	2.2991	2.4726	2.6205
2.6331	2.7146	2.8222	2.8664	3.0867	3.1319	3.2395	

k = 0.0476-0.0825 0.0000 (64769 PWs) bands (ev):

-21.6622	-21.3482	-20.6210	-20.5826	-20.4919	-20.3258	-20.2478	-20.0187
-20.0176	-20.0139	-19.7962	-19.7954	-19.5787	-19.5745	-18.6183	-18.5843
-18.3798	-18.3027	-18.2372	-18.2213	-18.1815	-18.0046	-17.2154	-17.0062
-17.0035	-16.5928	-16.5897	-16.3884	-15.8298	-15.8257	-15.6313	-14.9266
-14.7360	-14.7354	-12.8661	-12.5861	-12.5657	-12.4706	-12.1456	-12.0673
-12.0549	-11.7022	-11.6905	-11.4451	-11.4268	-11.3016	-11.1490	-10.9095
-10.8817	-10.8652	-10.6165	-10.6141	-10.2629	-10.2558	-10.1686	-10.1565
-9.7088	-9.5337	-9.3708	-9.3209	-9.2424	-9.1458	-9.1425	-9.1262
-8.8805	-8.8597	-8.7556	-8.6464	-8.6416	-8.4627	-8.2012	-8.1619
-8.1539	-7.9339	-7.8356	-7.8153	-7.7698	-7.7633	-7.7333	-7.7293
-7.6881	-7.6271	-7.4860	-7.4740	-7.4701	-7.4677	-7.3096	-7.2117
-7.2083	-7.1879	-6.9448	-6.9236	-6.8850	-6.8223	-6.4789	-6.4736
-6.3758	-6.3243	-6.3231	-6.2604	-6.1219	-6.0906	-6.0857	-5.7342
-4.8583	-4.7797	-4.7389	-4.7194	-4.5832	-4.4799	-4.4207	-4.3019
-4.2946	-4.2650	-4.2547	-4.2517	-4.1951	-4.1109	-4.0903	-3.8087
-3.8056	-3.6495	-3.6480	-3.5855	-3.5820	-1.2698	0.6726	0.7418
0.7430	1.2589	1.5176	1.7264	1.7363	1.7567	1.7570	1.7643
1.9879	2.0626	2.1304	2.1413	2.2401	2.2631	2.4676	2.5330
2.6702	2.7090	2.8527	2.8865	3.1286	3.1733	3.2193	

k = 0.0397-0.0687 0.0000 (64791 PWs) bands (ev):

-21.6648	-21.3514	-20.5964	-20.5651	-20.4941	-20.3373	-20.2768	-20.0290
-19.9851	-19.9804	-19.7994	-19.7986	-19.6185	-19.6142	-18.5930	-18.5695
-18.3725	-18.3153	-18.2313	-18.2201	-18.1874	-18.0258	-17.1487	-16.9746
-16.9719	-16.6301	-16.6270	-16.4593	-15.7819	-15.7775	-15.6340	-14.9295
-14.7891	-14.7884	-12.8621	-12.5880	-12.5751	-12.4898	-12.0881	-12.0127
-12.0000	-11.7091	-11.6971	-11.4890	-11.4118	-11.2818	-11.1514	-10.9108
-10.8813	-10.8236	-10.6130	-10.6105	-10.3173	-10.3107	-10.2190	-10.1719
-9.6768	-9.5382	-9.3703	-9.3353	-9.2550	-9.1462	-9.0632	-9.0481
-8.8960	-8.8778	-8.7051	-8.6464	-8.6415	-8.4292	-8.2428	-8.2347
-8.2131	-7.9518	-7.8869	-7.8011	-7.7687	-7.7622	-7.6934	-7.6894
-7.6527	-7.5992	-7.4894	-7.4740	-7.4716	-7.4699	-7.3227	-7.2586
-7.2551	-7.2291	-6.9682	-6.9160	-6.8823	-6.8365	-6.4445	-6.4392
-6.3518	-6.3108	-6.3098	-6.2530	-6.1401	-6.1208	-6.1158	-5.7308
-4.8116	-4.7548	-4.7301	-4.7165	-4.5695	-4.4454	-4.4065	-4.2981
-4.2907	-4.2710	-4.2339	-4.2194	-4.2164	-4.0978	-4.0827	-3.8472
-3.8442	-3.6615	-3.6335	-3.6317	-3.5861	-1.2726	0.6732	0.7212
0.7224	1.2549	1.5991	1.7217	1.7436	1.7585	1.7828	1.8034
1.9803	2.0588	2.1353	2.1439	2.2032	2.2262	2.4461	2.4634
2.7040	2.7058	2.8819	2.9061	3.1712	3.1988	3.2151	

k = 0.0317-0.0550 0.0000 (64763 PWs) bands (ev):

-21.6670	-21.3541	-20.5725	-20.5487	-20.4955	-20.3485	-20.3046	-20.0385
-19.9510	-19.9463	-19.8020	-19.8012	-19.6577	-19.6534	-18.5707	-18.5559
-18.3663	-18.3275	-18.2260	-18.2189	-18.1925	-18.0449	-17.0815	-16.9425
-16.9398	-16.6668	-16.6638	-16.5300	-15.7385	-15.7339	-15.6362	-14.9319
-14.8368	-14.8359	-12.8584	-12.5895	-12.5823	-12.5065	-12.0302	-11.9618
-11.9490	-11.7194	-11.7071	-11.5506	-11.3786	-11.2650	-11.1601	-10.9120
-10.8939	-10.7649	-10.6053	-10.6026	-10.3680	-10.3619	-10.2811	-10.1742
-9.6451	-9.5418	-9.3710	-9.3606	-9.2570	-9.1493	-8.9807	-8.9680
-8.9103	-8.8970	-8.6485	-8.6464	-8.6415	-8.3990	-8.3240	-8.3159
-8.2307	-7.9691	-7.9314	-7.7894	-7.7678	-7.7613	-7.6528	-7.6488
-7.6175	-7.5728	-7.4921	-7.4771	-7.4747	-7.4665	-7.3366	-7.3048
-7.3013	-7.2689	-6.9880	-6.9092	-6.8802	-6.8489	-6.4103	-6.4051
-6.3283	-6.2996	-6.2988	-6.2469	-6.1589	-6.1513	-6.1463	-5.7280
-4.7677	-4.7307	-4.7228	-4.7141	-4.5573	-4.4694	-4.3328	-4.3037
-4.2831	-4.2806	-4.2635	-4.1837	-4.1806	-4.0871	-4.0765	-3.8856
-3.8826	-3.7362	-3.6206	-3.6190	-3.5894	-1.2748	0.6737	0.7042
0.7054	1.2516	1.6811	1.7177	1.7317	1.7546	1.8286	1.8494
1.9742	2.0556	2.1394	2.1460	2.1653	2.1882	2.3597	2.4599
2.7004	2.7380	2.9095	2.9255	3.1784	3.2144	3.2203	

k = 0.0238-0.0412 0.0000 (64741 PWs) bands (ev):

-21.6687	-21.3562	-20.5502	-20.5344	-20.4958	-20.3591	-20.3305	-20.0460
-19.9163	-19.9117	-19.8040	-19.8032	-19.6963	-19.6919	-18.5521	-18.5440
-18.3614	-18.3385	-18.2217	-18.2177	-18.1966	-18.0612	-17.0140	-16.9098
-16.9071	-16.7031	-16.7001	-16.6002	-15.7013	-15.6964	-15.6379	-14.9338
-14.8774	-14.8763	-12.8552	-12.5909	-12.5874	-12.5202	-11.9718	-11.9151
-11.9022	-11.7336	-11.7211	-11.6119	-11.3457	-11.2515	-11.1749	-10.9129
-10.9031	-10.7059	-10.5931	-10.5901	-10.4146	-10.4091	-10.3429	-10.1758
-9.6139	-9.5445	-9.3904	-9.3721	-9.2544	-9.1517	-8.9221	-8.9138
-8.8983	-8.8871	-8.6463	-8.6415	-8.5910	-8.4055	-8.3972	-8.3733
-8.2553	-7.9848	-7.9667	-7.7803	-7.7670	-7.7606	-7.6116	-7.6076
-7.5832	-7.5489	-7.4938	-7.4796	-7.4772	-7.4639	-7.3508	-7.3505
-7.3469	-7.3067	-7.0038	-6.9032	-6.8785	-6.8593	-6.3766	-6.3714
-6.3053	-6.2909	-6.2903	-6.2422	-6.1823	-6.1782	-6.1773	-5.7258
-4.7282	-4.7172	-4.7123	-4.7079	-4.5467	-4.4917	-4.3202	-4.3007
-4.2767	-4.2687	-4.2590	-4.1476	-4.1445	-4.0787	-4.0717	-3.9237

-3.9208	-3.8112	-3.6105	-3.6089	-3.5920	-1.2766	0.6741	0.6909
0.6922	1.2490	1.7144	1.7223	1.7517	1.7633	1.8737	1.8945
1.9695	2.0530	2.1264	2.1428	2.1477	2.1492	2.2739	2.4571
2.6973	2.7658	2.9348	2.9447	3.1590	3.1870	3.2579	

k = 0.0159-0.0275 0.0000 (64687 PWs) bands (ev):

-21.6699	-21.3576	-20.5313	-20.5232	-20.4942	-20.3681	-20.3532	-20.0513
-19.8811	-19.8765	-19.8055	-19.8046	-19.7344	-19.7300	-18.5380	-18.5345
-18.3578	-18.3473	-18.2185	-18.2167	-18.1996	-18.0738	-16.9460	-16.8767
-16.8738	-16.7388	-16.7358	-16.6701	-15.6723	-15.6672	-15.6391	-14.9351
-14.9088	-14.9076	-12.8526	-12.5919	-12.5907	-12.5306	-11.9132	-11.8729
-11.8600	-11.7521	-11.7392	-11.6727	-11.3138	-11.2415	-11.1947	-10.9134
-10.9092	-10.6464	-10.5760	-10.5727	-10.4568	-10.4518	-10.4043	-10.1768
-9.5844	-9.5464	-9.4202	-9.3730	-9.2509	-9.1534	-8.9307	-8.9268
-8.8159	-8.8057	-8.6463	-8.6415	-8.5361	-8.4872	-8.4787	-8.3533
-8.2865	-7.9978	-7.9914	-7.7738	-7.7665	-7.7600	-7.5697	-7.5658
-7.5511	-7.5292	-7.4946	-7.4813	-7.4789	-7.4620	-7.3955	-7.3918
-7.3642	-7.3410	-7.0153	-6.8980	-6.8773	-6.8676	-6.3432	-6.3381
-6.2847	-6.2842	-6.2828	-6.2388	-6.2136	-6.2086	-6.1980	-5.7241
-4.7131	-4.7109	-4.6957	-4.6877	-4.5380	-4.5110	-4.3481	-4.3084
-4.2722	-4.2689	-4.1849	-4.1112	-4.1080	-4.0728	-4.0681	-3.9617
-3.9588	-3.8861	-3.6032	-3.6016	-3.5938	-1.2778	0.6743	0.6814
0.6827	1.2472	1.7120	1.7155	1.7496	1.8455	1.9182	1.9388
1.9662	2.0512	2.0867	2.1094	2.1452	2.1489	2.1888	2.4552
2.6951	2.7872	2.9571	2.9626	3.1417	3.1567	3.3012	

k = 0.0079-0.0137 0.0000 (64667 PWs) bands (ev):

-21.6707	-21.3585	-20.5189	-20.5165	-20.4903	-20.3743	-20.3701	-20.0545
-19.8453	-19.8408	-19.8063	-19.8055	-19.7718	-19.7674	-18.5292	-18.5283
-18.3557	-18.3531	-18.2165	-18.2162	-18.2014	-18.0819	-16.8777	-16.8430
-16.8401	-16.7740	-16.7711	-16.7397	-15.6538	-15.6484	-15.6398	-14.9360
-14.9289	-14.9275	-12.8510	-12.5927	-12.5924	-12.5371	-11.8546	-11.8353
-11.8228	-11.7749	-11.7619	-11.7328	-11.2842	-11.2354	-11.2174	-10.9138
-10.9126	-10.5865	-10.5540	-10.5502	-10.4942	-10.4897	-10.4653	-10.1773
-9.5594	-9.5476	-9.4457	-9.3736	-9.2482	-9.1544	-8.9360	-8.9350
-8.7336	-8.7242	-8.6463	-8.6415	-8.5690	-8.5602	-8.4896	-8.3406
-8.3191	-8.0066	-8.0054	-7.7698	-7.7662	-7.7597	-7.5272	-7.5248
-7.5234	-7.5166	-7.4942	-7.4824	-7.4800	-7.4609	-7.4399	-7.4361
-7.3746	-7.3678	-7.0224	-6.8938	-6.8765	-6.8738	-6.3103	-6.3052
-6.2809	-6.2805	-6.2610	-6.2454	-6.2403	-6.2368	-6.2182	-5.7232
-4.7107	-4.7101	-4.6740	-4.6726	-4.5319	-4.5247	-4.3701	-4.3122
-4.2695	-4.2687	-4.1108	-4.0752	-4.0715	-4.0685	-4.0655	-3.9993
-3.9967	-3.9607	-3.5989	-3.5972	-3.5947	-1.2786	0.6741	0.6757
0.6773	1.2461	1.7105	1.7114	1.7484	1.9255	1.9629	1.9643
1.9819	2.0466	2.0501	2.0689	2.1054	2.1466	2.1497	2.4540
2.6938	2.8007	2.9743	2.9762	3.1290	3.1335	3.3419	

k = 0.0000 0.0000 0.0000 (64705 PWs) bands (ev):

-21.6709	-21.3588	-20.5147	-20.5145	-20.4876	-20.3768	-20.3765	-20.0556
-19.8100	-19.8092	-19.8082	-19.8046	-19.8038	-19.8031	-18.5262	-18.5261
-18.3553	-18.3549	-18.2160	-18.2158	-18.2020	-18.0847	-16.8104	-16.8094
-16.8086	-16.8084	-16.8059	-16.8043	-15.6474	-15.6420	-15.6400	-14.9364
-14.9359	-14.9343	-12.8504	-12.5930	-12.5928	-12.5393	-11.8096	-11.8028
-11.7958	-11.7935	-11.7877	-11.7835	-11.2663	-11.2334	-11.2331	-10.9139
-10.9136	-10.5296	-10.5278	-10.5256	-10.5248	-10.5223	-10.5205	-10.1775
-9.5481	-9.5479	-9.4573	-9.3738	-9.2472	-9.1547	-8.9379	-8.9378
-8.6555	-8.6497	-8.6457	-8.6447	-8.6441	-8.6351	-8.4681	-8.3362
-8.3361	-8.0100	-8.0098	-7.7685	-7.7661	-7.7596	-7.5129	-7.5127
-7.4941	-7.4869	-7.4851	-7.4816	-7.4804	-7.4799	-7.4769	-7.4605

-7.3789	-7.3786	-7.0247	-6.8919	-6.8763	-6.8763	-6.2803	-6.2798
-6.2780	-6.2779	-6.2722	-6.2712	-6.2424	-6.2363	-6.2362	-5.7228
-4.7099	-4.7099	-4.6666	-4.6665	-4.5299	-4.5295	-4.3785	-4.3134
-4.2686	-4.2685	-4.0686	-4.0658	-4.0410	-4.0397	-4.0370	-4.0337
-4.0324	-4.0290	-3.5975	-3.5959	-3.5948	-1.2788	0.6735	0.6739
0.6759	1.2457	1.7100	1.7101	1.7480	1.9636	1.9780	2.0027
2.0198	2.0211	2.0311	2.0399	2.0497	2.1470	2.1500	2.4536
2.6934	2.8053	2.9812	2.9814	3.1242	3.1243	3.3638	

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k = 0.0000 0.0000 0.0000 (64705 PWs) bands (ev):

-21.6537	-21.3580	-20.4912	-20.4910	-20.4770	-20.3684	-20.3681	-20.0254
-19.8092	-19.8085	-19.8074	-19.8038	-19.8030	-19.8023	-18.5133	-18.5132
-18.3486	-18.3483	-18.2008	-18.2006	-18.1990	-18.0660	-16.8097	-16.8087
-16.8078	-16.8076	-16.8052	-16.8036	-15.6465	-15.6411	-15.6391	-14.9359
-14.9354	-14.9338	-12.7791	-12.5730	-12.5729	-12.4676	-11.8089	-11.8021
-11.7951	-11.7927	-11.7870	-11.7828	-11.2630	-11.2150	-11.2147	-10.8957
-10.8955	-10.5293	-10.5275	-10.5253	-10.5245	-10.5220	-10.5202	-10.0662
-9.5240	-9.5238	-9.4443	-9.3718	-9.2412	-9.0929	-8.9184	-8.9183
-8.6549	-8.6492	-8.6452	-8.6442	-8.6435	-8.6346	-8.4617	-8.3228
-8.3227	-7.9933	-7.9931	-7.7682	-7.7658	-7.7593	-7.4848	-7.4830
-7.4795	-7.4783	-7.4777	-7.4748	-7.4663	-7.4526	-7.4411	-7.4409
-7.3443	-7.3440	-6.8634	-6.8634	-6.8493	-6.7126	-6.2800	-6.2795
-6.2777	-6.2776	-6.2719	-6.2709	-6.2391	-6.2275	-6.2273	-5.7113
-4.6964	-4.6963	-4.6226	-4.6226	-4.4819	-4.4816	-4.3364	-4.3010
-4.2156	-4.2154	-4.0682	-4.0655	-4.0387	-4.0374	-4.0347	-4.0314
-4.0300	-4.0267	-3.5951	-3.5934	-3.5924	-0.6180	0.6758	0.6761
0.6781	1.2859	1.7659	1.8674	1.8675	1.9807	2.0054	2.0225
2.0237	2.0238	2.0337	2.0426	2.0570	2.4554	2.4585	2.4676
2.6994	2.8321	3.1536	3.1537	3.3583	3.3587	3.3966	

k = 0.0000-0.0160 0.0000 (64649 PWs) bands (ev):

-21.6534	-21.3577	-20.4971	-20.4932	-20.4783	-20.3658	-20.3613	-20.0243
-19.8484	-19.8272	-19.8263	-19.7845	-19.7837	-19.7622	-18.5164	-18.5156
-18.3491	-18.3463	-18.2021	-18.2009	-18.1976	-18.0633	-16.8685	-16.8656
-16.8074	-16.8070	-16.7478	-16.7447	-15.6500	-15.6484	-15.6412	-14.9333
-14.9313	-14.9260	-12.7795	-12.5725	-12.5723	-12.4658	-11.8532	-11.8451
-11.7975	-11.7974	-11.7456	-11.7394	-11.2779	-11.2170	-11.2023	-10.8953
-10.8945	-10.5784	-10.5748	-10.5225	-10.5210	-10.4723	-10.4686	-10.0663
-9.5364	-9.5236	-9.4315	-9.3715	-9.2420	-9.0925	-8.9165	-8.9156
-8.7411	-8.6954	-8.6913	-8.6002	-8.5954	-8.5484	-8.4826	-8.3271
-8.3062	-7.9897	-7.9888	-7.7692	-7.7655	-7.7602	-7.5303	-7.5064
-7.5031	-7.4811	-7.4555	-7.4530	-7.4526	-7.4460	-7.4379	-7.4283
-7.3386	-7.3332	-6.8645	-6.8636	-6.8474	-6.7112	-6.3150	-6.2992
-6.2918	-6.2616	-6.2558	-6.2539	-6.2394	-6.2280	-6.2113	-5.7116
-4.6972	-4.6966	-4.6294	-4.6293	-4.4833	-4.4773	-4.3285	-4.2994
-4.2162	-4.2155	-4.1014	-4.0960	-4.0689	-4.0660	-4.0336	-4.0325
-3.9704	-3.9648	-3.5959	-3.5948	-3.5928	-0.6178	0.6764	0.6777
0.6798	1.2863	1.7663	1.8680	1.8689	1.9285	1.9530	2.0120
2.0236	2.0245	2.0574	2.0865	2.1037	2.4550	2.4579	2.4680
2.6999	2.8287	3.1489	3.1516	3.3542	3.3599	3.3636	

k = 0.0000-0.0321 0.0000 (64699 PWs) bands (ev):

-21.6527	-21.3568	-20.5138	-20.4992	-20.4803	-20.3585	-20.3438	-20.0212
-19.8902	-19.8477	-19.8469	-19.7622	-19.7615	-19.7188	-18.5252	-18.5224
-18.3504	-18.3405	-18.2048	-18.2015	-18.1951	-18.0554	-16.9282	-16.9253
-16.8066	-16.8061	-16.6868	-16.6837	-15.6754	-15.6545	-15.6473	-14.9257

-14.9238	-14.8992	-12.7808	-12.5712	-12.5705	-12.4603	-11.9072	-11.8993
-11.8079	-11.8071	-11.6960	-11.6893	-11.3059	-11.2233	-11.1813	-10.8945
-10.8908	-10.6284	-10.6246	-10.5125	-10.5105	-10.4163	-10.4128	-10.0667
-9.5626	-9.5227	-9.4047	-9.3708	-9.2442	-9.0915	-8.9109	-8.9077
-8.8366	-8.7433	-8.7392	-8.5524	-8.5476	-8.5287	-8.4532	-8.3396
-8.2741	-7.9783	-7.9765	-7.7719	-7.7647	-7.7630	-7.5799	-7.5307
-7.5274	-7.5109	-7.4586	-7.4541	-7.4371	-7.4291	-7.4261	-7.3768
-7.3241	-7.3070	-6.8675	-6.8644	-6.8416	-6.7071	-6.3522	-6.3207
-6.3134	-6.2776	-6.2455	-6.2378	-6.2300	-6.2012	-6.1910	-5.7126
-4.6997	-4.6974	-4.6488	-4.6473	-4.4865	-4.4668	-4.3074	-4.2949
-4.2185	-4.2153	-4.1662	-4.1608	-4.0720	-4.0687	-4.0331	-4.0319
-3.9049	-3.8993	-3.6019	-3.5958	-3.5937	-0.6173	0.6783	0.6799
0.6873	1.2874	1.7675	1.8571	1.8694	1.8731	1.8798	2.0100
2.0215	2.0267	2.0586	2.1578	2.1772	2.4535	2.4563	2.4693
2.7014	2.8188	3.1352	3.1459	3.3105	3.3631	3.3781	

k = 0.0000-0.0481 0.0000 (64743 PWs) bands (ev):

-21.6515	-21.3553	-20.5364	-20.5078	-20.4827	-20.3476	-20.3210	-20.0159
-19.9314	-19.8676	-19.8668	-19.7394	-19.7386	-19.6746	-18.5386	-18.5336
-18.3524	-18.3323	-18.2087	-18.2024	-18.1913	-18.0429	-16.9874	-16.9846
-16.8051	-16.8047	-16.6254	-16.6222	-15.7142	-15.6643	-15.6573	-14.9132
-14.9115	-14.8582	-12.7829	-12.5690	-12.5674	-12.4513	-11.9629	-11.9551
-11.8248	-11.8232	-11.6471	-11.6404	-11.3373	-11.2335	-11.1623	-10.8935
-10.8840	-10.6762	-10.6724	-10.4960	-10.4935	-10.3584	-10.3550	-10.0671
-9.5927	-9.5216	-9.3738	-9.3697	-9.2472	-9.0898	-8.9324	-8.9019
-8.8951	-8.7911	-8.7870	-8.5837	-8.5048	-8.4998	-8.3585	-8.3580
-8.2437	-7.9578	-7.9577	-7.7766	-7.7677	-7.7630	-7.6290	-7.5543
-7.5510	-7.5457	-7.4749	-7.4560	-7.4396	-7.4021	-7.3990	-7.3246
-7.3047	-7.2741	-6.8723	-6.8657	-6.8320	-6.7005	-6.3891	-6.3440
-6.3369	-6.3003	-6.2334	-6.2313	-6.2235	-6.1710	-6.1628	-5.7142
-4.7038	-4.6988	-4.6776	-4.6725	-4.4891	-4.4540	-4.2877	-4.2787
-4.2308	-4.2254	-4.2219	-4.2143	-4.0778	-4.0726	-4.0323	-4.0311
-3.8392	-3.8336	-3.6124	-3.5971	-3.5949	-0.6164	0.6814	0.6830
0.7003	1.2894	1.7695	1.7843	1.8061	1.8718	1.8801	2.0066
2.0180	2.0304	2.0607	2.2307	2.2511	2.4506	2.4543	2.4714
2.7037	2.8031	3.1144	3.1377	3.2657	3.3668	3.3751	

k = 0.0000-0.0642 0.0000 (64775 PWs) bands (ev):

-21.6498	-21.3532	-20.5617	-20.5182	-20.4855	-20.3340	-20.2956	-20.0085
-19.9721	-19.8869	-19.8862	-19.7159	-19.7152	-19.6299	-18.5554	-18.5487
-18.3544	-18.3231	-18.2139	-18.2035	-18.1861	-18.0269	-17.0462	-17.0434
-16.8032	-16.8027	-16.5636	-16.5603	-15.7630	-15.6774	-15.6706	-14.8964
-14.8948	-14.8063	-12.7855	-12.5658	-12.5630	-12.4391	-12.0201	-12.0124
-11.8474	-11.8454	-11.5993	-11.5927	-11.3701	-11.2471	-11.1480	-10.8926
-10.8732	-10.7219	-10.7180	-10.4735	-10.4705	-10.2987	-10.2954	-10.0675
-9.6237	-9.5206	-9.3683	-9.3419	-9.2499	-9.0874	-9.0279	-8.8898
-8.8785	-8.8389	-8.8347	-8.6414	-8.4573	-8.4522	-8.3822	-8.2631
-8.2214	-7.9343	-7.9272	-7.7830	-7.7742	-7.7609	-7.6775	-7.5827
-7.5773	-7.5739	-7.4928	-7.4587	-7.4443	-7.3743	-7.3713	-7.2825
-7.2718	-7.2386	-6.8788	-6.8674	-6.8188	-6.6916	-6.4256	-6.3691
-6.3622	-6.3236	-6.2380	-6.2188	-6.2109	-6.1515	-6.1242	-5.7164
-4.7130	-4.7096	-4.7021	-4.7007	-4.4907	-4.4419	-4.2952	-4.2898
-4.2791	-4.2492	-4.2251	-4.2096	-4.0861	-4.0777	-4.0310	-4.0298
-3.7733	-3.7677	-3.6271	-3.5989	-3.5967	-0.6152	0.6857	0.6873
0.7185	1.2921	1.7111	1.7324	1.7723	1.8751	1.8898	2.0018
2.0132	2.0358	2.0636	2.3041	2.3250	2.4460	2.4520	2.4743
2.7071	2.7823	3.0882	3.1282	3.2203	3.3605	3.3697	

k = 0.0000-0.0802 0.0000 (64789 PWs) bands (ev):

-21.6475	-21.3505	-20.5883	-20.5296	-20.4890	-20.3186	-20.2692	-20.0123
-19.9991	-19.9056	-19.9049	-19.6919	-19.6911	-19.5846	-18.5745	-18.5674
-18.3562	-18.3139	-18.2205	-18.2046	-18.1792	-18.0080	-17.1045	-17.1018
-16.8006	-16.8001	-16.5013	-16.4980	-15.8188	-15.6935	-15.6869	-14.8756
-14.8742	-14.7465	-12.7885	-12.5619	-12.5572	-12.4238	-12.0788	-12.0710
-11.8754	-11.8729	-11.5527	-11.5461	-11.4035	-11.2639	-11.1396	-10.8924
-10.8578	-10.7655	-10.7615	-10.4456	-10.4421	-10.2373	-10.2340	-10.0676
-9.6548	-9.5202	-9.3672	-9.3103	-9.2514	-9.1229	-9.0843	-8.8866
-8.8822	-8.8757	-8.8588	-8.6989	-8.4099	-8.4089	-8.4048	-8.2083
-8.1684	-7.9077	-7.8874	-7.7913	-7.7824	-7.7582	-7.7253	-7.6206
-7.5996	-7.5960	-7.5112	-7.4621	-7.4506	-7.3459	-7.3428	-7.2586
-7.2185	-7.2020	-6.8867	-6.8696	-6.8022	-6.6806	-6.4618	-6.3960
-6.3893	-6.3474	-6.2439	-6.2081	-6.2001	-6.1326	-6.0853	-5.7192
-4.7524	-4.7346	-4.7170	-4.7032	-4.4913	-4.4317	-4.3593	-4.3539
-4.2725	-4.2319	-4.2250	-4.1903	-4.0970	-4.0840	-4.0295	-4.0283
-3.7075	-3.7017	-3.6456	-3.6011	-3.5989	-0.6136	0.6912	0.6928
0.7416	1.2956	1.6379	1.6588	1.7760	1.8794	1.9017	1.9957
2.0070	2.0429	2.0673	2.3776	2.3989	2.4400	2.4493	2.4780
2.7113	2.7576	3.0583	3.1179	3.1748	3.3447	3.3693	

k = 0.0000-0.0962 0.0000 (64793 PWs) bands (ev):

-21.6448	-21.3471	-20.6155	-20.5415	-20.4930	-20.3018	-20.2423	-20.0519
-19.9876	-19.9238	-19.9231	-19.6673	-19.6665	-19.5387	-18.5953	-18.5890
-18.3577	-18.3054	-18.2283	-18.2058	-18.1707	-17.9871	-17.1623	-17.1597
-16.7975	-16.7970	-16.4386	-16.4353	-15.8794	-15.7121	-15.7057	-14.8512
-14.8501	-14.6809	-12.7916	-12.5570	-12.5501	-12.4059	-12.1388	-12.1311
-11.9080	-11.9051	-11.5071	-11.5006	-11.4372	-11.2832	-11.1374	-10.8933
-10.8377	-10.8070	-10.8030	-10.4129	-10.4089	-10.1743	-10.1711	-10.0673
-9.6855	-9.5210	-9.3678	-9.2800	-9.2506	-9.2157	-9.0806	-8.9343
-8.9295	-8.8627	-8.8368	-8.7514	-8.4374	-8.3628	-8.3575	-8.2032
-8.0741	-7.8789	-7.8403	-7.8014	-7.7926	-7.7724	-7.7548	-7.6589
-7.6211	-7.6173	-7.5296	-7.4663	-7.4581	-7.3169	-7.3137	-7.2334
-7.1651	-7.1645	-6.8959	-6.8722	-6.7822	-6.6678	-6.4977	-6.4247
-6.4182	-6.3718	-6.2510	-6.1991	-6.1911	-6.1143	-6.0461	-5.7224
-4.7945	-4.7689	-4.7261	-4.7062	-4.4912	-4.4237	-4.4231	-4.4176
-4.2729	-4.2282	-4.2171	-4.1562	-4.1103	-4.0917	-4.0276	-4.0263
-3.6689	-3.6409	-3.6358	-3.6036	-3.6016	-0.6116	0.6979	0.6995
0.7697	1.2998	1.5648	1.5854	1.7804	1.8846	1.9157	1.9883
1.9994	2.0520	2.0718	2.4327	2.4463	2.4511	2.4728	2.4826
2.7164	2.7297	3.0257	3.1070	3.1294	3.3285	3.3406	

k = 0.0000-0.1123 0.0000 (64753 PWs) bands (ev):

-21.6416	-21.3432	-20.6430	-20.5535	-20.4975	-20.2838	-20.2153	-20.0909
-19.9741	-19.9413	-19.9406	-19.6421	-19.6413	-19.4923	-18.6174	-18.6131
-18.3587	-18.2981	-18.2374	-18.2071	-18.1605	-17.9647	-17.2197	-17.2171
-16.7938	-16.7933	-16.3756	-16.3721	-15.9434	-15.7327	-15.7266	-14.8238
-14.8228	-14.6111	-12.7948	-12.5512	-12.5416	-12.3854	-12.2001	-12.1924
-11.9447	-11.9415	-11.4709	-11.4624	-11.4560	-11.3048	-11.1410	-10.8958
-10.8463	-10.8423	-10.8133	-10.3759	-10.3716	-10.1098	-10.1066	-10.0665
-9.7158	-9.5234	-9.3789	-9.2976	-9.2526	-9.2469	-9.0762	-8.9820
-8.9764	-8.8638	-8.8136	-8.7845	-8.4663	-8.3158	-8.3105	-8.2041
-7.9802	-7.8487	-7.8192	-7.8131	-7.8044	-7.7884	-7.7508	-7.6973
-7.6420	-7.6378	-7.5478	-7.4712	-7.4665	-7.2871	-7.2838	-7.2072
-7.1281	-7.1101	-6.9063	-6.8752	-6.7591	-6.6534	-6.5331	-6.4552
-6.4489	-6.3968	-6.2593	-6.1918	-6.1838	-6.0966	-6.0068	-5.7261
-4.8384	-4.8047	-4.7369	-4.7097	-4.4904	-4.4865	-4.4810	-4.4179
-4.2806	-4.2283	-4.2016	-4.1261	-4.1180	-4.1007	-4.0253	-4.0240
-3.6948	-3.6073	-3.6051	-3.5748	-3.5693	-0.6091	0.7059	0.7074
0.8025	1.3049	1.4918	1.5122	1.7857	1.8907	1.9312	1.9795
1.9905	2.0634	2.0772	2.4241	2.4427	2.4879	2.5246	2.5466

2.6996 2.7223 2.9915 3.0844 3.0955 3.3120 3.3125

k = 0.0000-0.1283 0.0000 (64777 PWs) bands (ev):

-21.6380	-21.3387	-20.6706	-20.5656	-20.5024	-20.2650	-20.1886	-20.1293
-19.9586	-19.9583	-19.9576	-19.6164	-19.6155	-19.4452	-18.6404	-18.6392
-18.3594	-18.2924	-18.2475	-18.2084	-18.1488	-17.9413	-17.2765	-17.2740
-16.7896	-16.7890	-16.3122	-16.3086	-16.0098	-15.7551	-15.7492	-14.7937
-14.7929	-14.5381	-12.7977	-12.5446	-12.5319	-12.3626	-12.2627	-12.2550
-11.9849	-11.9814	-11.5045	-11.4187	-11.4123	-11.3282	-11.1499	-10.9000
-10.8837	-10.8797	-10.7853	-10.3354	-10.3307	-10.0648	-10.0439	-10.0407
-9.7454	-9.5278	-9.4357	-9.3337	-9.2396	-9.2306	-9.0711	-9.0296
-9.0227	-8.8935	-8.7904	-8.7811	-8.4945	-8.2692	-8.2638	-8.2095
-7.8871	-7.8646	-7.8269	-7.8181	-7.8177	-7.7462	-7.7363	-7.7330
-7.6622	-7.6571	-7.5656	-7.4769	-7.4757	-7.2568	-7.2533	-7.1802
-7.0914	-7.0552	-6.9177	-6.8785	-6.7331	-6.6376	-6.5682	-6.4874
-6.4814	-6.4225	-6.2688	-6.1862	-6.1781	-6.0796	-5.9672	-5.7301
-4.8836	-4.8416	-4.7492	-4.7137	-4.5496	-4.5440	-4.4893	-4.4140
-4.2927	-4.2296	-4.1820	-4.1443	-4.1111	-4.0785	-4.0226	-4.0214
-3.7246	-3.6108	-3.6086	-3.5090	-3.5033	-0.6062	0.7150	0.7165
0.8398	1.3106	1.4191	1.4392	1.7918	1.8977	1.9477	1.9695
1.9803	2.0774	2.0835	2.4143	2.4388	2.4940	2.5980	2.6203
2.6679	2.7291	2.9561	3.0400	3.0834	3.2849	3.2962	

k = 0.0000-0.1443 0.0000 (64743 PWs) bands (ev):

-21.6338	-21.3336	-20.6982	-20.5775	-20.5076	-20.2455	-20.1672	-20.1623
-19.9746	-19.9740	-19.9412	-19.5900	-19.5892	-19.3977	-18.6669	-18.6641
-18.3596	-18.2887	-18.2581	-18.2099	-18.1360	-17.9172	-17.3329	-17.3304
-16.7848	-16.7842	-16.2483	-16.2447	-16.0776	-15.7788	-15.7731	-14.7613
-14.7606	-14.4627	-12.8003	-12.5372	-12.5208	-12.3377	-12.3264	-12.3188
-12.0280	-12.0243	-11.5377	-11.3758	-11.3695	-11.3530	-11.1629	-10.9191
-10.9150	-10.9063	-10.7545	-10.2918	-10.2867	-10.0621	-9.9768	-9.9736
-9.7743	-9.5341	-9.5242	-9.3380	-9.2287	-9.2184	-9.0772	-9.0682
-9.0653	-8.9289	-8.7691	-8.7598	-8.5198	-8.2229	-8.2179	-8.2174
-7.9094	-7.8425	-7.8337	-7.7958	-7.7862	-7.7740	-7.7410	-7.6816
-7.6771	-7.6742	-7.5829	-7.4854	-7.4832	-7.2257	-7.2222	-7.1524
-7.0551	-6.9998	-6.9301	-6.8822	-6.7045	-6.6205	-6.6028	-6.5212
-6.5157	-6.4487	-6.2792	-6.1823	-6.1741	-6.0635	-5.9275	-5.7343
-4.9296	-4.8793	-4.7631	-4.7182	-4.6123	-4.6066	-4.4877	-4.4119
-4.3072	-4.2314	-4.1648	-4.1605	-4.1228	-4.0389	-4.0197	-4.0185
-3.7579	-3.6148	-3.6127	-3.4430	-3.4373	-0.6029	0.7252	0.7267
0.8815	1.3172	1.3467	1.3665	1.7987	1.9055	1.9582	1.9645
1.9688	2.0898	2.0952	2.4033	2.4344	2.5009	2.6352	2.6714
2.6939	2.7367	2.9203	2.9964	3.0707	3.2586	3.2805	

k = 0.0000-0.1604 0.0000 (64775 PWs) bands (ev):

-21.6291	-21.3278	-20.7256	-20.5892	-20.5131	-20.2252	-20.2045	-20.1365
-19.9904	-19.9897	-19.9220	-19.5631	-19.5622	-19.3495	-18.6959	-18.6884
-18.3595	-18.2890	-18.2669	-18.2114	-18.1222	-17.8928	-17.3889	-17.3864
-16.7794	-16.7787	-16.1843	-16.1805	-16.1465	-15.8035	-15.7981	-14.7269
-14.7262	-14.3853	-12.8024	-12.5289	-12.5085	-12.3912	-12.3837	-12.3109
-12.0735	-12.0697	-11.5706	-11.3791	-11.3335	-11.3274	-11.1795	-10.9525
-10.9485	-10.9148	-10.7217	-10.2456	-10.2403	-10.0585	-9.9085	-9.9052
-9.8025	-9.6184	-9.5422	-9.3371	-9.2223	-9.2142	-9.1247	-9.1125
-9.0589	-8.9520	-8.7528	-8.7326	-8.5393	-8.2286	-8.1773	-8.1716
-7.9531	-7.8597	-7.8509	-7.8120	-7.7547	-7.7352	-7.7221	-7.7004
-7.6735	-7.6200	-7.5997	-7.4955	-7.4902	-7.1941	-7.1904	-7.1239
-7.0192	-6.9441	-6.9435	-6.8861	-6.6733	-6.6369	-6.6024	-6.5566
-6.5516	-6.4756	-6.2905	-6.1800	-6.1718	-6.0483	-5.8877	-5.7387
-4.9762	-4.9176	-4.7786	-4.7231	-4.6747	-4.6688	-4.4859	-4.4119

-4.3231	-4.2337	-4.1877	-4.1381	-4.1357	-4.0163	-4.0151	-3.9993
-3.7943	-3.6193	-3.6173	-3.3772	-3.3714	-0.5991	0.7366	0.7380
0.9273	1.2746	1.2942	1.3245	1.8064	1.9142	1.9456	1.9561
1.9812	2.0978	2.1153	2.3912	2.4297	2.5087	2.6019	2.7446
2.7451	2.7674	2.8845	2.9538	3.0572	3.2331	3.2653	

k = 0.0000-0.1764 0.0000 (64791 PWs) bands (ev):

-21.6240	-21.3215	-20.7528	-20.6006	-20.5188	-20.2412	-20.2044	-20.1113
-20.0056	-20.0049	-19.9009	-19.5356	-19.5347	-19.3008	-18.7259	-18.7130
-18.3591	-18.2968	-18.2705	-18.2130	-18.1078	-17.8683	-17.4443	-17.4418
-16.7735	-16.7728	-16.2164	-16.1196	-16.1159	-15.8290	-15.8239	-14.6907
-14.6900	-14.3063	-12.8040	-12.5198	-12.4950	-12.4571	-12.4496	-12.2823
-12.1212	-12.1172	-11.6029	-11.4061	-11.2920	-11.2859	-11.1989	-10.9841
-10.9801	-10.9257	-10.6873	-10.1973	-10.1917	-10.0538	-9.8391	-9.8358
-9.8299	-9.7141	-9.5518	-9.3359	-9.2458	-9.1966	-9.1720	-9.1546
-9.0518	-8.9566	-8.7458	-8.7025	-8.5486	-8.2408	-8.1330	-8.1264
-7.9949	-7.8786	-7.8699	-7.8498	-7.7289	-7.7235	-7.7211	-7.7184
-7.6160	-7.5997	-7.5629	-7.5058	-7.4976	-7.1619	-7.1578	-7.0947
-6.9837	-6.9577	-6.8902	-6.8884	-6.6706	-6.6399	-6.5934	-6.5892
-6.5835	-6.5031	-6.3026	-6.1792	-6.1710	-6.0341	-5.8477	-5.7429
-5.0232	-4.9565	-4.7956	-4.7366	-4.7306	-4.7285	-4.4837	-4.4146
-4.3391	-4.2363	-4.2130	-4.1500	-4.1155	-4.0127	-4.0115	-3.9602
-3.8336	-3.6243	-3.6223	-3.3115	-3.3057	-0.5948	0.7491	0.7504
0.9772	1.2028	1.2223	1.3326	1.8149	1.9237	1.9319	1.9421
1.9973	2.1064	2.1390	2.3780	2.4247	2.5172	2.5684	2.7541
2.8177	2.8408	2.8491	2.9124	3.0429	3.2083	3.2506	

k = 0.0000-0.1925 0.0000 (64799 PWs) bands (ev):

-21.6184	-21.3146	-20.7798	-20.6117	-20.5247	-20.2773	-20.1830	-20.0867
-20.0202	-20.0195	-19.8782	-19.5075	-19.5066	-19.2515	-18.7567	-18.7380
-18.3585	-18.3103	-18.2702	-18.2146	-18.0931	-17.8438	-17.4992	-17.4968
-16.7670	-16.7662	-16.2865	-16.0548	-16.0511	-15.8551	-15.8502	-14.6530
-14.6521	-14.2260	-12.8050	-12.5238	-12.5164	-12.5099	-12.4804	-12.2520
-12.1706	-12.1665	-11.6347	-11.4338	-11.2510	-11.2449	-11.2206	-11.0138
-11.0099	-10.9388	-10.6517	-10.1471	-10.1412	-10.0482	-9.8567	-9.8104
-9.7688	-9.7655	-9.5625	-9.3374	-9.2855	-9.2193	-9.1927	-9.1763
-9.0441	-8.9451	-8.7513	-8.6706	-8.5446	-8.2539	-8.0956	-8.0819
-8.0291	-7.8993	-7.8906	-7.8872	-7.7365	-7.7357	-7.7215	-7.6928
-7.6317	-7.5162	-7.5098	-7.5066	-7.5054	-7.1291	-7.1247	-7.0648
-6.9726	-6.9486	-6.8945	-6.8333	-6.7038	-6.6315	-6.6276	-6.6045
-6.5640	-6.5313	-6.3151	-6.1799	-6.1717	-6.0211	-5.8076	-5.7469
-5.0706	-4.9959	-4.8142	-4.7981	-4.7919	-4.7343	-4.4813	-4.4215
-4.3533	-4.2405	-4.2392	-4.1655	-4.0929	-4.0087	-4.0075	-3.9217
-3.8758	-3.6296	-3.6277	-3.2461	-3.2402	-0.5900	0.7628	0.7640
1.0307	1.1316	1.1509	1.3414	1.8242	1.9170	1.9270	1.9339
2.0126	2.1157	2.1658	2.3637	2.4194	2.5265	2.5351	2.7636
2.8149	2.8723	2.8908	2.9140	3.0278	3.1837	3.2365	

k = 0.0000-0.2085 0.0000 (64757 PWs) bands (ev):

-21.6123	-21.3070	-20.8066	-20.6224	-20.5305	-20.3128	-20.1610	-20.0628
-20.0342	-20.0335	-19.8539	-19.4788	-19.4779	-19.2017	-18.7882	-18.7631
-18.3576	-18.3264	-18.2689	-18.2164	-18.0782	-17.8195	-17.5536	-17.5513
-16.7599	-16.7591	-16.3569	-15.9897	-15.9858	-15.8817	-15.8769	-14.6139
-14.6129	-14.1445	-12.8053	-12.5913	-12.5840	-12.4992	-12.4646	-12.2215
-12.2202	-12.2173	-11.6657	-11.4620	-11.2442	-11.2104	-11.2044	-11.0419
-11.0379	-10.9542	-10.6153	-10.0954	-10.0893	-10.0418	-9.9069	-9.8827
-9.6977	-9.6943	-9.5740	-9.3457	-9.3349	-9.2664	-9.2228	-9.1536
-9.0356	-8.9235	-8.7684	-8.6377	-8.5283	-8.2673	-8.0989	-8.0378
-8.0226	-7.9242	-7.9216	-7.9129	-7.7528	-7.7519	-7.7139	-7.6631

-7.6468	-7.5266	-7.5133	-7.4511	-7.4187	-7.0959	-7.0908	-7.0343
-6.9881	-6.9138	-6.8989	-6.7819	-6.7363	-6.6715	-6.6633	-6.5672
-6.5602	-6.5443	-6.3275	-6.1822	-6.1740	-6.0094	-5.7675	-5.7504
-5.1181	-5.0355	-4.8592	-4.8526	-4.8343	-4.7404	-4.4787	-4.4343
-4.3638	-4.2703	-4.2424	-4.1823	-4.0707	-4.0044	-4.0032	-3.9206
-3.8838	-3.6354	-3.6335	-3.1809	-3.1751	-0.5847	0.7775	0.7786
1.0609	1.0800	1.0879	1.3509	1.8343	1.9009	1.9107	1.9448
2.0272	2.1257	2.1953	2.3485	2.4139	2.5021	2.5365	2.7718
2.7833	2.8346	2.9636	2.9871	3.0120	3.1584	3.2168	

k = 0.0000-0.2245 0.0000 (64791 PWs) bands (ev):

-21.6057	-21.2989	-20.8330	-20.6327	-20.5365	-20.3478	-20.1386	-20.0476
-20.0469	-20.0394	-19.8282	-19.4496	-19.4487	-19.1513	-18.8202	-18.7885
-18.3565	-18.3442	-18.2675	-18.2182	-18.0633	-17.7956	-17.6075	-17.6053
-16.7523	-16.7514	-16.4274	-15.9245	-15.9205	-15.9082	-15.9038	-14.5735
-14.5724	-14.0620	-12.8049	-12.6595	-12.6523	-12.4877	-12.4479	-12.2736
-12.2694	-12.1870	-11.6960	-11.4904	-11.2694	-11.1703	-11.1644	-11.0682
-11.0643	-10.9716	-10.5783	-10.0424	-10.0362	-10.0350	-10.0036	-9.9081
-9.6258	-9.6223	-9.5861	-9.3893	-9.3653	-9.3134	-9.2405	-9.1293
-9.0265	-8.8965	-8.7932	-8.6042	-8.5034	-8.2804	-8.1343	-7.9938
-7.9843	-7.9607	-7.9456	-7.9369	-7.7687	-7.7675	-7.7057	-7.6615
-7.6352	-7.5370	-7.5202	-7.3974	-7.3277	-7.0622	-7.0563	-7.0039
-7.0033	-6.9033	-6.8794	-6.7681	-6.7537	-6.7140	-6.6762	-6.5897
-6.5283	-6.5253	-6.3391	-6.1858	-6.1776	-5.9993	-5.7533	-5.7274
-5.1658	-5.0754	-4.9199	-4.9129	-4.8558	-4.7469	-4.4759	-4.4532
-4.3702	-4.3023	-4.2458	-4.2003	-4.0490	-3.9997	-3.9986	-3.9677
-3.8468	-3.6415	-3.6396	-3.1162	-3.1103	-0.5789	0.7932	0.7942
0.9908	1.0097	1.1484	1.3612	1.8452	1.8838	1.8933	1.9564
2.0409	2.1363	2.2267	2.3324	2.4082	2.4697	2.5474	2.7507
2.7773	2.8051	2.9953	3.0362	3.0600	3.1302	3.1786	

k = 0.0000-0.2406 0.0000 (64785 PWs) bands (ev):

-21.5986	-21.2901	-20.8591	-20.6427	-20.5423	-20.3821	-20.1156	-20.0604
-20.0598	-20.0166	-19.8012	-19.4198	-19.4188	-19.1004	-18.8526	-18.8139
-18.3632	-18.3553	-18.2663	-18.2202	-18.0486	-17.7721	-17.6610	-17.6587
-16.7441	-16.7432	-16.4979	-15.9356	-15.9311	-15.8584	-15.8545	-14.5320
-14.5307	-13.9787	-12.8038	-12.7284	-12.7213	-12.4754	-12.4301	-12.3267
-12.3224	-12.1525	-11.7254	-11.5189	-11.2958	-11.1308	-11.1248	-11.0927
-11.0889	-10.9908	-10.5408	-10.1003	-10.0286	-9.9884	-9.9820	-9.9324
-9.5984	-9.5533	-9.5497	-9.4454	-9.3962	-9.3603	-9.2459	-9.1037
-9.0168	-8.8668	-8.8221	-8.5711	-8.4732	-8.2922	-8.1737	-7.9969
-7.9715	-7.9628	-7.9498	-7.9418	-7.7839	-7.7826	-7.6968	-7.6754
-7.6113	-7.5472	-7.5244	-7.3460	-7.2370	-7.0285	-7.0212	-7.0195
-6.9716	-6.9078	-6.8451	-6.7990	-6.7767	-6.7583	-6.6386	-6.6199
-6.5083	-6.4881	-6.3485	-6.1907	-6.1826	-5.9908	-5.7552	-5.6873
-5.2136	-5.1155	-4.9801	-4.9726	-4.8788	-4.7536	-4.4770	-4.4728
-4.3737	-4.3365	-4.2494	-4.2195	-4.0280	-4.0171	-3.9948	-3.9936
-3.8107	-3.6480	-3.6462	-3.0519	-3.0460	-0.5727	0.8099	0.8108
0.9214	0.9402	1.2120	1.3722	1.8569	1.8656	1.8749	1.9684
2.0538	2.1476	2.2589	2.3155	2.4024	2.4382	2.5589	2.7237
2.7530	2.8052	2.9778	3.0961	3.1090	3.1328	3.1474	

k = 0.0000-0.2566 0.0000 (64785 PWs) bands (ev):

-21.5911	-21.2808	-20.8849	-20.6522	-20.5481	-20.4159	-20.0922	-20.0726
-20.0720	-19.9943	-19.7732	-19.3894	-19.3884	-19.0489	-18.8854	-18.8393
-18.3834	-18.3539	-18.2652	-18.2222	-18.0342	-17.7491	-17.7139	-17.7117
-16.7354	-16.7344	-16.5684	-15.9626	-15.9583	-15.7925	-15.7885	-14.4894
-14.4880	-13.8945	-12.8019	-12.7978	-12.7908	-12.4625	-12.4114	-12.3806
-12.3763	-12.1169	-11.7540	-11.5473	-11.3232	-11.1167	-11.1128	-11.0905

-11.0847	-11.0118	-10.5030	-10.1970	-10.0241	-9.9547	-9.9335	-9.9270
-9.6107	-9.5014	-9.4802	-9.4765	-9.4341	-9.4069	-9.2433	-9.0779
-9.0064	-8.8529	-8.8361	-8.5390	-8.4400	-8.3018	-8.2135	-8.0325
-7.9986	-7.9899	-7.9068	-7.8993	-7.7985	-7.7970	-7.6887	-7.6873
-7.5955	-7.5572	-7.5216	-7.2980	-7.1468	-7.0340	-6.9954	-6.9854
-6.9393	-6.9123	-6.8281	-6.8177	-6.8111	-6.8043	-6.6509	-6.5842
-6.4953	-6.4466	-6.3536	-6.1969	-6.1888	-5.9843	-5.7561	-5.6474
-5.2614	-5.1556	-5.0399	-5.0316	-4.9032	-4.7606	-4.5042	-4.4695
-4.3755	-4.3729	-4.2533	-4.2398	-4.0684	-4.0077	-3.9895	-3.9884
-3.7756	-3.6549	-3.6531	-2.9882	-2.9822	-0.5660	0.8276	0.8284
0.8529	0.8715	1.2787	1.3839	1.8464	1.8554	1.8694	1.9808
2.0660	2.1593	2.2904	2.2980	2.3965	2.4077	2.5712	2.7008
2.7202	2.8166	2.9595	3.0576	3.1226	3.1809	3.1865	

k = 0.0000-0.2726 0.0000 (64781 PWs) bands (ev):

-21.5831	-21.2708	-20.9103	-20.6613	-20.5538	-20.4491	-20.0842	-20.0836
-20.0684	-19.9723	-19.7444	-19.3584	-19.3574	-18.9969	-18.9183	-18.8646
-18.4046	-18.3524	-18.2642	-18.2243	-18.0201	-17.7663	-17.7641	-17.7268
-16.7261	-16.7250	-16.6387	-15.9896	-15.9855	-15.7264	-15.7223	-14.4459
-14.4444	-13.8097	-12.8676	-12.8607	-12.7994	-12.4488	-12.4352	-12.4309
-12.3918	-12.0804	-11.7815	-11.5752	-11.3515	-11.1381	-11.1344	-11.0515
-11.0457	-11.0342	-10.4649	-10.2937	-10.0258	-9.9718	-9.8780	-9.8713
-9.6229	-9.5557	-9.4754	-9.4533	-9.4066	-9.4028	-9.2364	-9.0532
-8.9953	-8.8829	-8.8056	-8.5092	-8.4049	-8.3076	-8.2531	-8.0677
-8.0274	-8.0187	-7.8643	-7.8571	-7.8124	-7.8107	-7.7014	-7.6772
-7.5913	-7.5669	-7.5083	-7.2553	-7.0572	-7.0457	-6.9649	-6.9490
-6.9168	-6.9064	-6.8632	-6.8536	-6.8517	-6.7772	-6.6825	-6.5262
-6.4891	-6.4041	-6.3515	-6.2043	-6.1962	-5.9797	-5.7556	-5.6077
-5.3092	-5.1958	-5.0991	-5.0897	-4.9290	-4.7679	-4.5339	-4.4661
-4.4114	-4.3764	-4.2613	-4.2573	-4.1216	-3.9883	-3.9839	-3.9829
-3.7417	-3.6621	-3.6603	-2.9252	-2.9192	-0.5589	0.7851	0.8037
0.8463	0.8471	1.3481	1.3964	1.8263	1.8350	1.8826	1.9936
2.0774	2.1709	2.2803	2.3196	2.3785	2.3907	2.5843	2.6827
2.6892	2.8300	2.9405	3.0165	3.1018	3.1752	3.2533	

k = 0.0000-0.2887 0.0000 (64717 PWs) bands (ev):

-21.5747	-21.2603	-20.9354	-20.6699	-20.5594	-20.4817	-20.0953	-20.0946
-20.0441	-19.9507	-19.7148	-19.3268	-19.3258	-18.9515	-18.9443	-18.8899
-18.4266	-18.3508	-18.2634	-18.2264	-18.0064	-17.8182	-17.8161	-17.7052
-16.7162	-16.7151	-16.7087	-16.0166	-16.0126	-15.6601	-15.6559	-14.4015
-14.3998	-13.7241	-12.9377	-12.9310	-12.7962	-12.4904	-12.4860	-12.4345
-12.3715	-12.0434	-11.8080	-11.6024	-11.3804	-11.1584	-11.1547	-11.0576
-11.0124	-11.0066	-10.4267	-10.3903	-10.0395	-9.9789	-9.8219	-9.8151
-9.6349	-9.6068	-9.5183	-9.4996	-9.3327	-9.3288	-9.2267	-9.0334
-8.9836	-8.9084	-8.7764	-8.4833	-8.3687	-8.3075	-8.2921	-8.1024
-8.0577	-8.0490	-7.8257	-7.8242	-7.8220	-7.8155	-7.7134	-7.6666
-7.5958	-7.5763	-7.4873	-7.2215	-7.0512	-6.9681	-6.9452	-6.9212
-6.9127	-6.9105	-6.9009	-6.8730	-6.8669	-6.7434	-6.7147	-6.4911
-6.4668	-6.3608	-6.3407	-6.2127	-6.2048	-5.9771	-5.7538	-5.5686
-5.3569	-5.2359	-5.1579	-5.1469	-4.9561	-4.7752	-4.5655	-4.4624
-4.4521	-4.3767	-4.2839	-4.2615	-4.1764	-3.9780	-3.9770	-3.9697
-3.7089	-3.6695	-3.6678	-2.8630	-2.8570	-0.5515	0.7185	0.7369
0.8658	0.8666	1.4095	1.4202	1.8052	1.8136	1.8965	2.0064
2.0878	2.1817	2.2635	2.3443	2.3510	2.3848	2.5985	2.6554
2.6769	2.8446	2.9209	2.9749	3.0834	3.1648	3.2530	

k = 0.0000-0.3047 0.0000 (64781 PWs) bands (ev):

-21.5657	-21.2491	-20.9600	-20.6782	-20.5647	-20.5137	-20.1057	-20.1051
-20.0194	-19.9294	-19.6846	-19.2947	-19.2937	-18.9847	-18.9149	-18.8911

-18.4496	-18.3490	-18.2627	-18.2287	-17.9933	-17.8695	-17.8675	-17.6843
-16.7786	-16.7058	-16.7046	-16.0433	-16.0395	-15.5936	-15.5894	-14.3563
-14.3545	-13.6380	-13.0081	-13.0015	-12.7923	-12.5460	-12.5416	-12.4196
-12.3505	-12.0062	-11.8333	-11.6285	-11.4097	-11.1773	-11.1737	-11.0820
-10.9735	-10.9676	-10.4869	-10.3885	-10.0638	-9.9789	-9.7654	-9.7585
-9.6531	-9.6464	-9.5621	-9.5456	-9.2584	-9.2544	-9.2153	-9.0268
-8.9713	-8.9205	-8.7495	-8.4624	-8.3319	-8.3305	-8.2998	-8.1365
-8.0895	-8.0809	-7.8380	-7.8362	-7.7815	-7.7748	-7.7248	-7.6553
-7.6043	-7.5853	-7.4633	-7.2019	-7.0455	-6.9612	-6.9521	-6.9497
-6.9255	-6.8798	-6.8740	-6.8546	-6.8391	-6.7477	-6.7096	-6.5003
-6.4065	-6.3223	-6.3169	-6.2222	-6.2143	-5.9765	-5.7507	-5.5306
-5.4045	-5.2758	-5.2163	-5.2025	-4.9844	-4.7828	-4.5989	-4.4947
-4.4586	-4.3768	-4.3076	-4.2659	-4.2328	-3.9719	-3.9709	-3.9521
-3.6773	-3.6773	-3.6756	-2.8017	-2.7957	-0.5437	0.6531	0.6714
0.8863	0.8869	1.4233	1.4947	1.7832	1.7914	1.9112	2.0189
2.0968	2.1887	2.2504	2.3255	2.3623	2.3789	2.6129	2.6273
2.6778	2.8598	2.9006	2.9336	3.0666	3.1549	3.2268	

k = 0.0000-0.3208 0.0000 (64755 PWs) bands (ev):

-21.5564	-21.2374	-20.9842	-20.6859	-20.5699	-20.5451	-20.1155	-20.1149
-19.9943	-19.9084	-19.6541	-19.2620	-19.2610	-19.0181	-18.9397	-18.8374
-18.4732	-18.3472	-18.2621	-18.2309	-17.9807	-17.9204	-17.9184	-17.6643
-16.8481	-16.6948	-16.6936	-16.0699	-16.0662	-15.5271	-15.5228	-14.3103
-14.3084	-13.5513	-13.0786	-13.0721	-12.7879	-12.6019	-12.5976	-12.4041
-12.3288	-11.9694	-11.8574	-11.6528	-11.4394	-11.1950	-11.1914	-11.1068
-10.9345	-10.9286	-10.5834	-10.3503	-10.0944	-9.9776	-9.7086	-9.7016
-9.6929	-9.6575	-9.6063	-9.5914	-9.2028	-9.1839	-9.1797	-9.0408
-8.9583	-8.9122	-8.7260	-8.4464	-8.3683	-8.2952	-8.2837	-8.1700
-8.1228	-8.1141	-7.8498	-7.8479	-7.7416	-7.7356	-7.7349	-7.6435
-7.6144	-7.5939	-7.4384	-7.1986	-7.0262	-7.0128	-7.0037	-6.9715
-6.9296	-6.8358	-6.8249	-6.8045	-6.7918	-6.7812	-6.6759	-6.5142
-6.3456	-6.2982	-6.2726	-6.2325	-6.2248	-5.9777	-5.7463	-5.4948
-5.4520	-5.3154	-5.2741	-5.2553	-5.0141	-4.7904	-4.6336	-4.5394
-4.4547	-4.3767	-4.3323	-4.2906	-4.2704	-3.9655	-3.9645	-3.9354
-3.6853	-3.6837	-3.6471	-2.7415	-2.7355	-0.5357	0.5890	0.6071
0.9075	0.9082	1.4378	1.5715	1.7604	1.7683	1.9266	2.0308
2.1042	2.1865	2.2466	2.3025	2.3730	2.3732	2.5969	2.6330
2.6893	2.8741	2.8797	2.8946	3.0510	3.1457	3.1919	

k = 0.0000-0.3368 0.0000 (64755 PWs) bands (ev):

-21.5466	-21.2250	-21.0081	-20.6933	-20.5760	-20.5748	-20.1248	-20.1242
-19.9688	-19.8877	-19.6234	-19.2288	-19.2277	-19.0514	-18.9641	-18.7832
-18.4975	-18.3453	-18.2615	-18.2332	-17.9707	-17.9688	-17.9687	-17.6453
-16.9174	-16.6833	-16.6820	-16.0962	-16.0926	-15.4606	-15.4561	-14.2636
-14.2615	-13.4641	-13.1491	-13.1427	-12.7828	-12.6581	-12.6538	-12.3881
-12.3067	-11.9341	-11.8803	-11.6744	-11.4692	-11.2113	-11.2077	-11.1317
-10.8956	-10.8897	-10.6797	-10.3121	-10.1300	-9.9782	-9.7245	-9.6681
-9.6525	-9.6505	-9.6439	-9.6369	-9.1888	-9.1092	-9.1050	-9.0681
-8.9448	-8.8905	-8.7072	-8.4330	-8.4055	-8.2607	-8.2588	-8.2030
-8.1575	-8.1489	-7.8608	-7.8589	-7.7457	-7.7026	-7.6962	-7.6310
-7.6249	-7.6022	-7.4138	-7.2076	-7.0659	-7.0572	-6.9978	-6.9975
-6.9337	-6.8154	-6.7969	-6.7893	-6.7695	-6.7047	-6.6422	-6.5310
-6.2841	-6.2704	-6.2436	-6.2360	-6.2280	-5.9804	-5.7409	-5.4993
-5.4651	-5.3546	-5.3314	-5.3016	-5.0450	-4.7979	-4.6696	-4.5861
-4.4506	-4.3765	-4.3580	-4.3495	-4.2751	-3.9588	-3.9578	-3.9197
-3.6935	-3.6920	-3.6183	-2.6826	-2.6766	-0.5275	0.5263	0.5444
0.9296	0.9302	1.4529	1.6505	1.7369	1.7445	1.9426	2.0415
2.1096	2.1735	2.2538	2.2825	2.3676	2.3774	2.5711	2.6511
2.7104	2.8509	2.8583	2.8949	3.0366	3.1370	3.1531	

k = 0.0000-0.3528 0.0000 (64806 PWs) bands (ev):

-21.5363	-21.2120	-21.0314	-20.7001	-20.6062	-20.5795	-20.1334	-20.1328
-19.9429	-19.8673	-19.5926	-19.1949	-19.1938	-19.0848	-18.9880	-18.7284
-18.5223	-18.3434	-18.2610	-18.2355	-18.0205	-18.0186	-17.9574	-17.6271
-16.9862	-16.6712	-16.6699	-16.1223	-16.1188	-15.3941	-15.3896	-14.2162
-14.2140	-13.3763	-13.2194	-13.2132	-12.7773	-12.7144	-12.7102	-12.3717
-12.2842	-11.9022	-11.9017	-11.6916	-11.4991	-11.2264	-11.2229	-11.1563
-10.8568	-10.8508	-10.7760	-10.2740	-10.1704	-9.9820	-9.7469	-9.6951
-9.6824	-9.6781	-9.5945	-9.5872	-9.1738	-9.1010	-9.0345	-9.0301
-8.9306	-8.8633	-8.6939	-8.4420	-8.4193	-8.2354	-8.2330	-8.2234
-8.1936	-8.1850	-7.8712	-7.8692	-7.7552	-7.6649	-7.6586	-7.6349
-7.6178	-7.6099	-7.3898	-7.2234	-7.1205	-7.1121	-7.0247	-6.9656
-6.9377	-6.8500	-6.7573	-6.7514	-6.7339	-6.6183	-6.6086	-6.5496
-6.2553	-6.2480	-6.2398	-6.2219	-6.1834	-5.9844	-5.7347	-5.5464
-5.4536	-5.3932	-5.3881	-5.3292	-5.0769	-4.8055	-4.7067	-4.6346
-4.4463	-4.4096	-4.3847	-4.3762	-4.2798	-3.9518	-3.9509	-3.9050
-3.7020	-3.7005	-3.5910	-2.6252	-2.6192	-0.5193	0.4654	0.4834
0.9524	0.9530	1.4686	1.7125	1.7199	1.7317	1.9591	2.0503
2.1124	2.1549	2.2664	2.2669	2.3621	2.3780	2.5468	2.6697
2.7382	2.8138	2.8364	2.9120	3.0230	3.1135	3.1291	

k = 0.0000-0.3689 0.0000 (64796 PWs) bands (ev):

-21.5257	-21.1985	-21.0543	-20.7065	-20.6359	-20.5839	-20.1415	-20.1409
-19.9166	-19.8471	-19.5620	-19.1605	-19.1594	-19.1181	-19.0114	-18.6731
-18.5475	-18.3414	-18.2606	-18.2379	-18.0698	-18.0679	-17.9467	-17.6100
-17.0547	-16.6585	-16.6572	-16.1480	-16.1447	-15.3278	-15.3232	-14.1682
-14.1659	-13.2907	-13.2874	-13.2831	-12.7713	-12.7709	-12.7667	-12.3549
-12.2614	-11.9218	-11.8769	-11.7013	-11.5288	-11.2403	-11.2369	-11.1799
-10.8722	-10.8177	-10.8118	-10.2361	-10.2153	-9.9889	-9.7602	-9.7394
-9.7275	-9.6875	-9.5374	-9.5300	-9.1580	-9.1360	-8.9597	-8.9552
-8.9158	-8.8341	-8.6865	-8.4778	-8.4029	-8.2670	-8.2310	-8.2224
-8.2029	-8.1894	-7.8808	-7.8788	-7.7641	-7.6439	-7.6284	-7.6225
-7.6172	-7.6040	-7.3669	-7.2429	-7.1764	-7.1683	-7.0522	-6.9418
-6.9328	-6.8848	-6.7171	-6.7122	-6.6978	-6.5750	-6.5690	-6.5328
-6.2674	-6.2603	-6.2070	-6.1596	-6.1391	-5.9895	-5.7279	-5.5933
-5.4754	-5.4444	-5.4311	-5.3231	-5.1100	-4.8129	-4.7446	-4.6851
-4.4706	-4.4420	-4.4123	-4.3759	-4.2847	-3.9446	-3.9437	-3.8912
-3.7107	-3.7093	-3.5652	-2.5695	-2.5635	-0.5110	0.4065	0.4244
0.9759	0.9766	1.4849	1.6876	1.6946	1.8145	1.9758	2.0562
2.1122	2.1345	2.2549	2.2828	2.3569	2.3772	2.5243	2.6885
2.7557	2.7925	2.8141	2.9300	3.0103	3.0748	3.1215	

k = 0.0000-0.3849 0.0000 (64790 PWs) bands (ev):

-21.5147	-21.1843	-21.0767	-20.7124	-20.6650	-20.5881	-20.1489	-20.1483
-19.8899	-19.8273	-19.5317	-19.1513	-19.1255	-19.1244	-19.0341	-18.6172
-18.5731	-18.3394	-18.2603	-18.2402	-18.1186	-18.1167	-17.9367	-17.5940
-17.1229	-16.6454	-16.6439	-16.1734	-16.1702	-15.2618	-15.2571	-14.1195
-14.1171	-13.3593	-13.3534	-13.1993	-12.8275	-12.8233	-12.7651	-12.3379
-12.2385	-11.9403	-11.8623	-11.7000	-11.5583	-11.2531	-11.2497	-11.2019
-10.9681	-10.7788	-10.7727	-10.2642	-10.1986	-9.9983	-9.7836	-9.7724
-9.7659	-9.6961	-9.4803	-9.4729	-9.1721	-9.1413	-8.9005	-8.8850
-8.8803	-8.8041	-8.6845	-8.5130	-8.3834	-8.2981	-8.2697	-8.2612
-8.1716	-8.1575	-7.8898	-7.8877	-7.7723	-7.6509	-7.6241	-7.5941
-7.5908	-7.5859	-7.3451	-7.2644	-7.2336	-7.2257	-7.0795	-6.9469
-6.9188	-6.9012	-6.6763	-6.6721	-6.6612	-6.5890	-6.5415	-6.4481
-6.2799	-6.2729	-6.1725	-6.0968	-6.0954	-5.9952	-5.7207	-5.6399
-5.5182	-5.5001	-5.4680	-5.2955	-5.1441	-4.8201	-4.7832	-4.7374
-4.5325	-4.4409	-4.4375	-4.3756	-4.2897	-3.9371	-3.9363	-3.8786
-3.7196	-3.7182	-3.5411	-2.5157	-2.5097	-0.5027	0.3497	0.3676

1.0000	1.0009	1.5018	1.6621	1.6688	1.8991	1.9923	2.0587
2.1062	2.1168	2.2490	2.3001	2.3520	2.3770	2.5038	2.7074
2.7288	2.7915	2.8186	2.9476	2.9977	3.0387	3.1146	

k = 0.0000-0.4009 0.0000 (64796 PWs) bands (ev):

-21.5032	-21.1696	-21.0986	-20.7179	-20.6934	-20.5919	-20.1558	-20.1552
-19.8629	-19.8079	-19.5019	-19.1844	-19.0900	-19.0888	-19.0560	-18.5987
-18.5608	-18.3374	-18.2599	-18.2425	-18.1668	-18.1650	-17.9275	-17.5790
-17.1906	-16.6316	-16.6301	-16.1984	-16.1953	-15.1962	-15.1914	-14.0703
-14.0678	-13.4283	-13.4226	-13.1102	-12.8840	-12.8799	-12.7585	-12.3208
-12.2157	-11.9572	-11.8598	-11.6866	-11.5874	-11.2648	-11.2614	-11.2214
-11.0640	-10.7397	-10.7335	-10.3166	-10.1613	-10.0089	-9.8277	-9.8170
-9.7658	-9.7040	-9.4233	-9.4158	-9.2085	-9.1238	-8.8847	-8.8104
-8.8056	-8.7742	-8.6869	-8.5474	-8.3609	-8.3284	-8.3097	-8.3012
-8.1403	-8.1285	-7.8980	-7.8959	-7.7798	-7.6553	-7.6304	-7.5757
-7.5597	-7.5539	-7.3249	-7.2921	-7.2869	-7.2844	-7.1066	-6.9628
-6.9422	-6.8716	-6.6350	-6.6312	-6.6241	-6.6088	-6.5082	-6.3642
-6.2924	-6.2857	-6.1366	-6.0527	-6.0336	-6.0014	-5.7135	-5.6864
-5.5677	-5.5552	-5.5035	-5.2608	-5.1790	-4.8271	-4.8224	-4.7915
-4.5951	-4.4703	-4.4330	-4.3753	-4.2947	-3.9294	-3.9286	-3.8669
-3.7286	-3.7273	-3.5186	-2.4641	-2.4582	-0.4947	0.2954	0.3132
1.0248	1.0258	1.5193	1.6360	1.6424	1.9851	2.0073	2.0574
2.0899	2.1086	2.2488	2.3181	2.3473	2.3785	2.4853	2.6923
2.7282	2.7687	2.8526	2.9598	2.9843	3.0113	3.1082	

k = 0.0000-0.4170 0.0000 (64802 PWs) bands (ev):

-21.4915	-21.1542	-21.1200	-20.7229	-20.7213	-20.5955	-20.1621	-20.1615
-19.8355	-19.7891	-19.4729	-19.2174	-19.0767	-19.0539	-19.0527	-18.6244
-18.5039	-18.3354	-18.2597	-18.2448	-18.2145	-18.2127	-17.9190	-17.5653
-17.2579	-16.6173	-16.6158	-16.2231	-16.2200	-15.1312	-15.1263	-14.0205
-14.0179	-13.4965	-13.4910	-13.0207	-12.9406	-12.9364	-12.7519	-12.3037
-12.1933	-11.9724	-11.8661	-11.6654	-11.6160	-11.2753	-11.2720	-11.2370
-11.1596	-10.7004	-10.6942	-10.3714	-10.1246	-10.0198	-9.8716	-9.8614
-9.7620	-9.7112	-9.3666	-9.3590	-9.2449	-9.1054	-8.8683	-8.7447
-8.7359	-8.7310	-8.6924	-8.5811	-8.3580	-8.3509	-8.3424	-8.3363
-8.1095	-8.1030	-7.9055	-7.9035	-7.7867	-7.6560	-7.6362	-7.5601
-7.5281	-7.5226	-7.3518	-7.3443	-7.3100	-7.3065	-7.1333	-6.9957
-6.9483	-6.8445	-6.6281	-6.5933	-6.5897	-6.5865	-6.4751	-6.3048
-6.2985	-6.2813	-6.0993	-6.0116	-6.0078	-5.9701	-5.7325	-5.7063
-5.6193	-5.6097	-5.5371	-5.2236	-5.2148	-4.8618	-4.8473	-4.8338
-4.6584	-4.5005	-4.4284	-4.3750	-4.2997	-3.9215	-3.9207	-3.8562
-3.7378	-3.7365	-3.4978	-2.4151	-2.4092	-0.4869	0.2439	0.2616
1.0502	1.0514	1.5372	1.6093	1.6154	2.0161	2.0527	2.0688
2.0796	2.1026	2.2537	2.3363	2.3430	2.3818	2.4691	2.6570
2.7458	2.7485	2.8834	2.9434	2.9787	3.0074	3.1024	

k = 0.0000-0.4330 0.0000 (64802 PWs) bands (ev):

-21.4794	-21.1407	-21.1382	-20.7486	-20.7274	-20.5987	-20.1677	-20.1671
-19.8077	-19.7709	-19.4451	-19.2503	-19.0961	-19.0172	-19.0160	-18.6498
-18.4464	-18.3334	-18.2617	-18.2599	-18.2594	-18.2470	-17.9112	-17.5527
-17.3247	-16.6025	-16.6009	-16.2473	-16.2444	-15.0672	-15.0622	-13.9702
-13.9675	-13.5636	-13.5583	-12.9971	-12.9930	-12.9306	-12.7452	-12.2869
-12.1716	-11.9858	-11.8768	-11.6438	-11.6420	-11.2849	-11.2815	-11.2550
-11.2471	-10.6611	-10.6547	-10.4281	-10.0886	-10.0301	-9.9153	-9.9055
-9.7558	-9.7175	-9.3101	-9.3024	-9.2811	-9.0863	-8.8515	-8.7161
-8.7001	-8.6618	-8.6566	-8.6139	-8.3934	-8.3868	-8.3849	-8.3105
-8.0820	-8.0799	-7.9123	-7.9103	-7.7929	-7.6523	-7.6415	-7.5440
-7.4985	-7.4933	-7.4127	-7.4053	-7.3330	-7.2902	-7.1596	-7.0308
-6.9518	-6.8203	-6.6464	-6.5511	-6.5484	-6.5477	-6.4425	-6.3167

-6.3107	-6.1995	-6.0611	-6.0142	-5.9731	-5.9063	-5.7783	-5.6993
-5.6715	-5.6635	-5.5680	-5.2513	-5.1853	-4.9047	-4.9013	-4.8401
-4.7222	-4.5316	-4.4238	-4.3747	-4.3047	-3.9133	-3.9126	-3.8466
-3.7470	-3.7458	-3.4789	-2.3690	-2.3631	-0.4795	0.1954	0.2132
1.0761	1.0774	1.5554	1.5822	1.5880	2.0115	2.0458	2.0703
2.0986	2.1632	2.2629	2.3389	2.3539	2.3871	2.4558	2.6224
2.7229	2.7696	2.9032	2.9155	2.9722	3.0234	3.0971	

k = 0.0000-0.4491 0.0000 (64836 PWs) bands (ev):

-21.4671	-21.1608	-21.1217	-20.7753	-20.7315	-20.6016	-20.1728	-20.1722
-19.7797	-19.7535	-19.4188	-19.2829	-19.1138	-18.9799	-18.9787	-18.6748
-18.3884	-18.3315	-18.3083	-18.3066	-18.2592	-18.2491	-17.9042	-17.5413
-17.3912	-16.5872	-16.5855	-16.2711	-16.2683	-15.0044	-14.9993	-13.9194
-13.9166	-13.6291	-13.6240	-13.0534	-13.0494	-12.8403	-12.7387	-12.2707
-12.1509	-11.9972	-11.8887	-11.6707	-11.6210	-11.3505	-11.2931	-11.2900
-11.2498	-10.6215	-10.6151	-10.4860	-10.0534	-10.0396	-9.9588	-9.9493
-9.7484	-9.7229	-9.3168	-9.2539	-9.2462	-9.0663	-8.8344	-8.7088
-8.6887	-8.6468	-8.5874	-8.5824	-8.4369	-8.4284	-8.4147	-8.2846
-8.0658	-8.0520	-7.9185	-7.9164	-7.7985	-7.6462	-7.6434	-7.5275
-7.4755	-7.4703	-7.4686	-7.4648	-7.3557	-7.2768	-7.1853	-7.0654
-6.9547	-6.7994	-6.6632	-6.5100	-6.5088	-6.5055	-6.4105	-6.3277
-6.3221	-6.1191	-6.0224	-6.0205	-5.9383	-5.8423	-5.8237	-5.7237
-5.7165	-5.6927	-5.5949	-5.2882	-5.1466	-4.9637	-4.9406	-4.8460
-4.7865	-4.5634	-4.4193	-4.3744	-4.3097	-3.9050	-3.9043	-3.8380
-3.7564	-3.7553	-3.4618	-2.3261	-2.3203	-0.4725	0.1505	0.1683
1.1025	1.1041	1.5547	1.5602	1.5740	1.9950	2.0375	2.0686
2.1042	2.2534	2.2752	2.3352	2.3690	2.3940	2.4470	2.5892
2.7001	2.7914	2.8739	2.9272	2.9650	3.0446	3.0924	

k = 0.0000-0.4651 0.0000 (64846 PWs) bands (ev):

-21.4546	-21.1801	-21.1045	-20.8014	-20.7351	-20.6042	-20.1773	-20.1767
-19.7514	-19.7371	-19.3945	-19.3153	-19.1295	-18.9421	-18.9409	-18.6989
-18.3544	-18.3527	-18.3299	-18.3297	-18.2590	-18.2511	-17.8980	-17.5312
-17.4572	-16.5713	-16.5695	-16.2945	-16.2917	-14.9434	-14.9383	-13.8681
-13.8652	-13.6925	-13.6877	-13.1096	-13.1057	-12.7495	-12.7325	-12.2552
-12.1316	-12.0066	-11.9001	-11.6964	-11.6054	-11.4456	-11.3005	-11.2974
-11.2435	-10.5818	-10.5753	-10.5444	-10.0481	-10.0194	-10.0020	-9.9929
-9.7405	-9.7273	-9.3517	-9.1980	-9.1902	-9.0456	-8.8170	-8.7179
-8.6783	-8.6629	-8.5139	-8.5090	-8.4814	-8.4729	-8.4416	-8.2593
-8.0545	-8.0261	-7.9239	-7.9218	-7.8035	-7.6505	-7.6291	-7.5377
-7.5307	-7.5102	-7.4458	-7.4415	-7.3776	-7.2673	-7.2106	-7.0983
-6.9572	-6.7824	-6.6777	-6.4711	-6.4669	-6.4636	-6.3793	-6.3370
-6.3319	-6.0403	-6.0265	-5.9831	-5.9093	-5.8687	-5.7782	-5.7757
-5.7682	-5.6865	-5.6160	-5.3254	-5.1078	-5.0241	-4.9791	-4.8513
-4.8511	-4.5959	-4.4147	-4.3742	-4.3145	-3.8965	-3.8958	-3.8304
-3.7659	-3.7648	-3.4466	-2.2869	-2.2811	-0.4661	0.1095	0.1272
1.1294	1.1311	1.5269	1.5321	1.5928	1.9741	2.0287	2.0622
2.1196	2.2896	2.3319	2.3437	2.3794	2.4013	2.4458	2.5582
2.6777	2.8135	2.8392	2.9375	2.9585	3.0678	3.0883	

k = 0.0000-0.4811 0.0000 (64832 PWs) bands (ev):

-21.4421	-21.1985	-21.0868	-20.8269	-20.7382	-20.6065	-20.1812	-20.1806
-19.7228	-19.7219	-19.3729	-19.3475	-19.1427	-18.9037	-18.9025	-18.7219
-18.3999	-18.3983	-18.3281	-18.2709	-18.2589	-18.2529	-17.8926	-17.5227
-17.5224	-16.5548	-16.5530	-16.3174	-16.3148	-14.8849	-14.8797	-13.8164
-13.8134	-13.7531	-13.7486	-13.1657	-13.1618	-12.7266	-12.6584	-12.2409
-12.1144	-12.0138	-11.9097	-11.7206	-11.5965	-11.5404	-11.3069	-11.3038
-11.2273	-10.6029	-10.5419	-10.5353	-10.0554	-10.0450	-10.0362	-9.9871
-9.7328	-9.7305	-9.3854	-9.1426	-9.1348	-9.0242	-8.7995	-8.7268

-8.7092	-8.6391	-8.5274	-8.5191	-8.4673	-8.4405	-8.4351	-8.2354
-8.0479	-8.0026	-7.9287	-7.9266	-7.8077	-7.6541	-7.6096	-7.6015
-7.5947	-7.4926	-7.4233	-7.4195	-7.3981	-7.2638	-7.2354	-7.1271
-6.9593	-6.7701	-6.6887	-6.4318	-6.4274	-6.4240	-6.3494	-6.3425
-6.3380	-6.0319	-5.9654	-5.9440	-5.9133	-5.8885	-5.8272	-5.8169
-5.7140	-5.6810	-5.6292	-5.3626	-5.0859	-5.0691	-5.0164	-4.9160
-4.8561	-4.6292	-4.4103	-4.3739	-4.3192	-3.8878	-3.8871	-3.8239
-3.7754	-3.7743	-3.4333	-2.2518	-2.2460	-0.4603	0.0728	0.0905
1.1567	1.1586	1.4987	1.5036	1.6115	1.9521	2.0203	2.0539
2.1393	2.3052	2.3291	2.3777	2.4077	2.4366	2.4561	2.5312
2.6560	2.8046	2.8360	2.9428	2.9529	3.0846	3.0923	

k = 0.0000-0.4972 0.0000 (64826 PWs) bands (ev):

-21.4298	-21.2159	-21.0684	-20.8519	-20.7408	-20.6084	-20.1844	-20.1838
-19.7083	-19.6940	-19.3793	-19.3546	-19.1528	-18.8648	-18.8635	-18.7431
-18.4449	-18.4433	-18.3266	-18.2588	-18.2546	-18.2113	-17.8880	-17.5877
-17.5149	-16.5379	-16.5360	-16.3399	-16.3373	-14.8298	-14.8245	-13.8100
-13.8060	-13.7641	-13.7610	-13.2215	-13.2177	-12.7214	-12.5669	-12.2282
-12.0998	-12.0189	-11.9170	-11.7428	-11.6351	-11.5939	-11.3123	-11.3092
-11.2019	-10.6609	-10.5018	-10.4951	-10.0878	-10.0792	-10.0616	-9.9570
-9.7326	-9.7256	-9.4174	-9.0876	-9.0798	-9.0020	-8.7822	-8.7394
-8.7350	-8.6178	-8.5741	-8.5657	-8.4916	-8.3678	-8.3623	-8.2136
-8.0449	-7.9819	-7.9329	-7.9309	-7.8113	-7.6662	-7.6595	-7.6572
-7.5855	-7.4743	-7.4169	-7.4037	-7.4004	-7.2695	-7.2597	-7.1486
-6.9612	-6.7634	-6.6950	-6.3976	-6.3939	-6.3923	-6.3366	-6.3329
-6.3213	-6.0367	-5.9573	-5.9132	-5.9054	-5.8783	-5.8775	-5.8432
-5.6762	-5.6501	-5.6326	-5.3993	-5.1487	-5.0517	-5.0305	-4.9810
-4.8603	-4.6631	-4.4062	-4.3738	-4.3237	-3.8790	-3.8783	-3.8183
-3.7849	-3.7839	-3.4219	-2.2211	-2.2154	-0.4553	0.0408	0.0585
1.1844	1.1865	1.4703	1.4750	1.6298	1.9304	2.0126	2.0457
2.1610	2.3212	2.3266	2.3728	2.4141	2.4607	2.5088	2.5382
2.6353	2.7707	2.8581	2.9450	2.9487	3.0817	3.1175	

k = 0.0000-0.5132 0.0000 (64824 PWs) bands (ev):

-21.4180	-21.2318	-21.0494	-20.8762	-20.7429	-20.6100	-20.1871	-20.1865
-19.6964	-19.6651	-19.4106	-19.3401	-19.1597	-18.8253	-18.8240	-18.7621
-18.4894	-18.4878	-18.3253	-18.2587	-18.2560	-18.1512	-17.8843	-17.6523
-17.5087	-16.5204	-16.5185	-16.3619	-16.3594	-14.7796	-14.7743	-13.8616
-13.8579	-13.7114	-13.7083	-13.2771	-13.2734	-12.7168	-12.4751	-12.2174
-12.0882	-12.0220	-11.9216	-11.7625	-11.7295	-11.5958	-11.3167	-11.3136
-11.1691	-10.7177	-10.4615	-10.4546	-10.1303	-10.1220	-10.0666	-9.9300
-9.7333	-9.7194	-9.4470	-9.0332	-9.0253	-8.9790	-8.7689	-8.7655
-8.7421	-8.6218	-8.6135	-8.5994	-8.5140	-8.2956	-8.2901	-8.1946
-8.0446	-7.9643	-7.9366	-7.9346	-7.8143	-7.7315	-7.7249	-7.6598
-7.5577	-7.4555	-7.4334	-7.3872	-7.3845	-7.2864	-7.2834	-7.1608
-6.9628	-6.7624	-6.6963	-6.3876	-6.3838	-6.3527	-6.3088	-6.3056
-6.2957	-6.0408	-6.0006	-5.9383	-5.9290	-5.8762	-5.8684	-5.7929
-5.6722	-5.6270	-5.5869	-5.4348	-5.2121	-5.0841	-5.0461	-4.9920
-4.8638	-4.6976	-4.4024	-4.3736	-4.3277	-3.8701	-3.8693	-3.8138
-3.7945	-3.7935	-3.4126	-2.1953	-2.1896	-0.4511	0.0139	0.0316
1.2124	1.2147	1.4417	1.4461	1.6474	1.9098	2.0060	2.0384
2.1837	2.3245	2.3369	2.3634	2.4199	2.4560	2.5142	2.6161
2.6307	2.7377	2.8786	2.9437	2.9490	3.0792	3.1327	

k = 0.0000-0.5292 0.0000 (64850 PWs) bands (ev):

-21.4071	-21.2459	-21.0299	-20.8999	-20.7446	-20.6112	-20.1892	-20.1886
-19.6867	-19.6363	-19.4413	-19.3297	-19.1635	-18.7853	-18.7839	-18.7781
-18.5333	-18.5318	-18.3242	-18.2586	-18.2572	-18.0906	-17.8813	-17.7164
-17.5039	-16.5024	-16.5004	-16.3835	-16.3810	-14.7362	-14.7308	-13.9059

-13.9029	-13.6584	-13.6551	-13.3325	-13.3288	-12.7131	-12.3830	-12.2088
-12.0797	-12.0233	-11.9239	-11.8237	-11.7791	-11.6001	-11.3201	-11.3170
-11.1316	-10.7723	-10.4209	-10.4139	-10.1726	-10.1645	-10.0706	-9.9072
-9.7326	-9.7142	-9.4731	-8.9794	-8.9714	-8.9553	-8.7977	-8.7501
-8.7480	-8.6704	-8.6621	-8.5844	-8.5338	-8.2242	-8.2185	-8.1789
-8.0457	-7.9503	-7.9403	-7.9384	-7.8166	-7.7968	-7.7905	-7.6618
-7.5272	-7.4470	-7.4362	-7.3741	-7.3719	-7.3123	-7.3065	-7.1655
-6.9640	-6.7647	-6.6944	-6.3882	-6.3849	-6.3133	-6.2737	-6.2684
-6.2652	-6.0443	-6.0427	-5.9849	-5.9792	-5.8813	-5.8341	-5.7219
-5.6690	-5.6157	-5.5261	-5.4677	-5.2744	-5.1122	-5.1109	-4.9539
-4.8665	-4.7327	-4.3990	-4.3735	-4.3312	-3.8610	-3.8603	-3.8103
-3.8040	-3.8031	-3.4054	-2.1748	-2.1692	-0.4477	-0.0075	0.0103
1.2406	1.2432	1.4130	1.4171	1.6635	1.8913	2.0007	2.0323
2.2068	2.3229	2.3508	2.3512	2.4241	2.4428	2.5334	2.5991
2.7039	2.7281	2.8952	2.9410	2.9553	3.0772	3.1030	

k = 0.0000-0.5453 0.0000 (64846 PWs) bands (ev):

-21.3980	-21.2573	-21.0098	-20.9230	-20.7458	-20.6121	-20.1907	-20.1901
-19.6795	-19.6083	-19.4708	-19.3231	-19.1649	-18.7902	-18.7447	-18.7433
-18.5767	-18.5752	-18.3234	-18.2585	-18.2580	-18.0295	-17.8792	-17.7800
-17.5004	-16.4838	-16.4818	-16.4045	-16.4022	-14.7020	-14.6967	-13.9407
-13.9383	-13.6050	-13.6016	-13.3876	-13.3840	-12.7104	-12.2905	-12.2026
-12.0742	-12.0235	-11.9244	-11.9176	-11.7918	-11.6048	-11.3225	-11.3194
-11.0926	-10.8226	-10.3802	-10.3730	-10.2146	-10.2067	-10.0733	-9.8898
-9.7309	-9.7104	-9.4940	-8.9313	-8.9259	-8.9180	-8.8257	-8.7523
-8.7371	-8.7198	-8.7116	-8.5732	-8.5500	-8.1673	-8.1536	-8.1479
-8.0474	-7.9454	-7.9440	-7.9400	-7.8598	-7.8542	-7.8182	-7.6632
-7.4953	-7.4572	-7.4164	-7.3644	-7.3629	-7.3428	-7.3290	-7.1665
-6.9650	-6.7680	-6.6917	-6.3907	-6.3878	-6.2750	-6.2564	-6.2238
-6.2206	-6.0833	-6.0465	-6.0334	-6.0289	-5.8887	-5.8049	-5.6667
-5.6499	-5.6035	-5.4959	-5.4743	-5.3288	-5.1754	-5.1344	-4.9161
-4.8685	-4.7683	-4.3964	-4.3734	-4.3339	-3.8518	-3.8511	-3.8135
-3.8126	-3.8077	-3.4002	-2.1598	-2.1543	-0.4452	-0.0230	-0.0052
1.2691	1.2719	1.3842	1.3880	1.6769	1.8760	1.9968	2.0278
2.2292	2.3218	2.3356	2.3630	2.4233	2.4353	2.5577	2.5855
2.6736	2.8242	2.9052	2.9389	2.9687	3.0732	3.0765	

k = 0.0000-0.5613 0.0000 (64834 PWs) bands (ev):

-21.3918	-21.2649	-20.9891	-20.9455	-20.7465	-20.6126	-20.1916	-20.1910
-19.6751	-19.5830	-19.4968	-19.3196	-19.1651	-18.7979	-18.7035	-18.7021
-18.6195	-18.6180	-18.3229	-18.2585	-18.2585	-17.9679	-17.8780	-17.8431
-17.4983	-16.4648	-16.4627	-16.4250	-16.4228	-14.6799	-14.6746	-13.9630
-13.9613	-13.5512	-13.5478	-13.4424	-13.4389	-12.7087	-12.1989	-12.1977
-12.0711	-12.0232	-12.0112	-11.9242	-11.7998	-11.6083	-11.3239	-11.3209
-11.0585	-10.8631	-10.3391	-10.3318	-10.2563	-10.2487	-10.0750	-9.8788
-9.7291	-9.7081	-9.5079	-8.9060	-8.8735	-8.8654	-8.8529	-8.7701
-8.7620	-8.7549	-8.7280	-8.5664	-8.5610	-8.1601	-8.0846	-8.0790
-8.0487	-7.9640	-7.9617	-7.9337	-7.9081	-7.9055	-7.8192	-7.6640
-7.4648	-7.4634	-7.3967	-7.3732	-7.3587	-7.3578	-7.3499	-7.1662
-6.9655	-6.7705	-6.6896	-6.3927	-6.3900	-6.2452	-6.2409	-6.1775
-6.1741	-6.1186	-6.0819	-6.0780	-6.0479	-5.8947	-5.7843	-5.6652
-5.5942	-5.5797	-5.5159	-5.4652	-5.3419	-5.2385	-5.1487	-4.8788
-4.8697	-4.8043	-4.3947	-4.3733	-4.3357	-3.8428	-3.8420	-3.8228
-3.8219	-3.8062	-3.3970	-2.1508	-2.1452	-0.4438	-0.0324	-0.0146
1.2977	1.3008	1.3553	1.3589	1.6861	1.8657	1.9944	2.0251
2.2489	2.3198	2.3212	2.3709	2.4182	2.4353	2.5765	2.5841
2.6436	2.9094	2.9220	2.9377	2.9881	3.0465	3.0751	

k = 0.0000-0.5774 0.0000 (64894 PWs) bands (ev):

-21.3895	-21.2677	-20.9701	-20.9651	-20.7468	-20.6128	-20.1919	-20.1913
-19.6736	-19.5701	-19.5101	-19.3185	-19.1650	-18.8006	-18.6623	-18.6617
-18.6603	-18.6600	-18.3228	-18.2587	-18.2585	-17.9065	-17.9050	-17.8775
-17.4976	-16.4471	-16.4450	-16.4431	-16.4412	-14.6722	-14.6669	-13.9707
-13.9693	-13.4990	-13.4957	-13.4948	-13.4914	-12.7081	-12.1977	-12.1074
-12.1018	-12.0702	-12.0231	-11.9240	-11.8026	-11.6095	-11.3244	-11.3213
-11.0431	-10.8806	-10.2987	-10.2972	-10.2915	-10.2890	-10.0756	-9.8751
-9.7283	-9.7073	-9.5128	-8.8836	-8.8761	-8.8251	-8.8190	-8.8158
-8.8097	-8.7558	-8.7247	-8.5649	-8.5641	-8.1576	-8.0493	-8.0262
-8.0218	-8.0085	-8.0046	-7.9316	-7.9209	-7.9203	-7.8196	-7.6643
-7.4657	-7.4474	-7.3905	-7.3824	-7.3660	-7.3563	-7.3551	-7.1661
-6.9658	-6.7714	-6.6889	-6.3934	-6.3909	-6.2413	-6.2238	-6.1362
-6.1320	-6.1309	-6.1258	-6.1245	-6.0484	-5.8970	-5.7767	-5.6648
-5.5908	-5.5233	-5.5158	-5.5122	-5.2999	-5.2963	-5.1537	-4.8702
-4.8466	-4.8361	-4.3941	-4.3733	-4.3363	-3.8361	-3.8352	-3.8298
-3.8286	-3.8057	-3.3960	-2.1478	-2.1422	-0.4433	-0.0356	-0.0178
1.3261	1.3269	1.3291	1.3305	1.6894	1.8620	1.9936	2.0241
2.2584	2.3117	2.3209	2.3737	2.4160	2.4357	2.5733	2.6060
2.6204	2.9104	2.9372	3.0019	3.0151	3.0262	3.0316	

k = 0.0159-0.5774 0.0000 (64838 PWs) bands (ev):

-21.3893	-21.2675	-20.9698	-20.9648	-20.7521	-20.6071	-20.2281	-20.1545
-19.6779	-19.5697	-19.5076	-19.3166	-19.1647	-18.8009	-18.6978	-18.6960
-18.6256	-18.6238	-18.3260	-18.2804	-18.2347	-17.9062	-17.9048	-17.8776
-17.4973	-16.5128	-16.5104	-16.3777	-16.3749	-14.7002	-14.6384	-13.9946
-13.9458	-13.5613	-13.5579	-13.4320	-13.4284	-12.7076	-12.2012	-12.1072
-12.1016	-12.0713	-12.0184	-11.9240	-11.8059	-11.6046	-11.3994	-11.2455
-11.0431	-10.8806	-10.3758	-10.3721	-10.2168	-10.2131	-10.0840	-9.8699
-9.7730	-9.6608	-9.5131	-8.8833	-8.8757	-8.8641	-8.8556	-8.7791
-8.7704	-8.7544	-8.7244	-8.5650	-8.5647	-8.1628	-8.0441	-8.0365
-8.0164	-8.0088	-8.0037	-7.9533	-7.9304	-7.8818	-7.8286	-7.6547
-7.4672	-7.4458	-7.4322	-7.3904	-7.3835	-7.3667	-7.2800	-7.1700
-6.9670	-6.7715	-6.6852	-6.4527	-6.3345	-6.2639	-6.2078	-6.1719
-6.1613	-6.1326	-6.0905	-6.0858	-6.0490	-5.8934	-5.7756	-5.6652
-5.5905	-5.5233	-5.5163	-5.5126	-5.2996	-5.2960	-5.1539	-4.8709
-4.8475	-4.8371	-4.4094	-4.3838	-4.3131	-3.8947	-3.8901	-3.8053
-3.7757	-3.7709	-3.3957	-2.1903	-2.0990	-0.4430	-0.0640	0.0094
1.2630	1.2643	1.3935	1.3950	1.6898	1.8623	1.9931	2.0233
2.2588	2.3111	2.3207	2.3600	2.4167	2.4495	2.5715	2.6067
2.6208	2.9140	2.9263	3.0023	3.0150	3.0264	3.0320	

k = 0.0317-0.5774 0.0000 (64824 PWs) bands (ev):

-21.3885	-21.2670	-20.9689	-20.9639	-20.7661	-20.5919	-20.2641	-20.1169
-19.6895	-19.5704	-19.4995	-19.3113	-19.1640	-18.8021	-18.7330	-18.7312
-18.5887	-18.5869	-18.3379	-18.2963	-18.2106	-17.9053	-17.9039	-17.8778
-17.4964	-16.5800	-16.5777	-16.3098	-16.3069	-14.7302	-14.6070	-14.0196
-13.9221	-13.6249	-13.6216	-13.3664	-13.3627	-12.7060	-12.2109	-12.1066
-12.1010	-12.0744	-12.0062	-11.9239	-11.8143	-11.5908	-11.4750	-11.1675
-11.0429	-10.8807	-10.4561	-10.4523	-10.1384	-10.1347	-10.1059	-9.8699
-9.8102	-9.6074	-9.5122	-8.9063	-8.8978	-8.8821	-8.8745	-8.7503
-8.7367	-8.7279	-8.7234	-8.5679	-8.5640	-8.1762	-8.0578	-8.0310
-8.0114	-8.0091	-8.0017	-7.9755	-7.9270	-7.8510	-7.8397	-7.6305
-7.5083	-7.4707	-7.4421	-7.3901	-7.3874	-7.3706	-7.2042	-7.1812
-6.9710	-6.7722	-6.6742	-6.5147	-6.2956	-6.2877	-6.2119	-6.1993
-6.1865	-6.1178	-6.0506	-6.0492	-6.0450	-5.8832	-5.7724	-5.6665
-5.5896	-5.5232	-5.5177	-5.5139	-5.2988	-5.2952	-5.1544	-4.8732
-4.8505	-4.8400	-4.4459	-4.3905	-4.2774	-3.9552	-3.9507	-3.8041
-3.7177	-3.7127	-3.3949	-2.2348	-2.0524	-0.4420	-0.1009	0.0427
1.2003	1.2016	1.4610	1.4626	1.6910	1.8631	1.9916	2.0208
2.2598	2.3090	2.3208	2.3349	2.4177	2.4733	2.5692	2.6084

2.6219 2.8969 2.9287 3.0034 3.0147 3.0269 3.0336

k = 0.0476-0.5774 0.0000 (64808 PWs) bands (ev):

-21.3873	-21.2662	-20.9674	-20.9624	-20.7850	-20.5711	-20.2994	-20.0787
-19.7058	-19.5745	-19.4859	-19.3028	-19.1629	-18.8041	-18.7677	-18.7659
-18.5512	-18.5494	-18.3589	-18.3052	-18.1868	-17.9039	-17.9025	-17.8780
-17.4950	-16.6469	-16.6447	-16.2417	-16.2387	-14.7597	-14.5750	-14.0447
-13.8991	-13.6878	-13.6847	-13.3003	-13.2965	-12.7032	-12.2244	-12.1057
-12.1001	-12.0791	-11.9903	-11.9232	-11.8247	-11.5707	-11.5495	-11.0890
-11.0426	-10.8810	-10.5368	-10.5331	-10.1357	-10.0608	-10.0571	-9.9097
-9.8025	-9.5641	-9.5015	-8.9483	-8.9398	-8.8804	-8.8727	-8.7438
-8.7217	-8.6940	-8.6853	-8.5726	-8.5628	-8.1941	-8.0886	-8.0135
-8.0091	-8.0070	-7.9990	-7.9870	-7.9214	-7.8800	-7.7959	-7.5986
-7.5844	-7.4749	-7.4375	-7.3939	-7.3897	-7.3771	-7.1984	-7.1284
-6.9776	-6.7742	-6.6563	-6.5775	-6.3285	-6.2794	-6.2514	-6.2056
-6.1731	-6.0915	-6.0531	-6.0075	-6.0033	-5.8674	-5.7672	-5.6685
-5.5882	-5.5230	-5.5200	-5.5162	-5.2975	-5.2939	-5.1553	-4.8769
-4.8553	-4.8449	-4.4871	-4.3981	-4.2412	-4.0164	-4.0121	-3.8021
-3.6606	-3.6555	-3.3935	-2.2786	-2.0051	-0.4405	-0.1394	0.0752
1.1394	1.1406	1.5300	1.5318	1.6930	1.8645	1.9890	2.0167
2.2615	2.3046	2.3091	2.3220	2.4190	2.4869	2.5771	2.6109
2.6238	2.8644	2.9468	3.0051	3.0143	3.0269	3.0376	

k = 0.0635-0.5774 0.0000 (64824 PWs) bands (ev):

-21.3856	-21.2651	-20.9654	-20.9604	-20.8064	-20.5470	-20.3342	-20.0399
-19.7248	-19.5820	-19.4679	-19.2918	-19.1613	-18.8068	-18.8018	-18.8001
-18.5132	-18.5114	-18.3848	-18.3107	-18.1636	-17.9020	-17.9006	-17.8784
-17.4930	-16.7135	-16.7113	-16.1735	-16.1703	-14.7888	-14.5426	-14.0700
-13.8770	-13.7500	-13.7469	-13.2336	-13.2296	-12.6994	-12.2399	-12.1043
-12.0987	-12.0851	-11.9770	-11.9191	-11.8337	-11.6227	-11.5464	-11.0422
-11.0099	-10.8813	-10.6181	-10.6143	-10.1693	-9.9841	-9.9805	-9.9644
-9.7800	-9.5450	-9.4651	-8.9901	-8.9818	-8.8779	-8.8702	-8.7357
-8.7194	-8.6513	-8.6425	-8.5790	-8.5612	-8.2141	-8.1245	-8.0082
-8.0032	-7.9959	-7.9940	-7.9918	-7.9137	-7.9118	-7.7507	-7.6605
-7.5627	-7.4794	-7.4327	-7.4030	-7.3892	-7.3862	-7.2201	-7.0527
-6.9867	-6.7780	-6.6410	-6.6326	-6.3617	-6.3056	-6.2905	-6.2204
-6.1251	-6.0595	-6.0565	-5.9652	-5.9608	-5.8476	-5.7605	-5.6713
-5.5862	-5.5233	-5.5228	-5.5194	-5.2956	-5.2921	-5.1567	-4.8821
-4.8621	-4.8517	-4.5299	-4.4079	-4.2056	-4.0783	-4.0740	-3.7996
-3.6046	-3.5994	-3.3916	-2.3217	-1.9571	-0.4385	-0.1792	0.1066
1.0803	1.0816	1.6003	1.6023	1.6958	1.8664	1.9851	2.0113
2.2637	2.2855	2.2981	2.3240	2.4206	2.4818	2.6030	2.6144
2.6266	2.8305	2.9680	3.0073	3.0140	3.0266	3.0443	

k = 0.0794-0.5774 0.0000 (64784 PWs) bands (ev):

-21.3834	-21.2637	-20.9627	-20.9577	-20.8289	-20.5210	-20.3684	-20.0006
-19.7452	-19.5922	-19.4472	-19.2788	-19.1592	-18.8354	-18.8337	-18.8104
-18.4747	-18.4728	-18.4129	-18.3155	-18.1412	-17.8995	-17.8981	-17.8790
-17.4905	-16.7797	-16.7777	-16.1053	-16.1019	-14.8174	-14.5096	-14.0954
-13.8560	-13.8113	-13.8083	-13.1663	-13.1623	-12.6946	-12.2561	-12.1026
-12.0970	-12.0922	-11.9745	-11.9065	-11.8382	-11.6943	-11.5196	-11.0418
-10.9306	-10.8819	-10.6997	-10.6959	-10.2046	-10.0212	-9.9083	-9.9047
-9.7602	-9.5360	-9.4139	-9.0318	-9.0235	-8.8747	-8.8669	-8.7267
-8.7164	-8.6085	-8.5996	-8.5870	-8.5591	-8.2350	-8.1623	-8.0066
-7.9997	-7.9937	-7.9915	-7.9736	-7.9447	-7.9040	-7.7365	-7.7045
-7.5245	-7.4837	-7.4280	-7.4146	-7.3978	-7.3885	-7.2445	-6.9982
-6.9772	-6.7836	-6.7049	-6.6044	-6.3949	-6.3398	-6.3290	-6.2395
-6.0689	-6.0604	-6.0248	-5.9226	-5.9179	-5.8248	-5.7526	-5.6746
-5.5837	-5.5277	-5.5235	-5.5223	-5.2931	-5.2897	-5.1585	-4.8887

-4.8708	-4.8604	-4.5739	-4.4198	-4.1712	-4.1406	-4.1364	-3.7969
-3.5499	-3.5446	-3.3892	-2.3641	-1.9084	-0.4359	-0.2203	0.1368
1.0232	1.0246	1.6719	1.6741	1.6994	1.8687	1.9796	2.0050
2.2641	2.2669	2.2898	2.3269	2.4226	2.4653	2.6181	2.6283
2.6428	2.7970	2.9883	3.0089	3.0147	3.0259	3.0531	

k = 0.0952-0.5774 0.0000 (64810 PWs) bands (ev):

-21.3807	-21.2620	-20.9595	-20.9545	-20.8519	-20.4937	-20.4021	-19.9607
-19.7665	-19.6042	-19.4247	-19.2642	-19.1566	-18.8684	-18.8667	-18.8148
-18.4424	-18.4356	-18.4337	-18.3202	-18.1197	-17.8964	-17.8950	-17.8797
-17.4875	-16.8456	-16.8436	-16.0370	-16.0334	-14.8455	-14.4762	-14.1207
-13.8718	-13.8691	-13.8358	-13.0985	-13.0944	-12.6888	-12.2721	-12.1005
-12.1003	-12.0949	-11.9834	-11.8880	-11.8348	-11.7643	-11.4912	-11.0414
-10.8826	-10.8509	-10.7816	-10.7778	-10.2406	-10.0779	-9.8337	-9.8301
-9.7492	-9.5218	-9.3595	-9.0734	-9.0651	-8.8708	-8.8629	-8.7178
-8.7127	-8.5963	-8.5656	-8.5567	-8.5567	-8.2560	-8.2008	-8.0041
-7.9968	-7.9917	-7.9879	-7.9778	-7.9531	-7.8923	-7.8126	-7.6574
-7.4880	-7.4849	-7.4288	-7.4239	-7.4120	-7.3877	-7.2701	-7.0120
-6.9019	-6.7907	-6.7692	-6.5732	-6.4278	-6.3758	-6.3669	-6.2612
-6.0647	-6.0110	-5.9889	-5.8797	-5.8744	-5.7999	-5.7441	-5.6784
-5.5805	-5.5330	-5.5286	-5.5217	-5.2901	-5.2867	-5.1608	-4.8967
-4.8812	-4.8709	-4.6187	-4.4336	-4.2033	-4.1993	-4.1379	-3.7940
-3.4965	-3.4911	-3.3862	-2.4058	-1.8591	-0.4328	-0.2626	0.1659
0.9682	0.9697	1.7037	1.7448	1.7472	1.8716	1.9720	1.9984
2.2468	2.2684	2.2812	2.3305	2.4247	2.4443	2.6230	2.6326
2.6856	2.7649	3.0048	3.0089	3.0173	3.0254	3.0546	

k = 0.1111-0.5774 0.0000 (64852 PWs) bands (ev):

-21.3776	-21.2601	-20.9557	-20.9507	-20.8749	-20.4656	-20.4352	-19.9202
-19.7881	-19.6174	-19.4011	-19.2486	-19.1536	-18.9008	-18.8992	-18.8200
-18.4727	-18.3959	-18.3940	-18.3251	-18.0991	-17.8928	-17.8914	-17.8806
-17.4842	-16.9111	-16.9092	-15.9689	-15.9650	-14.8731	-14.4423	-14.1460
-13.9313	-13.9287	-13.8176	-13.0301	-13.0259	-12.6821	-12.2875	-12.1090
-12.0980	-12.0924	-11.9988	-11.8732	-11.8322	-11.8193	-11.4620	-11.0411
-10.8835	-10.8638	-10.8599	-10.7710	-10.2767	-10.1336	-9.7603	-9.7568
-9.7493	-9.4982	-9.3046	-9.1148	-9.1066	-8.8662	-8.8582	-8.7098
-8.7084	-8.6067	-8.5539	-8.5227	-8.5136	-8.2769	-8.2393	-8.0108
-8.0006	-7.9939	-7.9881	-7.9837	-7.9325	-7.8885	-7.8787	-7.6095
-7.4920	-7.4455	-7.4442	-7.4288	-7.4208	-7.3867	-7.2955	-7.0281
-6.8340	-6.8268	-6.7992	-6.5398	-6.4604	-6.4121	-6.4044	-6.2843
-6.0693	-5.9528	-5.9522	-5.8366	-5.8306	-5.7736	-5.7355	-5.6823
-5.5769	-5.5394	-5.5345	-5.5209	-5.2864	-5.2831	-5.1638	-4.9059
-4.8935	-4.8832	-4.6644	-4.4488	-4.2664	-4.2625	-4.1060	-3.7912
-3.4447	-3.4391	-3.3828	-2.4469	-1.8090	-0.4293	-0.3061	0.1939
0.9154	0.9170	1.7089	1.8189	1.8215	1.8748	1.9620	1.9922
2.2320	2.2631	2.2787	2.3345	2.4218	2.4271	2.6287	2.6366
2.7310	2.7359	3.0076	3.0160	3.0206	3.0263	3.0333	

k = 0.1270-0.5774 0.0000 (64820 PWs) bands (ev):

-21.3739	-21.2579	-20.9513	-20.9462	-20.8977	-20.4677	-20.4370	-19.8792
-19.8099	-19.6314	-19.3768	-19.2321	-19.1500	-18.9327	-18.9310	-18.8260
-18.5036	-18.3557	-18.3538	-18.3302	-18.0794	-17.8886	-17.8872	-17.8817
-17.4806	-16.9762	-16.9744	-15.9009	-15.8968	-14.9002	-14.4079	-14.1712
-13.9897	-13.9873	-13.8011	-12.9613	-12.9570	-12.6745	-12.3019	-12.1182
-12.0951	-12.0895	-12.0175	-11.8978	-11.8650	-11.7919	-11.4325	-11.0411
-10.9462	-10.9424	-10.8846	-10.6911	-10.3129	-10.1873	-9.7591	-9.6882
-9.6848	-9.4658	-9.2502	-9.1559	-9.1479	-8.8609	-8.8527	-8.7038
-8.7034	-8.6180	-8.5507	-8.4796	-8.4706	-8.2973	-8.2774	-8.0433
-7.9960	-7.9901	-7.9841	-7.9795	-7.9639	-7.9122	-7.8635	-7.5609

-7.4960	-7.4647	-7.4480	-7.4193	-7.4028	-7.3855	-7.3191	-7.0463
-6.8991	-6.8087	-6.7519	-6.5051	-6.4926	-6.4482	-6.4412	-6.3083
-6.0741	-5.9151	-5.8946	-5.7935	-5.7866	-5.7462	-5.7277	-5.6857
-5.5726	-5.5467	-5.5413	-5.5196	-5.2821	-5.2789	-5.1676	-4.9162
-4.9073	-4.8971	-4.7107	-4.4651	-4.3299	-4.3261	-4.0756	-3.7888
-3.3944	-3.3888	-3.3789	-2.4872	-1.7582	-0.4255	-0.3509	0.2208
0.8649	0.8667	1.7149	1.8784	1.8941	1.8970	1.9501	1.9865
2.2199	2.2507	2.2825	2.3383	2.4002	2.4294	2.6351	2.6401
2.7078	2.7807	2.9960	3.0060	3.0184	3.0299	3.0309	

k = 0.1429-0.5774 0.0000 (64840 PWs) bands (ev):

-21.3698	-21.2556	-20.9462	-20.9412	-20.9201	-20.4996	-20.4079	-19.8376
-19.8317	-19.6458	-19.3521	-19.2152	-19.1459	-18.9640	-18.9624	-18.8328
-18.5352	-18.3353	-18.3150	-18.3130	-18.0608	-17.8838	-17.8830	-17.8824
-17.4767	-17.0409	-17.0392	-15.8333	-15.8289	-14.9269	-14.3730	-14.1963
-14.0469	-14.0447	-13.7867	-12.8919	-12.8876	-12.6661	-12.3151	-12.1278
-12.0919	-12.0862	-12.0377	-11.9608	-11.8600	-11.7578	-11.4032	-11.0413
-11.0288	-11.0250	-10.8861	-10.6111	-10.3496	-10.2381	-9.7757	-9.6177
-9.6143	-9.4271	-9.1970	-9.1966	-9.1889	-8.8549	-8.8465	-8.7007
-8.6978	-8.6298	-8.5473	-8.4366	-8.4275	-8.3172	-8.3151	-8.0751
-8.0405	-7.9901	-7.9851	-7.9790	-7.9744	-7.8920	-7.8469	-7.5115
-7.5001	-7.4864	-7.4697	-7.4206	-7.3841	-7.3607	-7.3390	-7.0665
-6.9645	-6.8192	-6.6773	-6.5244	-6.4840	-6.4775	-6.4698	-6.3326
-6.0789	-5.8776	-5.8369	-5.7508	-5.7424	-5.7220	-5.7182	-5.6877
-5.5678	-5.5550	-5.5486	-5.5179	-5.2772	-5.2740	-5.1722	-4.9274
-4.9228	-4.9126	-4.7577	-4.4821	-4.3936	-4.3899	-4.0465	-3.7869
-3.3747	-3.3458	-3.3401	-2.5268	-1.7068	-0.4214	-0.3968	0.2466
0.8168	0.8188	1.7216	1.8823	1.9368	1.9703	1.9735	1.9812
2.2100	2.2360	2.2879	2.3399	2.3819	2.4317	2.6404	2.6426
2.6867	2.8300	2.9582	3.0039	3.0171	3.0370	3.0392	

k = 0.1587-0.5774 0.0000 (64820 PWs) bands (ev):

-21.3652	-21.2532	-20.9419	-20.9406	-20.9356	-20.5310	-20.3785	-19.8535
-19.7954	-19.6605	-19.3272	-19.1979	-19.1413	-18.9948	-18.9932	-18.8404
-18.5672	-18.3405	-18.2737	-18.2717	-18.0433	-17.8845	-17.8785	-17.8771
-17.4727	-17.1053	-17.1036	-15.7661	-15.7615	-14.9530	-14.3377	-14.2212
-14.1027	-14.1008	-13.7748	-12.8221	-12.8177	-12.6571	-12.3270	-12.1377
-12.0883	-12.0826	-12.0584	-12.0207	-11.8561	-11.7201	-11.3744	-11.1116
-11.1078	-11.0421	-10.8880	-10.5311	-10.3875	-10.2846	-9.7964	-9.5489
-9.5456	-9.3842	-9.2378	-9.2298	-9.1441	-8.8483	-8.8396	-8.7013
-8.6915	-8.6418	-8.5437	-8.3937	-8.3846	-8.3518	-8.3366	-8.1161
-8.1061	-7.9829	-7.9789	-7.9739	-7.9695	-7.8718	-7.8289	-7.5105
-7.5046	-7.4939	-7.4613	-7.4257	-7.3825	-7.3535	-7.3183	-7.0886
-7.0302	-6.8303	-6.6030	-6.5558	-6.5194	-6.5132	-6.4344	-6.3571
-6.0838	-5.8399	-5.7796	-5.7195	-5.7094	-5.6988	-5.6898	-5.6872
-5.5638	-5.5625	-5.5555	-5.5156	-5.2716	-5.2686	-5.1778	-4.9396
-4.9394	-4.9296	-4.8052	-4.4994	-4.4574	-4.4538	-4.0190	-3.7857
-3.3701	-3.2992	-3.2934	-2.5657	-1.6547	-0.4440	-0.4171	0.2713
0.7713	0.7736	1.7292	1.8864	1.9229	1.9762	2.0476	2.0510
2.2021	2.2200	2.2940	2.3340	2.3727	2.4339	2.6330	2.6505
2.6767	2.8746	2.9256	3.0014	3.0150	3.0445	3.0485	

k = 0.1746-0.5774 0.0000 (64816 PWs) bands (ev):

-21.3602	-21.2508	-20.9631	-20.9345	-20.9295	-20.5618	-20.3489	-19.8750
-19.7527	-19.6751	-19.3023	-19.1806	-19.1360	-19.0250	-19.0234	-18.8486
-18.5995	-18.3455	-18.2319	-18.2298	-18.0268	-17.8863	-17.8727	-17.8712
-17.4686	-17.1692	-17.1675	-15.6997	-15.6948	-14.9787	-14.3019	-14.2458
-14.1570	-14.1553	-13.7658	-12.7518	-12.7473	-12.6475	-12.3375	-12.1476
-12.0846	-12.0794	-12.0791	-12.0760	-11.8528	-11.6802	-11.3465	-11.1945

-11.1907	-11.0437	-10.8903	-10.4511	-10.4274	-10.3254	-9.8194	-9.4819
-9.4787	-9.3386	-9.2783	-9.2705	-9.0930	-8.8410	-8.8320	-8.7060
-8.6846	-8.6537	-8.5401	-8.3898	-8.3556	-8.3499	-8.3406	-8.1915
-8.1360	-7.9742	-7.9721	-7.9677	-7.9640	-7.8514	-7.8098	-7.5369
-7.5204	-7.5102	-7.4342	-7.4107	-7.3813	-7.3615	-7.2755	-7.1122
-7.0961	-6.8419	-6.5866	-6.5542	-6.5484	-6.5289	-6.3993	-6.3815
-6.0886	-5.8020	-5.7229	-5.7205	-5.6845	-5.6721	-5.6611	-5.6575
-5.5712	-5.5596	-5.5565	-5.5127	-5.2654	-5.2624	-5.1845	-4.9578
-4.9520	-4.9479	-4.8531	-4.5215	-4.5180	-4.5165	-3.9931	-3.7852
-3.3654	-3.2546	-3.2487	-2.6038	-1.6019	-0.4924	-0.4127	0.2950
0.7286	0.7310	1.7375	1.8905	1.9089	1.9713	2.1256	2.1295
2.1953	2.2035	2.3008	2.3197	2.3740	2.4359	2.6177	2.6593
2.6778	2.8685	2.9449	2.9987	3.0124	3.0530	3.0583	

k = 0.1905-0.5774 0.0000 (64822 PWs) bands (ev):

-21.3547	-21.2484	-20.9833	-20.9277	-20.9227	-20.5920	-20.3192	-19.8964
-19.7095	-19.6896	-19.2775	-19.1634	-19.1300	-19.0546	-19.0530	-18.8575
-18.6321	-18.3504	-18.1895	-18.1874	-18.0114	-17.8883	-17.8663	-17.8648
-17.4646	-17.2327	-17.2310	-15.6343	-15.6291	-15.0039	-14.2703	-14.2655
-14.2094	-14.2080	-13.7601	-12.6811	-12.6764	-12.6375	-12.3466	-12.1574
-12.1298	-12.0991	-12.0798	-12.0741	-11.8500	-11.6384	-11.3200	-11.2775
-11.2737	-11.0465	-10.8931	-10.4691	-10.3714	-10.3598	-9.8433	-9.4171
-9.4139	-9.3186	-9.3109	-9.2914	-9.0433	-8.8331	-8.8236	-8.7148
-8.6771	-8.6659	-8.5366	-8.4254	-8.3746	-8.3069	-8.2976	-8.2667
-8.1647	-7.9664	-7.9637	-7.9602	-7.9569	-7.8309	-7.7899	-7.5658
-7.5493	-7.5173	-7.4439	-7.3809	-7.3642	-7.3593	-7.2324	-7.1623
-7.1373	-6.8536	-6.6169	-6.5885	-6.5829	-6.4553	-6.4057	-6.3650
-6.0935	-5.7642	-5.7233	-5.6809	-5.6668	-5.6459	-5.6325	-5.6271
-5.5688	-5.5538	-5.5501	-5.5092	-5.2585	-5.2557	-5.1923	-4.9772
-4.9673	-4.9650	-4.9013	-4.5856	-4.5822	-4.5331	-3.9688	-3.7856
-3.3606	-3.2121	-3.2062	-2.6413	-1.5484	-0.5419	-0.4084	0.3176
0.6887	0.6914	1.7465	1.8942	1.8956	1.9667	2.1824	2.1911
2.2064	2.2095	2.3024	2.3084	2.3801	2.4377	2.6008	2.6689
2.6837	2.8329	2.9942	2.9960	3.0095	3.0626	3.0687	

k = 0.2063-0.5774 0.0000 (64806 PWs) bands (ev):

-21.3487	-21.2463	-21.0026	-20.9203	-20.9154	-20.6216	-20.2897	-19.9175
-19.7038	-19.6657	-19.2531	-19.1468	-19.1233	-19.0837	-19.0821	-18.8666
-18.6650	-18.3549	-18.1466	-18.1445	-17.9972	-17.8906	-17.8593	-17.8578
-17.4606	-17.2957	-17.2941	-15.5703	-15.5647	-15.0286	-14.2944	-14.2596
-14.2585	-14.2288	-13.7582	-12.6273	-12.6098	-12.6051	-12.3542	-12.1779
-12.1670	-12.1183	-12.0751	-12.0693	-11.8476	-11.5951	-11.3605	-11.3568
-11.2952	-11.0509	-10.8966	-10.5114	-10.3883	-10.2918	-9.8671	-9.3609
-9.3560	-9.3505	-9.3482	-9.2432	-8.9954	-8.8246	-8.8145	-8.7268
-8.6787	-8.6690	-8.5333	-8.4606	-8.3939	-8.3416	-8.2638	-8.2544
-8.1919	-7.9606	-7.9554	-7.9503	-7.9461	-7.8099	-7.7693	-7.5969
-7.5805	-7.5262	-7.4525	-7.3813	-7.3635	-7.3073	-7.2287	-7.1894
-7.1636	-6.8652	-6.6467	-6.6223	-6.6168	-6.4293	-6.3820	-6.3319
-6.0984	-5.7269	-5.7265	-5.6778	-5.6391	-5.6241	-5.6109	-5.6040
-5.5430	-5.5409	-5.5301	-5.5052	-5.2510	-5.2482	-5.2015	-4.9976
-4.9879	-4.9781	-4.9498	-4.6498	-4.6464	-4.5489	-3.9462	-3.7869
-3.3557	-3.1719	-3.1660	-2.6781	-1.4943	-0.5926	-0.4041	0.3393
0.6517	0.6547	1.7564	1.8825	1.8982	1.9623	2.1660	2.1864
2.2852	2.2862	2.2895	2.3160	2.3882	2.4391	2.5853	2.6793
2.6917	2.7959	2.9922	3.0062	3.0439	3.0734	3.0801	

k = 0.2222-0.5774 0.0000 (64840 PWs) bands (ev):

-21.3424	-21.2446	-21.0206	-20.9124	-20.9074	-20.6506	-20.2603	-19.9383
-19.7174	-19.6213	-19.2294	-19.1310	-19.1155	-19.1122	-19.1106	-18.8759

-18.6978	-18.3591	-18.1031	-18.1010	-17.9842	-17.8930	-17.8518	-17.8503
-17.4569	-17.3584	-17.3568	-15.5081	-15.5021	-15.0528	-14.3183	-14.3071
-14.3062	-14.1915	-13.7606	-12.6172	-12.5382	-12.5334	-12.3603	-12.2213
-12.1763	-12.1362	-12.0700	-12.0642	-11.8458	-11.5505	-11.4436	-11.4399
-11.2725	-11.0575	-10.9009	-10.5527	-10.4115	-10.2124	-9.8901	-9.3990
-9.3913	-9.2942	-9.2908	-9.1944	-8.9495	-8.8158	-8.8047	-8.7414
-8.6928	-8.6603	-8.5306	-8.4952	-8.4160	-8.4140	-8.2206	-8.2174
-8.2111	-7.9551	-7.9495	-7.9362	-7.9324	-7.7885	-7.7482	-7.6303
-7.6140	-7.5365	-7.4592	-7.3820	-7.3613	-7.2953	-7.2546	-7.1907
-7.1465	-6.8765	-6.6758	-6.6554	-6.6501	-6.4524	-6.3092	-6.3003
-6.1034	-5.7302	-5.6892	-5.6759	-5.6468	-5.6356	-5.5760	-5.5564
-5.5353	-5.5010	-5.4993	-5.4933	-5.2429	-5.2402	-5.2119	-5.0188
-5.0092	-4.9983	-4.9909	-4.7139	-4.7107	-4.5634	-3.9252	-3.7890
-3.3510	-3.1343	-3.1282	-2.7141	-1.4394	-0.6445	-0.4000	0.3599
0.6179	0.6211	1.7670	1.8709	1.9011	1.9581	2.1482	2.1825
2.2711	2.3238	2.3657	2.3706	2.3973	2.4405	2.5723	2.6903
2.7003	2.7603	2.9885	3.0026	3.0500	3.0796	3.0870	

k = 0.2381-0.5774 0.0000 (64812 PWs) bands (ev):

-21.3356	-21.2435	-21.0370	-20.9039	-20.8989	-20.6791	-20.2313	-19.9588
-19.7304	-19.5764	-19.2068	-19.1401	-19.1386	-19.1167	-19.1063	-18.8849
-18.7305	-18.3628	-18.0591	-18.0570	-17.9724	-17.8957	-17.8437	-17.8422
-17.4534	-17.4206	-17.4189	-15.4486	-15.4421	-15.0766	-14.3512	-14.3506
-14.3418	-14.1538	-13.7675	-12.6074	-12.4661	-12.4612	-12.3650	-12.2594
-12.1851	-12.1528	-12.0645	-12.0587	-11.8444	-11.5267	-11.5230	-11.5048
-11.2525	-11.0668	-10.9062	-10.5909	-10.4304	-10.1334	-9.9115	-9.4386
-9.4309	-9.2368	-9.2334	-9.1455	-8.9059	-8.8068	-8.7942	-8.7576
-8.7083	-8.6510	-8.5292	-8.5287	-8.4897	-8.4350	-8.2407	-8.1774
-8.1679	-7.9496	-7.9438	-7.9196	-7.9163	-7.7669	-7.7269	-7.6659
-7.6496	-7.5472	-7.4645	-7.3827	-7.3621	-7.3587	-7.2182	-7.2013
-7.1041	-6.8871	-6.7041	-6.6880	-6.6828	-6.4745	-6.2706	-6.2368
-6.1085	-5.7328	-5.6752	-5.6618	-5.6526	-5.6525	-5.5490	-5.5265
-5.5025	-5.4966	-5.4541	-5.4509	-5.2342	-5.2316	-5.2235	-5.0467
-5.0405	-5.0311	-5.0031	-4.7780	-4.7748	-4.5764	-3.9060	-3.7921
-3.3465	-3.0992	-3.0931	-2.7495	-1.3839	-0.6975	-0.3961	0.3796
0.5873	0.5907	1.7783	1.8605	1.9029	1.9543	2.1311	2.1790
2.2580	2.3318	2.4057	2.4394	2.4495	2.4531	2.5623	2.7005
2.7061	2.7312	2.9844	2.9987	3.0128	3.0931	3.0999	

k = 0.2540-0.5774 0.0000 (64842 PWs) bands (ev):

-21.3286	-21.2434	-21.0515	-20.8947	-20.8898	-20.7070	-20.2030	-19.9788
-19.7425	-19.5309	-19.1858	-19.1675	-19.1660	-19.1044	-19.0957	-18.8930
-18.7627	-18.3660	-18.0146	-18.0125	-17.9618	-17.8985	-17.8350	-17.8335
-17.4823	-17.4807	-17.4503	-15.3925	-15.3855	-15.0998	-14.3911	-14.3906
-14.3651	-14.1155	-13.7795	-12.5983	-12.3935	-12.3886	-12.3683	-12.2918
-12.1933	-12.1676	-12.0587	-12.0528	-11.8436	-11.6098	-11.6061	-11.4581
-11.2355	-11.0797	-10.9125	-10.6245	-10.4454	-10.0547	-9.9308	-9.4780
-9.4704	-9.1823	-9.1787	-9.0966	-8.8653	-8.7984	-8.7830	-8.7752
-8.7250	-8.6413	-8.5626	-8.5616	-8.5280	-8.4570	-8.2614	-8.1343
-8.1247	-7.9440	-7.9381	-7.9007	-7.8977	-7.7455	-7.7058	-7.7037
-7.6875	-7.5573	-7.4694	-7.4290	-7.3830	-7.3559	-7.2456	-7.1474
-7.0625	-6.8967	-6.7317	-6.7200	-6.7149	-6.4954	-6.2433	-6.1649
-6.1139	-5.7343	-5.6809	-5.6760	-5.6727	-5.6170	-5.5258	-5.5143
-5.4927	-5.4494	-5.4077	-5.4063	-5.2359	-5.2249	-5.2224	-5.0945
-5.0626	-5.0533	-5.0144	-4.8420	-4.8388	-4.5876	-3.8885	-3.7959
-3.3425	-3.0668	-3.0607	-2.7841	-1.3278	-0.7516	-0.3927	0.3984
0.5600	0.5638	1.7904	1.8516	1.9031	1.9509	2.1153	2.1758
2.2470	2.3397	2.4140	2.4443	2.5263	2.5350	2.5580	2.6829
2.7159	2.7296	2.9749	2.9800	2.9943	3.1061	3.1128	

k = 0.2698-0.5774 0.0000 (64842 PWs) bands (ev):

-21.3213	-21.2443	-21.0638	-20.8850	-20.8801	-20.7343	-20.1757	-19.9983
-19.7534	-19.4849	-19.1943	-19.1928	-19.1670	-19.0938	-19.0843	-18.8995
-18.7941	-18.3686	-17.9696	-17.9674	-17.9527	-17.9014	-17.8258	-17.8243
-17.5436	-17.5419	-17.4476	-15.3411	-15.3336	-15.1226	-14.4257	-14.4249
-14.3880	-14.0768	-13.7967	-12.5901	-12.3703	-12.3213	-12.3179	-12.3153
-12.2005	-12.1805	-12.0525	-12.0466	-11.8431	-11.6929	-11.6892	-11.4105
-11.2222	-11.0968	-10.9199	-10.6519	-10.4569	-9.9765	-9.9475	-9.5171
-9.5096	-9.1310	-9.1272	-9.0482	-8.8289	-8.7935	-8.7924	-8.7710
-8.7421	-8.6313	-8.6307	-8.5946	-8.5290	-8.4795	-8.2789	-8.0913
-8.0815	-7.9383	-7.9324	-7.8792	-7.8765	-7.7436	-7.7274	-7.7249
-7.6854	-7.5654	-7.4961	-7.4750	-7.3830	-7.3533	-7.2720	-7.0929
-7.0223	-6.9051	-6.7580	-6.7514	-6.7463	-6.5147	-6.2189	-6.1195
-6.0936	-5.7345	-5.7030	-5.6954	-5.6779	-5.5836	-5.5119	-5.4934
-5.4893	-5.3972	-5.3614	-5.3602	-5.2488	-5.2153	-5.2129	-5.1412
-5.0845	-5.0754	-5.0243	-4.9057	-4.9025	-4.5969	-3.8729	-3.8006
-3.3389	-3.0374	-3.0313	-2.8180	-1.2709	-0.8068	-0.3897	0.4162
0.5362	0.5403	1.8032	1.8443	1.9010	1.9478	2.1015	2.1729
2.2382	2.3469	2.4200	2.4503	2.5447	2.6126	2.6187	2.6563
2.7293	2.7404	2.9375	2.9751	2.9896	3.1196	3.1262	

k = 0.2857-0.5774 0.0000 (64838 PWs) bands (ev):

-21.3140	-21.2466	-21.0736	-20.8747	-20.8698	-20.7610	-20.1499	-20.0171
-19.7628	-19.4383	-19.2205	-19.2190	-19.1509	-19.0855	-19.0727	-18.9036
-18.8239	-18.3707	-17.9450	-17.9240	-17.9218	-17.9041	-17.8161	-17.8145
-17.6044	-17.6027	-17.4454	-15.2959	-15.2879	-15.1448	-14.4534	-14.4521
-14.4105	-14.0377	-13.8193	-12.5833	-12.3711	-12.3390	-12.2472	-12.2421
-12.2065	-12.1911	-12.0459	-12.0400	-11.8429	-11.7758	-11.7721	-11.3623
-11.2132	-11.1187	-10.9279	-10.6724	-10.4653	-9.9610	-9.8988	-9.5560
-9.5486	-9.0830	-9.0787	-9.0007	-8.8132	-8.8002	-8.7963	-8.7585
-8.7562	-8.6886	-8.6261	-8.6212	-8.5317	-8.5018	-8.2928	-8.0483
-8.0384	-7.9325	-7.9266	-7.8552	-7.8525	-7.7855	-7.7694	-7.7063
-7.6668	-7.5705	-7.5634	-7.4822	-7.3828	-7.3508	-7.2963	-7.0378
-6.9848	-6.9120	-6.7828	-6.7821	-6.7772	-6.5319	-6.1976	-6.1256
-6.0229	-5.7333	-5.7280	-5.7205	-5.6807	-5.5539	-5.5002	-5.4870
-5.4713	-5.3464	-5.3162	-5.3133	-5.2613	-5.2055	-5.2031	-5.1856
-5.1055	-5.0965	-5.0324	-4.9692	-4.9656	-4.6042	-3.8590	-3.8059
-3.3359	-3.0109	-3.0048	-2.8512	-1.2134	-0.8630	-0.3872	0.4332
0.5160	0.5204	1.8167	1.8387	1.8960	1.9453	2.0906	2.1703
2.2316	2.3532	2.4235	2.4598	2.5398	2.6210	2.7006	2.7050
2.7437	2.7533	2.9009	2.9699	2.9846	3.1338	3.1402	

k = 0.3016-0.5774 0.0000 (64820 PWs) bands (ev):

-21.3072	-21.2498	-21.0805	-20.8639	-20.8589	-20.7871	-20.1265	-20.0347
-19.7702	-19.3912	-19.2462	-19.2447	-19.1382	-19.0804	-19.0613	-18.9049
-18.8503	-18.3721	-17.9391	-17.9066	-17.8779	-17.8756	-17.8057	-17.8042
-17.6647	-17.6630	-17.4437	-15.2587	-15.2502	-15.1665	-14.4722	-14.4705
-14.4326	-13.9981	-13.8474	-12.5781	-12.3712	-12.3535	-12.2111	-12.1991
-12.1734	-12.1683	-12.0390	-12.0330	-11.8587	-11.8550	-11.8430	-11.3136
-11.2091	-11.1459	-10.9352	-10.6859	-10.4710	-9.9710	-9.8215	-9.5946
-9.5872	-9.0386	-9.0336	-8.9548	-8.8325	-8.8289	-8.7959	-8.7530
-8.7453	-8.7168	-8.6567	-8.6116	-8.5361	-8.5218	-8.3028	-8.0055
-7.9954	-7.9266	-7.9207	-7.8294	-7.8285	-7.8258	-7.8133	-7.6917
-7.6515	-7.6307	-7.5710	-7.4909	-7.3827	-7.3482	-7.3166	-6.9821
-6.9519	-6.9171	-6.8123	-6.8074	-6.8047	-6.5459	-6.1801	-6.1318
-5.9530	-5.7555	-5.7481	-5.7310	-5.6839	-5.5311	-5.4864	-5.4856
-5.4529	-5.2975	-5.2732	-5.2725	-5.2672	-5.2248	-5.1961	-5.1930
-5.1239	-5.1151	-5.0384	-5.0323	-5.0276	-4.6094	-3.8470	-3.8119
-3.3337	-2.9875	-2.9814	-2.8836	-1.1553	-0.9203	-0.3854	0.4492

0.4995	0.5041	1.8309	1.8347	1.8877	1.9435	2.0828	2.1682
2.2271	2.3580	2.4261	2.4720	2.5318	2.6004	2.7584	2.7673
2.7846	2.7890	2.8654	2.9643	2.9791	3.1153	3.1199	

k = 0.3175-0.5774 0.0000 (64832 PWs) bands (ev):

-21.3017	-21.2533	-21.0845	-20.8525	-20.8475	-20.8125	-20.1079	-20.0494
-19.7752	-19.3435	-19.2713	-19.2698	-19.1295	-19.0784	-19.0521	-18.9040
-18.8702	-18.3730	-17.9353	-17.9083	-17.8313	-17.8290	-17.7949	-17.7933
-17.7246	-17.7229	-17.4427	-15.2314	-15.2225	-15.1876	-14.4804	-14.4782
-14.4544	-13.9580	-13.8807	-12.5749	-12.3709	-12.3620	-12.2140	-12.2042
-12.0992	-12.0941	-12.0318	-12.0257	-11.9414	-11.9378	-11.8431	-11.2650
-11.2102	-11.1778	-10.9405	-10.6931	-10.4742	-9.9771	-9.7448	-9.6328
-9.6256	-8.9982	-8.9920	-8.9131	-8.8882	-8.8513	-8.8097	-8.7391
-8.7316	-8.7172	-8.6860	-8.6038	-8.5409	-8.5366	-8.3086	-7.9634
-7.9527	-7.9201	-7.9146	-7.8752	-7.8595	-7.7987	-7.7963	-7.6982
-7.6826	-7.6411	-7.5670	-7.5000	-7.3833	-7.3454	-7.3308	-6.9277
-6.9258	-6.9202	-6.8418	-6.8369	-6.8210	-6.5557	-6.1673	-6.1378
-5.8839	-5.7856	-5.7782	-5.7285	-5.6867	-5.5177	-5.4851	-5.4709
-5.4419	-5.2819	-5.2531	-5.2524	-5.2388	-5.2273	-5.1855	-5.1793
-5.1361	-5.1276	-5.0949	-5.0859	-5.0421	-4.6124	-3.8372	-3.8181
-3.3323	-2.9673	-2.9613	-2.9152	-1.0965	-0.9786	-0.3843	0.4643
0.4867	0.4917	1.8323	1.8457	1.8762	1.9423	2.0784	2.1667
2.2246	2.3609	2.4286	2.4860	2.5186	2.5883	2.7743	2.7823
2.8292	2.8702	2.8748	2.9583	2.9732	3.0359	3.0404	

k = 0.3333-0.5774 0.0000 (64770 PWs) bands (ev):

-21.2993	-21.2551	-21.0858	-20.8421	-20.8376	-20.8338	-20.0997	-20.0561
-19.7770	-19.2964	-19.2950	-19.2940	-19.1263	-19.0780	-19.0484	-18.9036
-18.8776	-18.3733	-17.9340	-17.9089	-17.7849	-17.7844	-17.7833	-17.7823
-17.7817	-17.7810	-17.4423	-15.2164	-15.2089	-15.2045	-14.4763	-14.4757
-14.4739	-13.9219	-13.9145	-12.5738	-12.3707	-12.3648	-12.2149	-12.2060
-12.0267	-12.0248	-12.0229	-12.0226	-12.0191	-12.0149	-11.8432	-11.2251
-11.2121	-11.2107	-10.9426	-10.6952	-10.4752	-9.9792	-9.6714	-9.6687
-9.6631	-8.9669	-8.9565	-8.9484	-8.8906	-8.8612	-8.8197	-8.7334
-8.7186	-8.7137	-8.7064	-8.6005	-8.5433	-8.5421	-8.3104	-7.9266
-7.9233	-7.9149	-7.9087	-7.9064	-7.9035	-7.7667	-7.7655	-7.7638
-7.6797	-7.6373	-7.5636	-7.5047	-7.3840	-7.3434	-7.3364	-6.9213
-6.9187	-6.8712	-6.8692	-6.8651	-6.8270	-6.5594	-6.1621	-6.1407
-5.8198	-5.8160	-5.8091	-5.7273	-5.6878	-5.5134	-5.4851	-5.4612
-5.4410	-5.2873	-5.2611	-5.2292	-5.2241	-5.2150	-5.1595	-5.1580
-5.1539	-5.1363	-5.1279	-5.1255	-5.0433	-4.6134	-3.8321	-3.8221
-3.3318	-2.9520	-2.9468	-2.9422	-1.0394	-1.0356	-0.3839	0.4757
0.4794	0.4842	1.8315	1.8587	1.8642	1.9419	2.0771	2.1662
2.2238	2.3619	2.4299	2.4991	2.5044	2.5850	2.7880	2.7942
2.8028	2.9491	2.9517	2.9528	2.9618	2.9659	2.9705	

k = 0.3254-0.5636 0.0000 (64824 PWs) bands (ev):

-21.3021	-21.2528	-21.0846	-20.8625	-20.8278	-20.8222	-20.1067	-20.0509
-19.7750	-19.3194	-19.3184	-19.2468	-19.1297	-19.0793	-19.0513	-18.9015
-18.8723	-18.3730	-17.9351	-17.9085	-17.8433	-17.8415	-17.7711	-17.7693
-17.7362	-17.7345	-17.4427	-15.2279	-15.2106	-15.2025	-14.4972	-14.4591
-14.4571	-13.9640	-13.8745	-12.5749	-12.3711	-12.3621	-12.2139	-12.2041
-12.1071	-12.1046	-12.0155	-12.0086	-11.9492	-11.9451	-11.8431	-11.2571
-11.2280	-11.1679	-10.9402	-10.6935	-10.4743	-9.9771	-9.7071	-9.7012
-9.5951	-9.0299	-8.9266	-8.9183	-8.9044	-8.8668	-8.8039	-8.7438
-8.7378	-8.7000	-8.6939	-8.6044	-8.5401	-8.5367	-8.3087	-7.9758
-7.9579	-7.9098	-7.9041	-7.8721	-7.8656	-7.8338	-7.7310	-7.7290
-7.6821	-7.6415	-7.5692	-7.4985	-7.3823	-7.3443	-7.3324	-6.9260
-6.9202	-6.8979	-6.8946	-6.8233	-6.8121	-6.5551	-6.1667	-6.1384

-5.8533	-5.8457	-5.7502	-5.7290	-5.6865	-5.5177	-5.4848	-5.4771
-5.4352	-5.2799	-5.2549	-5.2507	-5.2351	-5.2257	-5.2169	-5.1418
-5.1372	-5.1176	-5.1041	-5.0978	-5.0421	-4.6125	-3.8367	-3.8187
-3.3323	-2.9766	-2.9369	-2.9303	-1.0991	-0.9760	-0.3843	0.4718
0.4779	0.4930	1.8322	1.8440	1.8782	1.9423	2.0782	2.1668
2.2245	2.3607	2.4273	2.4888	2.5181	2.5874	2.7611	2.8086
2.8163	2.8763	2.8790	2.9448	2.9624	3.0427	3.0471	

k = 0.3175-0.5499 0.0000 (64838 PWs) bands (ev):

-21.3096	-21.2466	-21.0813	-20.8863	-20.8147	-20.8090	-20.1207	-20.0422
-19.7687	-19.3428	-19.3418	-19.1975	-19.1391	-19.0890	-19.0534	-18.8925
-18.8608	-18.3722	-17.9380	-17.9077	-17.9017	-17.8999	-17.7586	-17.7567
-17.6881	-17.6863	-17.4438	-15.2475	-15.2174	-15.2094	-14.5177	-14.4304
-14.4284	-14.0114	-13.8330	-12.5780	-12.3725	-12.3545	-12.2109	-12.1985
-12.1894	-12.1869	-12.0073	-12.0002	-11.8739	-11.8698	-11.8425	-11.3001
-11.2448	-11.1233	-10.9320	-10.6891	-10.4716	-9.9709	-9.7444	-9.7386
-9.5204	-9.1016	-8.9265	-8.8994	-8.8863	-8.8841	-8.7876	-8.7678
-8.7363	-8.6843	-8.6792	-8.6152	-8.5313	-8.5226	-8.3040	-8.0270
-8.0093	-7.9043	-7.9011	-7.8974	-7.8301	-7.8231	-7.6935	-7.6914
-7.6891	-7.6536	-7.5835	-7.4833	-7.3761	-7.3436	-7.3245	-6.9426
-6.9254	-6.9221	-6.9169	-6.8185	-6.7541	-6.5415	-6.1766	-6.1354
-5.8912	-5.8835	-5.7337	-5.6859	-5.6835	-5.5305	-5.5118	-5.4829
-5.4247	-5.3035	-5.2770	-5.2608	-5.2529	-5.2439	-5.2394	-5.1281
-5.1240	-5.0797	-5.0583	-5.0541	-5.0386	-4.6096	-3.8446	-3.8142
-3.3339	-3.0060	-2.9265	-2.9201	-1.1603	-0.9152	-0.3855	0.4703
0.4769	0.5058	1.8252	1.8344	1.8950	1.9437	2.0812	2.1686
2.2268	2.3564	2.4189	2.4850	2.5351	2.5930	2.7296	2.7960
2.7990	2.8279	2.8349	2.9374	2.9552	3.1168	3.1306	

k = 0.3095-0.5361 0.0000 (64836 PWs) bands (ev):

-21.3202	-21.2377	-21.0762	-20.9095	-20.8009	-20.7952	-20.1365	-20.0357
-19.7579	-19.3656	-19.3646	-19.1528	-19.1476	-19.1106	-19.0488	-18.8773
-18.8463	-18.3708	-17.9596	-17.9577	-17.9419	-17.9071	-17.7455	-17.7436
-17.6394	-17.6376	-17.4458	-15.2668	-15.2336	-15.2259	-14.5378	-14.3913
-14.3892	-14.0628	-13.7910	-12.5831	-12.3750	-12.3422	-12.2715	-12.2690
-12.2055	-12.1894	-11.9987	-11.9916	-11.8414	-11.7982	-11.7940	-11.3455
-11.2656	-11.0833	-10.9164	-10.6828	-10.4671	-9.9607	-9.7814	-9.7756
-9.4466	-9.1740	-8.9508	-8.9039	-8.8802	-8.8574	-8.8029	-8.7861
-8.7080	-8.6679	-8.6632	-8.6302	-8.5188	-8.5036	-8.2966	-8.0799
-8.0624	-7.9693	-7.8974	-7.8921	-7.7877	-7.7805	-7.7023	-7.6700
-7.6536	-7.6514	-7.6021	-7.4658	-7.3653	-7.3397	-7.3140	-6.9627
-6.9524	-6.9491	-6.9114	-6.8181	-6.6956	-6.5189	-6.1894	-6.1342
-5.9317	-5.9238	-5.7406	-5.6807	-5.6255	-5.5579	-5.5467	-5.4784
-5.4134	-5.3628	-5.3331	-5.2739	-5.2649	-5.2367	-5.2164	-5.1135
-5.1097	-5.0362	-5.0330	-5.0100	-5.0069	-4.6051	-3.8534	-3.8110
-3.3366	-3.0349	-2.9194	-2.9130	-1.2224	-0.8537	-0.3876	0.4725
0.4795	0.5180	1.8050	1.8378	1.9125	1.9461	2.0856	2.1716
2.2307	2.3471	2.4092	2.4884	2.5526	2.6005	2.6991	2.7184
2.7207	2.8462	2.8531	2.9294	2.9474	3.0867	3.2169	

k = 0.3016-0.5224 0.0000 (64832 PWs) bands (ev):

-21.3326	-21.2272	-21.0697	-20.9321	-20.7865	-20.7808	-20.1528	-20.0324
-19.7430	-19.3879	-19.3868	-19.1693	-19.1384	-19.0973	-19.0408	-18.8584
-18.8299	-18.3690	-18.0171	-18.0151	-17.9465	-17.9072	-17.7318	-17.7299
-17.5902	-17.5884	-17.4486	-15.2857	-15.2575	-15.2503	-14.5574	-14.3437
-14.3414	-14.1176	-13.7485	-12.5898	-12.3788	-12.3536	-12.3511	-12.3255
-12.1978	-12.1773	-11.9898	-11.9827	-11.8395	-11.7221	-11.7179	-11.3922
-11.2898	-11.0504	-10.8914	-10.6754	-10.4609	-9.9467	-9.8180	-9.8123
-9.3736	-9.2465	-8.9765	-8.9242	-8.8754	-8.8313	-8.8311	-8.7923

-8.6714	-8.6508	-8.6476	-8.6464	-8.5044	-8.4823	-8.2872	-8.1345
-8.1171	-8.0369	-7.8917	-7.8863	-7.7452	-7.7379	-7.7252	-7.6851
-7.6228	-7.6114	-7.6091	-7.4508	-7.3514	-7.3314	-7.3009	-6.9840
-6.9787	-6.9754	-6.9036	-6.8228	-6.6365	-6.4887	-6.2045	-6.1351
-5.9747	-5.9666	-5.7490	-5.6799	-5.6033	-5.5749	-5.5724	-5.4701
-5.4237	-5.4011	-5.3800	-5.2958	-5.2869	-5.2120	-5.1871	-5.0979
-5.0943	-5.0255	-4.9917	-4.9609	-4.9584	-4.5989	-3.8627	-3.8094
-3.3406	-3.0630	-2.9156	-2.9093	-1.2854	-0.7916	-0.3905	0.4784
0.4858	0.5296	1.7840	1.8424	1.9306	1.9496	2.0907	2.1758
2.2360	2.3316	2.4039	2.4952	2.5698	2.6072	2.6414	2.6432
2.6724	2.8658	2.8726	2.9210	2.9392	3.0559	3.2489	

k = 0.2936-0.5086 0.0000 (64836 PWs) bands (ev):

-21.3459	-21.2157	-21.0618	-20.9542	-20.7715	-20.7659	-20.1690	-20.0324
-19.7246	-19.4095	-19.4085	-19.1880	-19.1690	-19.0463	-19.0314	-18.8377
-18.8119	-18.3666	-18.0740	-18.0720	-17.9515	-17.9081	-17.7176	-17.7157
-17.5405	-17.5387	-17.4523	-15.3043	-15.2874	-15.2806	-14.5766	-14.2894
-14.2868	-14.1755	-13.7055	-12.5980	-12.4353	-12.4328	-12.3836	-12.3055
-12.1879	-12.1628	-11.9806	-11.9734	-11.8367	-11.6457	-11.6414	-11.4397
-11.3168	-11.0257	-10.8565	-10.6675	-10.4530	-9.9295	-9.8543	-9.8487
-9.3190	-9.3014	-9.0034	-8.9444	-8.8862	-8.8629	-8.8079	-8.7848
-8.6661	-8.6347	-8.6331	-8.6290	-8.4885	-8.4603	-8.2760	-8.1906
-8.1734	-8.1045	-7.8860	-7.8807	-7.7567	-7.7028	-7.6986	-7.6954
-7.6437	-7.5673	-7.5649	-7.4414	-7.3363	-7.3173	-7.2848	-7.0057
-7.0043	-7.0010	-6.8938	-6.8317	-6.5769	-6.4529	-6.2220	-6.1379
-6.0201	-6.0118	-5.7582	-5.6819	-5.6517	-5.6008	-5.5534	-5.4851
-5.4574	-5.3984	-5.3880	-5.3181	-5.3093	-5.1876	-5.1537	-5.0814
-5.0780	-5.0164	-4.9473	-4.9115	-4.9093	-4.5914	-3.8725	-3.8094
-3.3458	-3.0904	-2.9149	-2.9088	-1.3493	-0.7288	-0.3942	0.4878
0.4957	0.5406	1.7624	1.8479	1.9493	1.9542	2.0962	2.1812
2.2429	2.3116	2.4036	2.5020	2.5557	2.5632	2.5968	2.6131
2.6536	2.8861	2.8927	2.9122	2.9305	3.0258	3.2507	

k = 0.2857-0.4949 0.0000 (64842 PWs) bands (ev):

-21.3597	-21.2034	-21.0529	-20.9757	-20.7559	-20.7503	-20.1851	-20.0351
-19.7036	-19.4306	-19.4296	-19.2100	-19.1987	-19.0211	-18.9949	-18.8165
-18.7926	-18.3638	-18.1305	-18.1283	-17.9570	-17.9098	-17.7029	-17.7010
-17.4903	-17.4884	-17.4569	-15.3247	-15.3198	-15.3149	-14.5953	-14.2360
-14.2299	-14.2269	-13.6621	-12.6073	-12.5167	-12.5143	-12.3893	-12.2819
-12.1758	-12.1463	-11.9711	-11.9639	-11.8330	-11.5689	-11.5646	-11.4874
-11.3459	-11.0078	-10.8133	-10.6594	-10.4432	-9.9095	-9.8902	-9.8846
-9.3914	-9.2303	-9.0316	-8.9646	-8.9053	-8.8956	-8.7870	-8.7709
-8.6854	-8.6147	-8.6109	-8.5995	-8.4716	-8.4385	-8.2632	-8.2482
-8.2312	-8.1721	-7.8805	-7.8751	-7.7934	-7.7145	-7.6624	-7.6605
-7.6530	-7.5214	-7.5189	-7.4382	-7.3214	-7.2975	-7.2653	-7.0292
-7.0273	-7.0259	-6.8818	-6.8436	-6.5168	-6.4134	-6.2420	-6.1426
-6.0678	-6.0592	-5.7679	-5.7013	-5.6867	-5.6316	-5.5779	-5.5466
-5.4405	-5.3741	-5.3713	-5.3405	-5.3317	-5.1633	-5.1182	-5.0641
-5.0608	-5.0060	-4.9034	-4.8617	-4.8599	-4.5825	-3.8826	-3.8110
-3.3523	-3.1172	-2.9174	-2.9114	-1.4139	-0.6654	-0.3988	0.5009
0.5091	0.5509	1.7405	1.8541	1.9600	1.9687	2.1018	2.1876
2.2512	2.2899	2.4067	2.4771	2.4830	2.5185	2.5973	2.6148
2.6544	2.9010	2.9079	2.9142	2.9219	2.9964	3.2238	

k = 0.2778-0.4811 0.0000 (64838 PWs) bands (ev):

-21.3738	-21.1904	-21.0431	-20.9966	-20.7397	-20.7341	-20.2008	-20.0400
-19.6809	-19.4511	-19.4501	-19.2400	-19.2217	-19.0103	-18.9429	-18.7955
-18.7718	-18.3606	-18.1864	-18.1842	-17.9627	-17.9125	-17.6876	-17.6856
-17.4625	-17.4396	-17.4377	-15.3603	-15.3539	-15.3384	-14.6136	-14.2988

-14.1665	-14.1632	-13.6182	-12.6175	-12.5980	-12.5956	-12.3956	-12.2553
-12.1618	-12.1283	-11.9614	-11.9541	-11.8282	-11.5348	-11.4918	-11.4875
-11.3767	-10.9945	-10.7646	-10.6515	-10.4314	-9.9257	-9.9202	-9.8872
-9.4636	-9.1601	-9.0607	-8.9846	-8.9280	-8.9271	-8.7684	-8.7559
-8.7050	-8.5956	-8.5923	-8.5666	-8.4537	-8.4173	-8.3072	-8.2904
-8.2491	-8.2395	-7.8750	-7.8695	-7.8333	-7.7358	-7.6763	-7.6184
-7.6108	-7.4740	-7.4714	-7.4402	-7.3074	-7.2738	-7.2426	-7.0535
-7.0501	-7.0487	-6.8678	-6.8572	-6.4563	-6.3716	-6.2648	-6.1488
-6.1178	-6.1089	-5.7778	-5.7515	-5.6938	-5.6640	-5.6261	-5.6079
-5.4199	-5.3631	-5.3595	-5.3543	-5.3209	-5.1389	-5.0817	-5.0461
-5.0428	-4.9947	-4.8603	-4.8119	-4.8103	-4.5724	-3.8931	-3.8143
-3.3602	-3.1432	-2.9230	-2.9171	-1.4794	-0.6014	-0.4041	0.5173
0.5260	0.5606	1.7186	1.8608	1.9670	1.9884	2.1071	2.1947
2.2579	2.2716	2.3986	2.4047	2.4191	2.5216	2.5776	2.6345
2.6670	2.8918	2.9101	2.9305	2.9361	2.9679	3.1793	

k = 0.2698-0.4674 0.0000 (64830 PWs) bands (ev):

-21.3879	-21.1767	-21.0325	-21.0169	-20.7230	-20.7174	-20.2162	-20.0464
-19.6575	-19.4711	-19.4701	-19.2738	-19.2411	-18.9989	-18.8904	-18.7752
-18.7496	-18.3570	-18.2418	-18.2395	-17.9686	-17.9161	-17.6717	-17.6698
-17.4690	-17.3884	-17.3865	-15.4002	-15.3942	-15.3556	-14.6314	-14.3636
-14.1000	-14.0963	-13.5738	-12.6789	-12.6766	-12.6284	-12.4024	-12.2260
-12.1461	-12.1092	-11.9513	-11.9439	-11.8228	-11.5814	-11.4144	-11.4100
-11.4086	-10.9838	-10.7125	-10.6439	-10.4175	-9.9608	-9.9554	-9.8634
-9.5357	-9.0909	-9.0906	-9.0047	-8.9591	-8.9497	-8.7519	-8.7414
-8.7247	-8.5760	-8.5732	-8.5364	-8.4351	-8.3969	-8.3675	-8.3509
-8.3065	-8.2339	-7.8753	-7.8696	-7.8641	-7.7625	-7.6854	-7.5764
-7.5687	-7.4459	-7.4254	-7.4228	-7.2942	-7.2482	-7.2171	-7.0771
-7.0736	-7.0697	-6.8722	-6.8517	-6.3955	-6.3284	-6.2904	-6.1699
-6.1604	-6.1565	-5.8021	-5.7878	-5.7025	-5.6973	-5.6815	-5.6691
-5.3964	-5.3855	-5.3766	-5.3442	-5.2642	-5.1145	-5.0446	-5.0273
-5.0242	-4.9825	-4.8180	-4.7621	-4.7606	-4.5614	-3.9038	-3.8190
-3.3694	-3.1684	-2.9314	-2.9257	-1.5456	-0.5367	-0.4102	0.5369
0.5461	0.5698	1.6967	1.8679	1.9754	2.0087	2.1116	2.2015
2.2451	2.2769	2.3258	2.3291	2.4234	2.5203	2.5635	2.6557
2.6836	2.8811	2.8999	2.9390	2.9531	2.9588	3.1294	

k = 0.2619-0.4536 0.0000 (64842 PWs) bands (ev):

-21.4020	-21.1626	-21.0366	-21.0211	-20.7057	-20.7001	-20.2312	-20.0540
-19.6345	-19.4904	-19.4895	-19.3086	-19.2587	-18.9872	-18.8374	-18.7556
-18.7264	-18.3531	-18.2967	-18.2943	-17.9748	-17.9207	-17.6553	-17.6533
-17.4765	-17.3367	-17.3348	-15.4420	-15.4363	-15.3721	-14.6488	-14.4301
-14.0311	-14.0271	-13.5290	-12.7596	-12.7573	-12.6398	-12.4096	-12.1943
-12.1289	-12.0893	-11.9410	-11.9336	-11.8172	-11.6263	-11.4411	-11.3366
-11.3321	-10.9748	-10.6588	-10.6366	-10.4013	-9.9955	-9.9902	-9.8389
-9.6075	-9.1208	-9.0249	-9.0229	-8.9880	-8.9724	-8.7443	-8.7373
-8.7281	-8.5562	-8.5538	-8.5094	-8.4291	-8.4157	-8.4128	-8.3775
-8.3728	-8.2177	-7.9189	-7.8642	-7.8587	-7.7928	-7.6910	-7.5347
-7.5268	-7.4544	-7.3758	-7.3732	-7.2816	-7.2224	-7.1892	-7.0999
-7.0964	-7.0902	-6.8878	-6.8338	-6.3351	-6.3190	-6.2849	-6.2240
-6.2132	-6.1655	-5.8527	-5.7976	-5.7394	-5.7309	-5.7299	-5.7121
-5.4078	-5.3989	-5.3707	-5.3283	-5.2055	-5.0903	-5.0079	-5.0072
-5.0048	-4.9697	-4.7766	-4.7122	-4.7109	-4.5495	-3.9148	-3.8253
-3.3800	-3.1930	-2.9427	-2.9371	-1.6126	-0.4714	-0.4170	0.5597
0.5692	0.5786	1.6750	1.8750	1.9850	2.0294	2.1146	2.2036
2.2328	2.2504	2.2534	2.2905	2.4329	2.5068	2.5628	2.6777
2.7025	2.8698	2.8888	2.9122	2.9756	2.9808	3.0787	

k = 0.2540-0.4399 0.0000 (64852 PWs) bands (ev):

-21.4160	-21.1479	-21.0558	-21.0091	-20.6877	-20.6822	-20.2459	-20.0624
-19.6131	-19.5092	-19.5083	-19.3437	-19.2740	-18.9750	-18.7838	-18.7367
-18.7025	-18.3511	-18.3488	-18.3487	-17.9812	-17.9261	-17.6383	-17.6363
-17.4850	-17.2845	-17.2826	-15.4851	-15.4796	-15.3881	-14.6656	-14.4979
-13.9604	-13.9559	-13.4837	-12.8400	-12.8377	-12.6516	-12.4170	-12.1604
-12.1104	-12.0690	-11.9304	-11.9229	-11.8131	-11.6677	-11.4736	-11.2586
-11.2540	-10.9668	-10.6311	-10.6028	-10.3826	-10.0298	-10.0245	-9.8146
-9.6791	-9.1506	-9.0456	-9.0144	-8.9947	-8.9561	-8.7637	-8.7245
-8.7162	-8.5385	-8.5335	-8.4919	-8.4858	-8.4759	-8.4364	-8.3956
-8.3593	-8.2005	-7.9638	-7.8590	-7.8534	-7.8255	-7.6942	-7.4932
-7.4852	-7.4647	-7.3256	-7.3230	-7.2692	-7.1975	-7.1592	-7.1220
-7.1184	-7.1102	-6.9038	-6.8142	-6.3505	-6.2894	-6.2801	-6.2528
-6.2421	-6.1757	-5.9033	-5.8071	-5.7981	-5.7905	-5.7637	-5.7219
-5.4302	-5.4211	-5.3433	-5.3118	-5.1467	-5.0662	-4.9877	-4.9847
-4.9698	-4.9566	-4.7361	-4.6625	-4.6613	-4.5368	-3.9260	-3.8330
-3.3921	-3.2168	-2.9567	-2.9512	-1.6802	-0.4244	-0.4054	0.5844
0.5872	0.5959	1.6536	1.8819	1.9959	2.0503	2.1145	2.1745
2.1770	2.1970	2.2357	2.3065	2.4422	2.4890	2.5697	2.7003
2.7229	2.8578	2.8770	2.8858	2.9903	3.0025	3.0368	

k = 0.2460-0.4261 0.0000 (64858 PWs) bands (ev):

-21.4297	-21.1326	-21.0743	-20.9965	-20.6692	-20.6637	-20.2601	-20.0713
-19.5947	-19.5275	-19.5265	-19.3789	-19.2858	-18.9625	-18.7297	-18.7181
-18.6782	-18.4050	-18.4025	-18.3442	-17.9877	-17.9325	-17.6208	-17.6188
-17.4945	-17.2319	-17.2299	-15.5291	-15.5237	-15.4036	-14.6820	-14.5671
-13.8881	-13.8833	-13.4379	-12.9201	-12.9179	-12.6634	-12.4246	-12.1245
-12.0910	-12.0483	-11.9196	-11.9121	-11.8144	-11.7022	-11.5052	-11.1802
-11.1756	-10.9594	-10.6250	-10.5480	-10.3609	-10.0636	-10.0584	-9.7915
-9.7504	-9.1792	-9.0669	-9.0378	-9.0166	-8.8905	-8.7828	-8.7133
-8.7056	-8.5561	-8.5402	-8.5390	-8.5116	-8.4815	-8.4658	-8.3747
-8.3425	-8.1825	-8.0097	-7.8597	-7.8538	-7.8481	-7.6952	-7.4766
-7.4521	-7.4438	-7.2749	-7.2724	-7.2570	-7.1738	-7.1433	-7.1395
-7.1299	-7.1274	-6.9200	-6.7930	-6.3849	-6.3382	-6.3326	-6.2048
-6.2016	-6.1872	-5.9535	-5.8572	-5.8507	-5.8163	-5.7945	-5.7317
-5.4525	-5.4432	-5.3148	-5.2947	-5.0883	-5.0423	-4.9669	-4.9639
-4.9432	-4.9325	-4.6967	-4.6129	-4.6117	-4.5235	-3.9374	-3.8422
-3.4055	-3.2399	-2.9732	-2.9679	-1.7485	-0.4324	-0.3389	0.5937
0.6141	0.6247	1.6326	1.8885	2.0081	2.0706	2.0994	2.1027
2.1117	2.1874	2.2453	2.3243	2.4429	2.4799	2.5792	2.7236
2.7442	2.8451	2.8599	2.8645	2.9599	3.0250	3.0383	

k = 0.2381-0.4124 0.0000 (64854 PWs) bands (ev):

-21.4432	-21.1169	-21.0923	-20.9833	-20.6501	-20.6446	-20.2740	-20.0806
-19.5809	-19.5451	-19.5442	-19.4141	-19.2927	-18.9497	-18.7000	-18.6751
-18.6539	-18.4584	-18.4557	-18.3394	-17.9944	-17.9397	-17.6027	-17.6007
-17.5049	-17.1788	-17.1768	-15.5736	-15.5685	-15.4185	-14.6979	-14.6372
-13.8146	-13.8095	-13.3917	-12.9999	-12.9977	-12.6754	-12.4322	-12.0869
-12.0710	-12.0276	-11.9086	-11.9010	-11.8276	-11.7238	-11.5346	-11.1015
-11.0968	-10.9526	-10.6197	-10.4939	-10.3357	-10.0969	-10.0918	-9.8214
-9.7710	-9.2055	-9.0881	-9.0585	-9.0380	-8.8262	-8.8016	-8.7034
-8.6963	-8.6211	-8.6054	-8.5884	-8.4891	-8.4770	-8.4496	-8.3532
-8.3273	-8.1636	-8.0563	-7.8949	-7.8487	-7.8430	-7.6944	-7.4896
-7.4115	-7.4028	-7.2447	-7.2240	-7.2215	-7.1638	-7.1597	-7.1516
-7.1487	-7.0950	-6.9361	-6.7703	-6.4220	-6.3979	-6.3910	-6.1997
-6.1660	-6.1431	-6.0028	-5.9162	-5.9105	-5.8251	-5.8212	-5.7410
-5.4749	-5.4652	-5.2855	-5.2771	-5.0307	-5.0187	-4.9455	-4.9425
-4.9297	-4.8954	-4.6583	-4.5635	-4.5624	-4.5098	-3.9490	-3.8527
-3.4204	-3.2622	-2.9921	-2.9869	-1.8175	-0.4409	-0.2716	0.6008
0.6452	0.6562	1.6119	1.8948	2.0215	2.0254	2.0282	2.0942
2.1004	2.1832	2.2575	2.3440	2.4281	2.4880	2.5899	2.7472

2.7654 2.8318 2.8346 2.8513 2.9120 3.0258 3.0564

k = 0.2302-0.3987 0.0000 (64836 PWs) bands (ev):

-21.4564	-21.1097	-21.1007	-20.9696	-20.6305	-20.6250	-20.2874	-20.0902
-19.5736	-19.5622	-19.5612	-19.4491	-19.2931	-18.9365	-18.6822	-18.6296
-18.6200	-18.5112	-18.5085	-18.3344	-18.0013	-17.9477	-17.5841	-17.5821
-17.5164	-17.1252	-17.1232	-15.6185	-15.6135	-15.4330	-14.7135	-14.7080
-13.7402	-13.7347	-13.3450	-13.0794	-13.0772	-12.6872	-12.4398	-12.0507
-12.0476	-12.0073	-11.8974	-11.8897	-11.8540	-11.7325	-11.5597	-11.0226
-11.0178	-10.9460	-10.6150	-10.4423	-10.3057	-10.1296	-10.1246	-9.8921
-9.7544	-9.2283	-9.1083	-9.0772	-9.0587	-8.8199	-8.7635	-8.6949
-8.6890	-8.6863	-8.6716	-8.6522	-8.4658	-8.4573	-8.4372	-8.3310
-8.3141	-8.1440	-8.1033	-7.9307	-7.8437	-7.8380	-7.6916	-7.5036
-7.3716	-7.3624	-7.2323	-7.1831	-7.1785	-7.1731	-7.1706	-7.1671
-7.1307	-7.0618	-6.9522	-6.7464	-6.4618	-6.4593	-6.4519	-6.2133
-6.1407	-6.0802	-6.0492	-5.9751	-5.9699	-5.8403	-5.8335	-5.7496
-5.4973	-5.4871	-5.2590	-5.2556	-4.9953	-4.9741	-4.9233	-4.9204
-4.9161	-4.8587	-4.6209	-4.5143	-4.5133	-4.4957	-3.9607	-3.8645
-3.4367	-3.2839	-3.0132	-3.0081	-1.8870	-0.4497	-0.2038	0.6075
0.6787	0.6902	1.5917	1.9004	1.9528	1.9552	2.0360	2.0854
2.1161	2.1837	2.2709	2.3650	2.4083	2.5034	2.6014	2.7693
2.7837	2.8097	2.8182	2.8373	2.8679	2.9926	3.0568	

k = 0.2222-0.3849 0.0000 (64820 PWs) bands (ev):

-21.4693	-21.1265	-21.0840	-20.9554	-20.6102	-20.6047	-20.3004	-20.0999
-19.5787	-19.5777	-19.5738	-19.4835	-19.2863	-18.9230	-18.6646	-18.6055
-18.5644	-18.5634	-18.5607	-18.3291	-18.0083	-17.9565	-17.5650	-17.5629
-17.5289	-17.0712	-17.0691	-15.6637	-15.6588	-15.4470	-14.7799	-14.7282
-13.6650	-13.6592	-13.2978	-13.1584	-13.1563	-12.6988	-12.4474	-12.0306
-12.0069	-11.9892	-11.8860	-11.8858	-11.8782	-11.7370	-11.5772	-10.9434
-10.9398	-10.9385	-10.6110	-10.3949	-10.2695	-10.1619	-10.1570	-9.9626
-9.7432	-9.2468	-9.1263	-9.0945	-9.0788	-8.8377	-8.7545	-8.7394
-8.7190	-8.7025	-8.6858	-8.6805	-8.4417	-8.4346	-8.4286	-8.3081
-8.3035	-8.1505	-8.1237	-7.9667	-7.8389	-7.8331	-7.6870	-7.5182
-7.3334	-7.3231	-7.2198	-7.2007	-7.1953	-7.1850	-7.1224	-7.1201
-7.1113	-7.0284	-6.9680	-6.7216	-6.5223	-6.5146	-6.5038	-6.2279
-6.1394	-6.0839	-6.0337	-6.0289	-6.0168	-5.8469	-5.8417	-5.7573
-5.5199	-5.5088	-5.2404	-5.2256	-4.9722	-4.9186	-4.9026	-4.9005
-4.8976	-4.8223	-4.5846	-4.4813	-4.4655	-4.4644	-3.9726	-3.8776
-3.4544	-3.3048	-3.0363	-3.0314	-1.9572	-0.4589	-0.1354	0.6137
0.7144	0.7264	1.5720	1.8809	1.8832	1.9053	2.0499	2.0702
2.1379	2.1874	2.2848	2.3816	2.3937	2.5214	2.6137	2.7678
2.7875	2.7969	2.8083	2.8223	2.8468	2.9576	3.0339	

k = 0.2143-0.3712 0.0000 (64816 PWs) bands (ev):

-21.4818	-21.1428	-21.0668	-20.9407	-20.5894	-20.5839	-20.3130	-20.1097
-19.5946	-19.5937	-19.5817	-19.5169	-19.2724	-18.9092	-18.6474	-18.6153
-18.6125	-18.5816	-18.5081	-18.3237	-18.0154	-17.9661	-17.5452	-17.5431
-17.5423	-17.0168	-17.0146	-15.7089	-15.7042	-15.4604	-14.8522	-14.7426
-13.5892	-13.5831	-13.2502	-13.2371	-13.2350	-12.7102	-12.4549	-12.0118
-11.9795	-11.9648	-11.9112	-11.8744	-11.8665	-11.7451	-11.5838	-10.9339
-10.8639	-10.8589	-10.6076	-10.3528	-10.2260	-10.1936	-10.1888	-10.0327
-9.7388	-9.2609	-9.1406	-9.1105	-9.0983	-8.8551	-8.8223	-8.8073
-8.7854	-8.6815	-8.6747	-8.6403	-8.4240	-8.4169	-8.4104	-8.2965
-8.2846	-8.1968	-8.1027	-8.0025	-7.8341	-7.8283	-7.6805	-7.5334
-7.2993	-7.2874	-7.2144	-7.2076	-7.2072	-7.2022	-7.0932	-7.0721
-7.0699	-6.9949	-6.9837	-6.6963	-6.5867	-6.5789	-6.5478	-6.2435
-6.1725	-6.1001	-6.0919	-6.0874	-5.9533	-5.8498	-5.8371	-5.7640
-5.5425	-5.5302	-5.2212	-5.1954	-4.9494	-4.8893	-4.8775	-4.8744

-4.8636	-4.7864	-4.5493	-4.4667	-4.4170	-4.4160	-3.9846	-3.8918
-3.4735	-3.3250	-3.0614	-3.0566	-2.0278	-0.4684	-0.0663	0.6194
0.7522	0.7646	1.5528	1.8100	1.8121	1.9096	2.0457	2.0730
2.1598	2.1929	2.2986	2.3657	2.4136	2.5410	2.6270	2.7294
2.7672	2.7856	2.8058	2.8270	2.8558	2.9281	3.0113	

k = 0.2063-0.3574 0.0000 (64820 PWs) bands (ev):

-21.4939	-21.1584	-21.0491	-20.9255	-20.5679	-20.5625	-20.3251	-20.1194
-19.6099	-19.6090	-19.5972	-19.5483	-19.2526	-18.8950	-18.6666	-18.6636
-18.6305	-18.5581	-18.4515	-18.3181	-18.0226	-17.9764	-17.5567	-17.5250
-17.5228	-16.9619	-16.9597	-15.7541	-15.7495	-15.4734	-14.9249	-14.7565
-13.5130	-13.5065	-13.3154	-13.3134	-13.2020	-12.7212	-12.4623	-12.0047
-11.9828	-11.9215	-11.9143	-11.8627	-11.8547	-11.7584	-11.5789	-10.9282
-10.7841	-10.7791	-10.6049	-10.3158	-10.2248	-10.2200	-10.1759	-10.1025
-9.7416	-9.2717	-9.1492	-9.1256	-9.1171	-8.8909	-8.8762	-8.8719
-8.8522	-8.6757	-8.6693	-8.5821	-8.4233	-8.3913	-8.3853	-8.2970
-8.2604	-8.2386	-8.0810	-8.0376	-7.8295	-7.8236	-7.6724	-7.5490
-7.2777	-7.2665	-7.2189	-7.2129	-7.2068	-7.1945	-7.0764	-7.0224
-7.0203	-6.9990	-6.9614	-6.6713	-6.6525	-6.6446	-6.5927	-6.2600
-6.2184	-6.1498	-6.1455	-6.1183	-5.8899	-5.8580	-5.8121	-5.7696
-5.5653	-5.5511	-5.2016	-5.1652	-4.9268	-4.8762	-4.8533	-4.8503
-4.8107	-4.7511	-4.5152	-4.4522	-4.3691	-4.3680	-3.9967	-3.9071
-3.4941	-3.3444	-3.0882	-3.0835	-2.0990	-0.4779	0.0034	0.6248
0.7918	0.8046	1.5342	1.7402	1.7422	1.9131	2.0282	2.0901
2.1816	2.1993	2.3112	2.3475	2.4383	2.5616	2.6413	2.6829
2.7450	2.7694	2.7901	2.8409	2.8715	2.9153	2.9895	

k = 0.1984-0.3437 0.0000 (64802 PWs) bands (ev):

-21.5057	-21.1734	-21.0310	-20.9100	-20.5459	-20.5405	-20.3368	-20.1291
-19.6247	-19.6238	-19.6198	-19.5770	-19.2281	-18.8806	-18.7173	-18.7143
-18.6138	-18.5349	-18.3943	-18.3125	-18.0300	-17.9874	-17.5721	-17.5042
-17.5020	-16.9065	-16.9043	-15.7992	-15.7948	-15.4859	-14.9981	-14.7699
-13.4365	-13.4295	-13.3932	-13.3912	-13.1535	-12.7317	-12.4695	-12.0323
-11.9699	-11.9031	-11.8770	-11.8509	-11.8428	-11.7728	-11.5649	-10.9228
-10.7041	-10.6990	-10.6029	-10.2824	-10.2553	-10.2507	-10.1720	-10.1210
-9.7514	-9.2816	-9.1497	-9.1396	-9.1351	-8.9603	-8.9459	-8.9190
-8.8882	-8.6708	-8.6647	-8.5252	-8.4267	-8.3649	-8.3593	-8.3178
-8.2633	-8.2356	-8.0711	-8.0588	-7.8250	-7.8191	-7.6628	-7.5649
-7.2773	-7.2708	-7.2350	-7.1861	-7.1840	-7.1817	-7.0611	-7.0140
-6.9734	-6.9714	-6.9283	-6.7197	-6.7117	-6.6572	-6.6279	-6.2774
-6.2670	-6.2072	-6.2031	-6.1443	-5.8663	-5.8277	-5.7764	-5.7740
-5.5883	-5.5706	-5.1816	-5.1353	-4.9044	-4.8634	-4.8286	-4.8257
-4.7589	-4.7164	-4.4822	-4.4376	-4.3216	-4.3206	-4.0090	-3.9235
-3.5160	-3.3632	-3.1166	-3.1120	-2.1706	-0.4876	0.0737	0.6297
0.8331	0.8463	1.5161	1.6716	1.6736	1.9159	2.0098	2.1090
2.2026	2.2068	2.3175	2.3358	2.4636	2.5829	2.6345	2.6583
2.7234	2.7523	2.7731	2.8310	2.8937	2.9280	2.9687	

k = 0.1905-0.3299 0.0000 (64806 PWs) bands (ev):

-21.5171	-21.1879	-21.0124	-20.8940	-20.5233	-20.5180	-20.3481	-20.1388
-19.6480	-19.6389	-19.6380	-19.6031	-19.2004	-18.8659	-18.7675	-18.7644
-18.5975	-18.5123	-18.3366	-18.3067	-18.0374	-17.9991	-17.5884	-17.4828
-17.4806	-16.8508	-16.8485	-15.8441	-15.8398	-15.4980	-15.0715	-14.7828
-13.4709	-13.4688	-13.3593	-13.3523	-13.1044	-12.7417	-12.4766	-12.0685
-11.9564	-11.8926	-11.8391	-11.8317	-11.8305	-11.7807	-11.5447	-10.9176
-10.6239	-10.6187	-10.6018	-10.2854	-10.2807	-10.2509	-10.2409	-10.0629
-9.7673	-9.2927	-9.1532	-9.1525	-9.1405	-9.0303	-9.0161	-8.9858
-8.9039	-8.6667	-8.6607	-8.4697	-8.4343	-8.3583	-8.3379	-8.3324
-8.2722	-8.2101	-8.1018	-8.0359	-7.8206	-7.8147	-7.6519	-7.5811

-7.2879	-7.2839	-7.2505	-7.1690	-7.1511	-7.1485	-7.0473	-7.0287
-6.9253	-6.9235	-6.8955	-6.7880	-6.7800	-6.6945	-6.6125	-6.3162
-6.2954	-6.2642	-6.2601	-6.1756	-5.8749	-5.7771	-5.7685	-5.7341
-5.6115	-5.5867	-5.1611	-5.1057	-4.8823	-4.8509	-4.8034	-4.8004
-4.7086	-4.6823	-4.4504	-4.4232	-4.2748	-4.2737	-4.0213	-3.9409
-3.5393	-3.3811	-3.1464	-3.1420	-2.2427	-0.4973	0.1446	0.6344
0.8758	0.8895	1.4986	1.6044	1.6062	1.9181	1.9916	2.1287
2.2119	2.2250	2.3077	2.3402	2.4868	2.5905	2.6051	2.6750
2.7029	2.7342	2.7552	2.8112	2.9210	2.9455	2.9559	

k = 0.1825-0.3162 0.0000 (64790 PWs) bands (ev):

-21.5280	-21.2018	-20.9933	-20.8776	-20.5002	-20.4948	-20.3590	-20.1483
-19.6795	-19.6525	-19.6516	-19.6278	-19.1703	-18.8509	-18.8171	-18.8140
-18.5815	-18.4901	-18.3010	-18.2784	-18.0450	-18.0113	-17.6057	-17.4609
-17.4587	-16.7947	-16.7924	-15.8889	-15.8846	-15.5095	-15.1452	-14.7952
-13.5478	-13.5459	-13.2823	-13.2749	-13.0550	-12.7511	-12.4835	-12.1059
-11.9514	-11.8856	-11.8272	-11.8189	-11.7848	-11.7755	-11.5208	-10.9126
-10.6016	-10.5435	-10.5381	-10.3173	-10.3113	-10.3057	-10.2205	-10.0031
-9.7876	-9.3057	-9.1692	-9.1653	-9.1227	-9.1009	-9.0870	-9.0525
-8.9191	-8.6631	-8.6573	-8.4477	-8.4160	-8.4022	-8.3101	-8.3048
-8.2813	-8.1840	-8.1278	-8.0124	-7.8164	-7.8104	-7.6401	-7.5973
-7.3016	-7.2985	-7.2653	-7.1566	-7.1138	-7.1101	-7.0431	-7.0353
-6.8783	-6.8767	-6.8638	-6.8574	-6.8493	-6.7414	-6.5875	-6.3655
-6.3207	-6.3167	-6.3139	-6.2102	-5.8839	-5.7791	-5.7196	-5.6878
-5.6349	-5.5923	-5.1401	-5.0766	-4.8605	-4.8388	-4.7775	-4.7746
-4.6597	-4.6490	-4.4197	-4.4091	-4.2286	-4.2275	-4.0338	-3.9592
-3.5640	-3.3984	-3.1776	-3.1733	-2.3152	-0.5068	0.2162	0.6386
0.9199	0.9340	1.4818	1.5385	1.5403	1.9196	1.9738	2.1486
2.2169	2.2457	2.2954	2.3474	2.4961	2.5628	2.6268	2.6810
2.6960	2.7155	2.7365	2.7928	2.9271	2.9522	2.9820	

k = 0.1746-0.3024 0.0000 (64760 PWs) bands (ev):

-21.5385	-21.2150	-20.9738	-20.8608	-20.4764	-20.4711	-20.3693	-20.1578
-19.7126	-19.6655	-19.6647	-19.6521	-19.1385	-18.8663	-18.8631	-18.8356
-18.5658	-18.4685	-18.2952	-18.2196	-18.0527	-18.0241	-17.6238	-17.4384
-17.4362	-16.7382	-16.7358	-15.9334	-15.9292	-15.5205	-15.2190	-14.8070
-13.6244	-13.6225	-13.2052	-13.1975	-13.0050	-12.7598	-12.4902	-12.1431
-11.9615	-11.8748	-11.8153	-11.8069	-11.7581	-11.7373	-11.4943	-10.9079
-10.6026	-10.4629	-10.4574	-10.3797	-10.3420	-10.3379	-10.1904	-9.9432
-9.8100	-9.3204	-9.1852	-9.1765	-9.1718	-9.1582	-9.1191	-9.0975
-8.9336	-8.6601	-8.6543	-8.4730	-8.4390	-8.3640	-8.2962	-8.2816
-8.2765	-8.1572	-8.1475	-7.9884	-7.8123	-7.8062	-7.6279	-7.6134
-7.3159	-7.3132	-7.2796	-7.1450	-7.0754	-7.0712	-7.0571	-7.0255
-6.9280	-6.9199	-6.8363	-6.8324	-6.8310	-6.7844	-6.5624	-6.4147
-6.3766	-6.3725	-6.3326	-6.2466	-5.8934	-5.7799	-5.6972	-5.6586
-5.6392	-5.5714	-5.1187	-5.0481	-4.8389	-4.8270	-4.7510	-4.7481
-4.6165	-4.6124	-4.3953	-4.3902	-4.1832	-4.1821	-4.0464	-3.9783
-3.5900	-3.4149	-3.2099	-3.2057	-2.3880	-0.5163	0.2883	0.6426
0.9651	0.9797	1.4655	1.4742	1.4759	1.9206	1.9566	2.1682
2.2186	2.2658	2.2871	2.3521	2.4711	2.5714	2.6489	2.6630
2.6948	2.7150	2.7192	2.7794	2.9091	2.9829	3.0120	

k = 0.1667-0.2887 0.0000 (64766 PWs) bands (ev):

-21.5486	-21.2277	-20.9539	-20.8437	-20.4521	-20.4468	-20.3793	-20.1671
-19.7464	-19.6780	-19.6771	-19.6766	-19.1055	-18.9149	-18.9116	-18.8201
-18.5504	-18.4475	-18.2894	-18.1604	-18.0606	-18.0373	-17.6428	-17.4154
-17.4132	-16.6814	-16.6789	-15.9776	-15.9735	-15.5310	-15.2928	-14.8184
-13.7004	-13.6986	-13.1281	-13.1201	-12.9546	-12.7678	-12.4967	-12.1794
-11.9837	-11.8580	-11.8035	-11.7949	-11.7334	-11.6889	-11.4663	-10.9035

-10.6048	-10.4476	-10.3822	-10.3768	-10.3694	-10.3656	-10.1604	-9.8888
-9.8282	-9.3361	-9.2432	-9.2300	-9.2004	-9.1865	-9.1854	-9.0668
-8.9476	-8.6575	-8.6519	-8.5144	-8.4631	-8.3181	-8.3139	-8.2524
-8.2474	-8.1603	-8.1299	-7.9639	-7.8083	-7.8023	-7.6311	-7.6136
-7.3301	-7.3276	-7.2933	-7.1351	-7.0708	-7.0369	-7.0322	-7.0188
-6.9995	-6.9913	-6.8451	-6.7889	-6.7879	-6.7869	-6.5383	-6.4638
-6.4319	-6.4276	-6.3512	-6.2842	-5.9033	-5.7796	-5.7025	-5.6826
-5.5889	-5.5225	-5.0969	-5.0201	-4.8175	-4.8157	-4.7239	-4.7210
-4.5849	-4.5667	-4.3818	-4.3619	-4.1387	-4.1376	-4.0591	-3.9983
-3.6173	-3.4307	-3.2433	-3.2392	-2.4612	-0.5255	0.3610	0.6463
1.0113	1.0263	1.4114	1.4131	1.4500	1.9209	1.9401	2.1856
2.2158	2.2837	2.2862	2.3529	2.4332	2.5963	2.6457	2.6705
2.6749	2.6960	2.7404	2.7722	2.8915	3.0151	3.0435	

k = 0.1587-0.2749 0.0000 (64760 PWs) bands (ev):

-21.5583	-21.2398	-20.9335	-20.8262	-20.4272	-20.4219	-20.3888	-20.1764
-19.7805	-19.7011	-19.6899	-19.6890	-19.0716	-18.9629	-18.9595	-18.8044
-18.5354	-18.4272	-18.2837	-18.1007	-18.0686	-18.0509	-17.6626	-17.3919
-17.3896	-16.6242	-16.6217	-16.0214	-16.0175	-15.5411	-15.3668	-14.8293
-13.7759	-13.7741	-13.0512	-13.0429	-12.9038	-12.7751	-12.5029	-12.2147
-12.0119	-11.8376	-11.7918	-11.7831	-11.7049	-11.6397	-11.4373	-10.8994
-10.6085	-10.5153	-10.3967	-10.3927	-10.3009	-10.2951	-10.1303	-9.8778
-9.8035	-9.3521	-9.3149	-9.3019	-9.2519	-9.2147	-9.1953	-9.0321
-8.9609	-8.6554	-8.6498	-8.5616	-8.4842	-8.3460	-8.2655	-8.2225
-8.2176	-8.1674	-8.1019	-7.9388	-7.8045	-7.7984	-7.6475	-7.6007
-7.3440	-7.3415	-7.3063	-7.1290	-7.0841	-7.0721	-7.0639	-7.0168
-6.9980	-6.9932	-6.8799	-6.7614	-6.7451	-6.7447	-6.5161	-6.5125
-6.4864	-6.4817	-6.3689	-6.3223	-5.9138	-5.7785	-5.7194	-5.7068
-5.5376	-5.4619	-5.0747	-4.9929	-4.8048	-4.7963	-4.6963	-4.6934
-4.5543	-4.5227	-4.3688	-4.3348	-4.0951	-4.0939	-4.0719	-4.0188
-3.6459	-3.4458	-3.2776	-3.2736	-2.5348	-0.5344	0.4343	0.6497
1.0584	1.0738	1.3504	1.3520	1.4350	1.9203	1.9247	2.1965
2.2116	2.2880	2.3039	2.3464	2.3999	2.6193	2.6354	2.6524
2.6742	2.6944	2.7625	2.7743	2.8748	3.0482	3.0759	

k = 0.1508-0.2612 0.0000 (64762 PWs) bands (ev):

-21.5675	-21.2514	-20.9126	-20.8084	-20.4017	-20.3978	-20.3965	-20.1856
-19.8147	-19.7256	-19.7012	-19.7003	-19.0372	-19.0104	-19.0070	-18.7884
-18.5208	-18.4075	-18.2781	-18.0770	-18.0646	-18.0405	-17.6832	-17.3678
-17.3655	-16.5667	-16.5642	-16.0649	-16.0610	-15.5506	-15.4407	-14.8396
-13.8508	-13.8491	-12.9745	-12.9658	-12.8524	-12.7816	-12.5089	-12.2488
-12.0428	-11.8152	-11.7802	-11.7714	-11.6742	-11.5897	-11.4078	-10.8957
-10.6139	-10.5828	-10.4225	-10.4187	-10.2198	-10.2138	-10.1001	-9.8994
-9.7460	-9.3867	-9.3740	-9.3682	-9.3180	-9.2284	-9.2026	-8.9946
-8.9737	-8.6535	-8.6481	-8.6100	-8.5061	-8.3780	-8.2192	-8.1919
-8.1871	-8.1708	-8.0733	-7.9133	-7.8009	-7.7947	-7.6642	-7.5875
-7.3575	-7.3550	-7.3187	-7.1453	-7.1371	-7.1313	-7.0972	-7.0201
-6.9595	-6.9545	-6.9059	-6.7311	-6.7053	-6.7044	-6.5610	-6.5395
-6.5340	-6.4974	-6.3841	-6.3606	-5.9248	-5.7765	-5.7405	-5.7314
-5.4856	-5.3970	-5.0521	-4.9665	-4.7944	-4.7754	-4.6680	-4.6652
-4.5246	-4.4804	-4.3564	-4.3090	-4.0850	-4.0525	-4.0514	-4.0399
-3.6758	-3.4601	-3.3128	-3.3088	-2.6086	-0.5430	0.5082	0.6528
1.1061	1.1220	1.2912	1.2927	1.4207	1.9085	1.9206	2.1918
2.2145	2.2953	2.3213	2.3239	2.3854	2.6104	2.6297	2.6518
2.6594	2.7177	2.7732	2.7954	2.8594	3.0823	3.1093	

k = 0.1429-0.2474 0.0000 (64722 PWs) bands (ev):

-21.5762	-21.2623	-20.8913	-20.7903	-20.4064	-20.3756	-20.3704	-20.1947
-19.8488	-19.7501	-19.7119	-19.7110	-19.0574	-19.0539	-19.0023	-18.7722

-18.5065	-18.3886	-18.2727	-18.0865	-18.0777	-17.9798	-17.7045	-17.3431
-17.3408	-16.5090	-16.5064	-16.1081	-16.1043	-15.5597	-15.5146	-14.8494
-13.9252	-13.9235	-12.8981	-12.8891	-12.8007	-12.7872	-12.5147	-12.2816
-12.0748	-11.7913	-11.7689	-11.7600	-11.6424	-11.5389	-11.3782	-10.8923
-10.6499	-10.6212	-10.4473	-10.4436	-10.1386	-10.1322	-10.0698	-9.9239
-9.6852	-9.4585	-9.4462	-9.3839	-9.3839	-9.2413	-9.2081	-8.9858
-8.9553	-8.6585	-8.6520	-8.6466	-8.5293	-8.4123	-8.1748	-8.1719
-8.1606	-8.1558	-8.0441	-7.8873	-7.7974	-7.7912	-7.6812	-7.5745
-7.3706	-7.3681	-7.3305	-7.2191	-7.2108	-7.1487	-7.1099	-7.0238
-6.9212	-6.9184	-6.9161	-6.7007	-6.6727	-6.6687	-6.6092	-6.5885
-6.5805	-6.4855	-6.3989	-6.3937	-5.9362	-5.7738	-5.7636	-5.7562
-5.4331	-5.3301	-5.0292	-4.9409	-4.7845	-4.7547	-4.6392	-4.6364
-4.4961	-4.4398	-4.3446	-4.2844	-4.0983	-4.0613	-4.0112	-4.0100
-3.7068	-3.4738	-3.3486	-3.3448	-2.6827	-0.5511	0.5827	0.6556
1.1545	1.1707	1.2340	1.2354	1.4071	1.8941	1.9195	2.1807
2.2142	2.2900	2.3048	2.3377	2.3890	2.5964	2.6061	2.6283
2.6902	2.7420	2.7844	2.8204	2.8478	3.1172	3.1434	

k = 0.1349-0.2337 0.0000 (64734 PWs) bands (ev):

-21.5845	-21.2726	-20.8696	-20.7719	-20.4146	-20.3490	-20.3438	-20.2038
-19.8828	-19.7743	-19.7220	-19.7212	-19.1038	-19.1002	-18.9673	-18.7558
-18.4925	-18.3705	-18.2674	-18.0985	-18.0886	-17.9186	-17.7266	-17.3180
-17.3156	-16.4510	-16.4483	-16.1508	-16.1471	-15.5884	-15.5683	-14.8587
-13.9988	-13.9973	-12.8223	-12.8129	-12.7920	-12.7484	-12.5202	-12.3129
-12.1072	-11.7662	-11.7580	-11.7489	-11.6098	-11.4874	-11.3488	-10.8893
-10.7166	-10.6307	-10.4710	-10.4675	-10.0572	-10.0505	-10.0396	-9.9473
-9.6246	-9.5303	-9.5183	-9.4496	-9.3992	-9.2534	-9.2116	-8.9972
-8.9148	-8.7066	-8.6507	-8.6454	-8.5537	-8.4480	-8.1718	-8.1327
-8.1283	-8.1239	-8.0142	-7.8609	-7.7941	-7.7879	-7.6984	-7.5619
-7.3839	-7.3812	-7.3416	-7.2931	-7.2847	-7.1836	-7.1224	-7.0218
-6.9211	-6.8834	-6.8783	-6.6708	-6.6707	-6.6644	-6.6570	-6.6069
-6.5972	-6.4844	-6.4368	-6.3934	-5.9482	-5.7878	-5.7815	-5.7705
-5.3804	-5.2620	-5.0059	-4.9163	-4.7750	-4.7343	-4.6099	-4.6070
-4.4686	-4.4011	-4.3335	-4.2610	-4.1121	-4.0827	-3.9710	-3.9698
-3.7391	-3.4866	-3.3851	-3.3814	-2.7571	-0.5589	0.6577	0.6584
1.1788	1.1802	1.2033	1.2200	1.3942	1.8804	1.9181	2.1685
2.2047	2.2558	2.3154	2.3529	2.4027	2.5814	2.5828	2.6038
2.7215	2.7673	2.7996	2.8248	2.8602	3.1530	3.1781	

k = 0.1270-0.2199 0.0000 (64750 PWs) bands (ev):

-21.5924	-21.2824	-20.8475	-20.7533	-20.4222	-20.3218	-20.3166	-20.2129
-19.9166	-19.7981	-19.7316	-19.7307	-19.1496	-19.1460	-18.9322	-18.7392
-18.4789	-18.3533	-18.2623	-18.1125	-18.0978	-17.8570	-17.7492	-17.2922
-17.2899	-16.3929	-16.3901	-16.1932	-16.1895	-15.6621	-15.5764	-14.8675
-14.0718	-14.0703	-12.7959	-12.7470	-12.7373	-12.6957	-12.5254	-12.3427
-12.1395	-11.7475	-11.7400	-11.7382	-11.5769	-11.4353	-11.3199	-10.8867
-10.7830	-10.6423	-10.4936	-10.4901	-10.0108	-9.9758	-9.9687	-9.9673
-9.6019	-9.5903	-9.5656	-9.5151	-9.4138	-9.2647	-9.2124	-9.0081
-8.8740	-8.7537	-8.6497	-8.6444	-8.5787	-8.4843	-8.1711	-8.0964
-8.0920	-8.0911	-7.9838	-7.8342	-7.7910	-7.7847	-7.7158	-7.5497
-7.4012	-7.3971	-7.3638	-7.3551	-7.3522	-7.2305	-7.1347	-7.0142
-6.9189	-6.8465	-6.8414	-6.7100	-6.7067	-6.7045	-6.6411	-6.5791
-6.5734	-6.4938	-6.4743	-6.3838	-5.9607	-5.8127	-5.8071	-5.7667
-5.3274	-5.1930	-4.9822	-4.8927	-4.7661	-4.7141	-4.5799	-4.5771
-4.4424	-4.3643	-4.3231	-4.2389	-4.1268	-4.1036	-3.9323	-3.9311
-3.7725	-3.4988	-3.4221	-3.4185	-2.8317	-0.5662	0.6606	0.7334
1.1258	1.1272	1.2524	1.2694	1.3820	1.8674	1.9163	2.1560
2.1848	2.2262	2.3267	2.3669	2.4233	2.5557	2.5698	2.5783
2.7528	2.7923	2.8105	2.8239	2.8900	3.1895	3.2135	

k = 0.1190-0.2062 0.0000 (64710 PWs) bands (ev):

-21.5997	-21.2915	-20.8250	-20.7344	-20.4294	-20.2940	-20.2889	-20.2220
-19.9502	-19.8215	-19.7406	-19.7397	-19.1949	-19.1913	-18.8971	-18.7225
-18.4657	-18.3370	-18.2575	-18.1274	-18.1062	-17.7948	-17.7724	-17.2660
-17.2636	-16.3347	-16.3318	-16.2351	-16.2315	-15.7357	-15.5840	-14.8757
-14.1440	-14.1426	-12.7989	-12.6725	-12.6624	-12.6424	-12.5304	-12.3710
-12.1713	-11.7375	-11.7280	-11.7129	-11.5439	-11.3825	-11.2919	-10.8845
-10.8491	-10.6563	-10.5148	-10.5115	-9.9987	-9.9683	-9.8945	-9.8867
-9.6731	-9.6618	-9.5804	-9.5095	-9.4275	-9.2751	-9.2098	-9.0183
-8.8338	-8.7994	-8.6488	-8.6436	-8.6038	-8.5207	-8.1701	-8.0629
-8.0581	-8.0538	-7.9528	-7.8070	-7.7880	-7.7817	-7.7335	-7.5382
-7.4528	-7.4462	-7.3983	-7.3941	-7.3621	-7.2842	-7.1468	-7.0034
-6.9145	-6.8135	-6.8091	-6.7543	-6.7520	-6.7515	-6.6121	-6.5459
-6.5417	-6.5112	-6.5090	-6.3693	-5.9738	-5.8384	-5.8331	-5.7625
-5.2745	-5.1235	-4.9583	-4.8701	-4.7577	-4.6942	-4.5495	-4.5466
-4.4176	-4.3294	-4.3137	-4.2181	-4.1434	-4.1229	-3.8951	-3.8938
-3.8069	-3.5103	-3.4596	-3.4560	-2.9064	-0.5730	0.6628	0.8096
1.0751	1.0764	1.3017	1.3191	1.3705	1.8551	1.9142	2.1426
2.1581	2.2019	2.3384	2.3797	2.4485	2.5291	2.5517	2.5576
2.7838	2.7956	2.8253	2.8446	2.9224	3.2268	3.2494	

k = 0.1111-0.1925 0.0000 (64778 PWs) bands (ev):

-21.6067	-21.3001	-20.8021	-20.7153	-20.4362	-20.2656	-20.2605	-20.2312
-19.9836	-19.8444	-19.7490	-19.7482	-19.2397	-19.2360	-18.8622	-18.7057
-18.4529	-18.3217	-18.2531	-18.1424	-18.1145	-17.7962	-17.7322	-17.2392
-17.2367	-16.2785	-16.2750	-16.2740	-16.2721	-15.8091	-15.5911	-14.8834
-14.2154	-14.2140	-12.8010	-12.5993	-12.5892	-12.5874	-12.5351	-12.3976
-12.2025	-11.7282	-11.7185	-11.6848	-11.5111	-11.3290	-11.2649	-10.9147
-10.8829	-10.6726	-10.5345	-10.5314	-10.0117	-9.9413	-9.8133	-9.8046
-9.7437	-9.7329	-9.6455	-9.4595	-9.4391	-9.2844	-9.2026	-9.0279
-8.8441	-8.7946	-8.6481	-8.6430	-8.6275	-8.5566	-8.1692	-8.0288
-8.0242	-8.0179	-7.9213	-7.7852	-7.7796	-7.7789	-7.7516	-7.5274
-7.5271	-7.5198	-7.4108	-7.4079	-7.3714	-7.3416	-7.1588	-6.9911
-6.9092	-6.8213	-6.8187	-6.7982	-6.7603	-6.7555	-6.5841	-6.5473
-6.5264	-6.5134	-6.5100	-6.3532	-5.9874	-5.8646	-5.8595	-5.7580
-5.2215	-5.0533	-4.9340	-4.8488	-4.7498	-4.6745	-4.5185	-4.5156
-4.3941	-4.3054	-4.2966	-4.1986	-4.1623	-4.1397	-3.8595	-3.8581
-3.8425	-3.5212	-3.4973	-3.4938	-2.9813	-0.5793	0.6648	0.8864
1.0269	1.0281	1.3511	1.3597	1.3689	1.8437	1.9117	2.1205
2.1373	2.1802	2.3502	2.3913	2.4767	2.5014	2.5241	2.5463
2.7848	2.8143	2.8542	2.8697	2.9563	3.2476	3.2649	

k = 0.1032-0.1787 0.0000 (64728 PWs) bands (ev):

-21.6131	-21.3081	-20.7788	-20.6961	-20.4425	-20.2405	-20.2366	-20.2316
-20.0166	-19.8664	-19.7568	-19.7560	-19.2839	-19.2801	-18.8275	-18.6887
-18.4406	-18.3074	-18.2492	-18.1572	-18.1226	-17.8203	-17.6691	-17.2118
-17.2094	-16.3177	-16.3142	-16.2181	-16.2151	-15.8823	-15.5977	-14.8906
-14.2858	-14.2845	-12.8023	-12.5395	-12.5360	-12.5250	-12.5152	-12.4224
-12.2327	-11.7197	-11.7098	-11.6559	-11.4787	-11.2750	-11.2394	-10.9800
-10.8817	-10.6911	-10.5526	-10.5497	-10.0258	-9.9105	-9.8137	-9.8033
-9.7324	-9.7224	-9.7103	-9.4543	-9.4118	-9.2926	-9.1897	-9.0368
-8.8846	-8.7620	-8.6476	-8.6467	-8.6424	-8.5911	-8.1684	-7.9942
-7.9896	-7.9842	-7.8891	-7.7825	-7.7762	-7.7702	-7.7518	-7.6040
-7.5965	-7.5174	-7.4209	-7.4183	-7.4010	-7.3800	-7.1707	-6.9782
-6.9036	-6.8678	-6.8649	-6.8444	-6.7278	-6.7225	-6.5825	-6.5613
-6.5399	-6.4825	-6.4796	-6.3370	-6.0015	-5.8912	-5.8863	-5.7533
-5.1687	-4.9827	-4.9095	-4.8286	-4.7425	-4.6552	-4.4869	-4.4840
-4.3722	-4.2986	-4.2658	-4.1827	-4.1804	-4.1545	-3.8790	-3.8255
-3.8242	-3.5368	-3.5333	-3.5285	-3.0563	-0.5851	0.6666	0.9637

0.9813	0.9825	1.3496	1.4005	1.4187	1.8330	1.9089	2.0901
2.1252	2.1595	2.3620	2.4017	2.4727	2.4955	2.5069	2.5358
2.7738	2.8445	2.8853	2.8966	2.9912	3.1573	3.3033	

k = 0.0952-0.1650 0.0000 (64778 PWs) bands (ev):

-21.6191	-21.3155	-20.7551	-20.6767	-20.4483	-20.2501	-20.2071	-20.2021
-20.0494	-19.8876	-19.7641	-19.7632	-19.3276	-19.3237	-18.7933	-18.6718
-18.4287	-18.2945	-18.2459	-18.1715	-18.1307	-17.8447	-17.6056	-17.1840
-17.1815	-16.3583	-16.3549	-16.1601	-16.1569	-15.9552	-15.6039	-14.8973
-14.3551	-14.3540	-12.8027	-12.5437	-12.4810	-12.4540	-12.4456	-12.4434
-12.2620	-11.7122	-11.7021	-11.6261	-11.4470	-11.2203	-11.2156	-11.0449
-10.8810	-10.7115	-10.5690	-10.5662	-10.0378	-9.8828	-9.8791	-9.8727
-9.7748	-9.6523	-9.6401	-9.4651	-9.3767	-9.2993	-9.1716	-9.0450
-8.9196	-8.7446	-8.6559	-8.6471	-8.6420	-8.6198	-8.1680	-7.9591
-7.9545	-7.9526	-7.8564	-7.7890	-7.7801	-7.7738	-7.7239	-7.6817
-7.6741	-7.5091	-7.4609	-7.4299	-7.4274	-7.3881	-7.1827	-6.9650
-6.9174	-6.9144	-6.8981	-6.8902	-6.6921	-6.6867	-6.6164	-6.5691
-6.5238	-6.4534	-6.4509	-6.3214	-6.0161	-5.9184	-5.9135	-5.7485
-5.1161	-4.9116	-4.8848	-4.8097	-4.7357	-4.6362	-4.4549	-4.4520
-4.3521	-4.2938	-4.2370	-4.2028	-4.1682	-4.1635	-3.9164	-3.7935
-3.7921	-3.5743	-3.5709	-3.5396	-3.1315	-0.5904	0.6683	0.9382
0.9394	1.0416	1.3402	1.4498	1.4684	1.8230	1.9057	2.0597
2.1149	2.1397	2.3736	2.4110	2.4430	2.4659	2.5247	2.5398
2.7633	2.8743	2.9181	2.9246	3.0271	3.0672	3.3419	

k = 0.0873-0.1512 0.0000 (64776 PWs) bands (ev):

-21.6246	-21.3223	-20.7310	-20.6573	-20.4537	-20.2599	-20.1770	-20.1720
-20.0818	-19.9078	-19.7708	-19.7699	-19.3707	-19.3668	-18.7596	-18.6548
-18.4172	-18.2834	-18.2435	-18.1846	-18.1387	-17.8693	-17.5415	-17.1555
-17.1530	-16.3985	-16.3951	-16.1024	-16.0992	-16.0279	-15.6095	-14.9034
-14.4233	-14.4222	-12.8023	-12.5476	-12.4669	-12.4260	-12.3842	-12.3732
-12.2901	-11.7059	-11.6956	-11.5956	-11.4161	-11.1939	-11.1651	-11.1095
-10.8809	-10.7335	-10.5834	-10.5807	-10.0474	-9.9507	-9.9411	-9.8473
-9.8391	-9.5737	-9.5577	-9.4753	-9.3507	-9.3036	-9.1534	-9.0527
-8.9434	-8.7498	-8.6720	-8.6468	-8.6417	-8.6179	-8.1682	-7.9249
-7.9223	-7.9189	-7.8231	-7.8084	-7.7780	-7.7717	-7.7597	-7.7520
-7.6959	-7.5275	-7.4955	-7.4381	-7.4356	-7.3954	-7.1949	-6.9671
-6.9640	-6.9520	-6.9354	-6.8929	-6.6559	-6.6505	-6.6491	-6.5869
-6.4977	-6.4263	-6.4241	-6.3066	-6.0313	-5.9459	-5.9411	-5.7437
-5.0638	-4.8598	-4.8401	-4.7921	-4.7294	-4.6176	-4.4223	-4.4194
-4.3344	-4.2921	-4.2206	-4.2104	-4.1812	-4.1479	-3.9546	-3.7635
-3.7620	-3.6128	-3.6094	-3.5482	-3.2067	-0.5951	0.6697	0.8981
0.8993	1.1201	1.3316	1.4989	1.5178	1.8139	1.9022	2.0306
2.1057	2.1209	2.3849	2.4122	2.4193	2.4352	2.5161	2.5719
2.7535	2.9038	2.9521	2.9532	2.9776	3.0638	3.3792	

k = 0.0794-0.1375 0.0000 (64782 PWs) bands (ev):

-21.6296	-21.3285	-20.7066	-20.6378	-20.4586	-20.2700	-20.1463	-20.1414
-20.1139	-19.9269	-19.7768	-19.7760	-19.4133	-19.4093	-18.7266	-18.6378
-18.4064	-18.2749	-18.2419	-18.1953	-18.1465	-17.8939	-17.4771	-17.1266
-17.1240	-16.4381	-16.4348	-16.1007	-16.0451	-16.0417	-15.6147	-14.9090
-14.4899	-14.4890	-12.8012	-12.5512	-12.4863	-12.3706	-12.3169	-12.3160
-12.3046	-11.7011	-11.6904	-11.5644	-11.3864	-11.1748	-11.1736	-11.1094
-10.8813	-10.7567	-10.5955	-10.5930	-10.0548	-10.0171	-10.0080	-9.9031
-9.8154	-9.4986	-9.4845	-9.4753	-9.3325	-9.3036	-9.1456	-9.0596
-8.9474	-8.7678	-8.7011	-8.6465	-8.6415	-8.5887	-8.1690	-7.8975
-7.8889	-7.8849	-7.8358	-7.8291	-7.8282	-7.7894	-7.7757	-7.7693
-7.6678	-7.5872	-7.4896	-7.4455	-7.4430	-7.4022	-7.2073	-7.0166
-7.0134	-6.9802	-6.9393	-6.8879	-6.6802	-6.6199	-6.6145	-6.6050

-6.4714	-6.4014	-6.3994	-6.2930	-6.0470	-5.9739	-5.9691	-5.7389
-5.0120	-4.8347	-4.7759	-4.7683	-4.7237	-4.5995	-4.3892	-4.3863
-4.3217	-4.2935	-4.2335	-4.1934	-4.1859	-4.1336	-3.9935	-3.7356
-3.7340	-3.6514	-3.6481	-3.5560	-3.2820	-0.5994	0.6710	0.8609
0.8620	1.1991	1.3237	1.5478	1.5670	1.8056	1.8985	2.0035
2.0972	2.1036	2.3804	2.3958	2.4034	2.4266	2.5078	2.6048
2.7444	2.8883	2.9328	2.9811	2.9880	3.1013	3.4081	

k = 0.0714-0.1237 0.0000 (64788 PWs) bands (ev):

-21.6342	-21.3341	-20.6819	-20.6184	-20.4630	-20.2806	-20.1455	-20.1151
-20.1102	-19.9446	-19.7824	-19.7815	-19.4553	-19.4512	-18.6945	-18.6209
-18.3961	-18.2715	-18.2398	-18.2027	-18.1542	-17.9184	-17.4121	-17.0971
-17.0945	-16.4774	-16.4741	-16.1728	-15.9888	-15.9853	-15.6193	-14.9141
-14.5549	-14.5541	-12.7994	-12.5545	-12.5039	-12.3422	-12.3148	-12.2498
-12.2382	-11.6979	-11.6870	-11.5326	-11.3581	-11.2373	-11.1588	-11.0532
-10.8821	-10.7802	-10.6052	-10.6027	-10.0819	-10.0733	-10.0601	-9.9668
-9.7834	-9.4927	-9.4330	-9.3928	-9.3198	-9.2933	-9.1556	-9.0659
-8.9273	-8.7894	-8.7304	-8.6463	-8.6413	-8.5531	-8.1709	-7.9224
-7.9147	-7.8730	-7.8484	-7.8451	-7.8411	-7.7739	-7.7674	-7.7551
-7.6482	-7.6396	-7.4828	-7.4522	-7.4498	-7.4083	-7.2202	-7.0656
-7.0624	-7.0244	-6.9272	-6.8834	-6.7094	-6.6225	-6.5841	-6.5787
-6.4454	-6.3786	-6.3769	-6.2805	-6.0632	-6.0024	-5.9976	-5.7343
-4.9607	-4.8095	-4.7611	-4.7185	-4.6961	-4.5819	-4.3557	-4.3528
-4.3229	-4.2904	-4.2401	-4.2046	-4.1637	-4.1207	-4.0329	-3.7101
-3.7084	-3.6899	-3.6867	-3.5630	-3.3573	-0.6032	0.6722	0.8268
0.8279	1.2786	1.3166	1.5963	1.6158	1.7980	1.8945	1.9785
2.0875	2.0898	2.3476	2.3706	2.4061	2.4330	2.5003	2.6377
2.7361	2.7995	2.9616	3.0087	3.0249	3.1395	3.4189	

k = 0.0635-0.1100 0.0000 (64768 PWs) bands (ev):

-21.6383	-21.3391	-20.6570	-20.5992	-20.4670	-20.2915	-20.1767	-20.0832
-20.0784	-19.9609	-19.7873	-19.7865	-19.4967	-19.4926	-18.6635	-18.6043
-18.3865	-18.2751	-18.2356	-18.2063	-18.1617	-17.9424	-17.3467	-17.0671
-17.0645	-16.5161	-16.5128	-16.2447	-15.9337	-15.9299	-15.6235	-14.9186
-14.6179	-14.6171	-12.7971	-12.5576	-12.5194	-12.3658	-12.2586	-12.1860
-12.1740	-11.6967	-11.6855	-11.5002	-11.3314	-11.3007	-11.1465	-10.9964
-10.8835	-10.8035	-10.6121	-10.6097	-10.1447	-10.1365	-10.0638	-10.0303
-9.7513	-9.4999	-9.3903	-9.3111	-9.3103	-9.2594	-9.1785	-9.0716
-8.8923	-8.8110	-8.7554	-8.6461	-8.6412	-8.5164	-8.1743	-8.0008
-7.9930	-7.8689	-7.8512	-7.8088	-7.8047	-7.7722	-7.7657	-7.7204
-7.7083	-7.6116	-7.4765	-7.4582	-7.4557	-7.4138	-7.2335	-7.1141
-7.1108	-7.0680	-6.9156	-6.8792	-6.7366	-6.6391	-6.5486	-6.5433
-6.4198	-6.3581	-6.3566	-6.2694	-6.0800	-6.0313	-6.0264	-5.7299
-4.9103	-4.7843	-4.7477	-4.7138	-4.6236	-4.5649	-4.3383	-4.3217
-4.3188	-4.2815	-4.2424	-4.2141	-4.1437	-4.1091	-4.0726	-3.7291
-3.7258	-3.6862	-3.6847	-3.5692	-3.4326	-0.6064	0.6732	0.7958
0.7970	1.3101	1.3586	1.6444	1.6642	1.7913	1.8903	1.9558
2.0736	2.0828	2.3137	2.3367	2.4157	2.4385	2.4935	2.6701
2.7111	2.7286	2.9899	3.0352	3.0631	3.1782	3.4159	

k = 0.0556-0.0962 0.0000 (64757 PWs) bands (ev):

-21.6419	-21.3435	-20.6319	-20.5803	-20.4705	-20.3028	-20.2074	-20.0508
-20.0461	-19.9756	-19.7916	-19.7908	-19.5376	-19.5335	-18.6340	-18.5880
-18.3778	-18.2842	-18.2297	-18.2073	-18.1689	-17.9658	-17.2809	-17.0366
-17.0339	-16.5543	-16.5511	-16.3163	-15.8801	-15.8762	-15.6272	-14.9226
-14.6783	-14.6776	-12.7943	-12.5605	-12.5330	-12.3876	-12.2020	-12.1248
-12.1126	-11.6978	-11.6863	-11.4675	-11.3636	-11.3066	-11.1387	-10.9392
-10.8852	-10.8254	-10.6158	-10.6135	-10.2050	-10.1974	-10.0934	-10.0660
-9.7192	-9.5060	-9.3735	-9.3063	-9.2278	-9.2059	-9.1989	-9.0765

-8.8612	-8.8300	-8.7665	-8.6460	-8.6411	-8.4801	-8.1796	-8.0808
-8.0729	-7.8896	-7.8318	-7.7717	-7.7698	-7.7668	-7.7666	-7.7637
-7.6852	-7.5839	-7.4709	-7.4634	-7.4610	-7.4186	-7.2475	-7.1621
-7.1588	-7.1110	-6.9048	-6.8755	-6.7615	-6.6546	-6.5135	-6.5081
-6.3947	-6.3398	-6.3385	-6.2595	-6.0972	-6.0606	-6.0557	-5.7259
-4.8608	-4.7591	-4.7358	-4.7097	-4.5507	-4.5487	-4.3589	-4.2873
-4.2843	-4.2744	-4.2424	-4.2213	-4.1260	-4.1122	-4.0988	-3.7677
-3.7645	-3.6654	-3.6638	-3.5748	-3.5079	-0.6093	0.6741	0.7683
0.7694	1.3045	1.4392	1.6920	1.7121	1.7853	1.8861	1.9354
2.0614	2.0768	2.2788	2.3018	2.4245	2.4433	2.4875	2.6232
2.7015	2.7219	3.0177	3.0601	3.1024	3.2172	3.4075	

k = 0.0476-0.0825 0.0000 (64769 PWs) bands (ev):

-21.6450	-21.3474	-20.6067	-20.5618	-20.4734	-20.3145	-20.2374	-20.0179
-20.0131	-19.9885	-19.7954	-19.7946	-19.5779	-19.5737	-18.6064	-18.5723
-18.3699	-18.2958	-18.2234	-18.2067	-18.1756	-17.9881	-17.2146	-17.0055
-17.0028	-16.5921	-16.5889	-16.3876	-15.8290	-15.8248	-15.6304	-14.9261
-14.7355	-14.7348	-12.7914	-12.5632	-12.5445	-12.4074	-12.1449	-12.0667
-12.0542	-11.7016	-11.6898	-11.4345	-11.4261	-11.2841	-11.1360	-10.8871
-10.8814	-10.8452	-10.6162	-10.6138	-10.2626	-10.2554	-10.1562	-10.0672
-9.6871	-9.5111	-9.3689	-9.3080	-9.2304	-9.1452	-9.1256	-9.0809
-8.8611	-8.8441	-8.7428	-8.6459	-8.6410	-8.4454	-8.1878	-8.1613
-8.1534	-7.9102	-7.8221	-7.8150	-7.7695	-7.7630	-7.7312	-7.7271
-7.6497	-7.5567	-7.4680	-7.4660	-7.4656	-7.4229	-7.2622	-7.2096
-7.2061	-7.1531	-6.8949	-6.8723	-6.7838	-6.6687	-6.4786	-6.4733
-6.3701	-6.3240	-6.3228	-6.2510	-6.1151	-6.0903	-6.0854	-5.7222
-4.8126	-4.7341	-4.7254	-4.7062	-4.5335	-4.4776	-4.3813	-4.2730
-4.2524	-4.2494	-4.2400	-4.2259	-4.1508	-4.1105	-4.0899	-3.8064
-3.8032	-3.6471	-3.6455	-3.5831	-3.5796	-0.6117	0.6748	0.7441
0.7453	1.2995	1.5203	1.7390	1.7594	1.7801	1.8819	1.9176
2.0510	2.0715	2.2428	2.2658	2.4324	2.4473	2.4823	2.5358
2.7160	2.7313	3.0447	3.0830	3.1428	3.2563	3.3974	

k = 0.0397-0.0687 0.0000 (64791 PWs) bands (ev):

-21.6477	-21.3506	-20.5817	-20.5441	-20.4759	-20.3264	-20.2665	-19.9997
-19.9843	-19.9796	-19.7986	-19.7978	-19.6177	-19.6134	-18.5810	-18.5573
-18.3632	-18.3083	-18.2175	-18.2055	-18.1818	-18.0089	-17.1479	-16.9739
-16.9712	-16.6293	-16.6262	-16.4586	-15.7811	-15.7767	-15.6331	-14.9291
-14.7885	-14.7878	-12.7883	-12.5656	-12.5539	-12.4248	-12.0874	-12.0120
-11.9993	-11.7084	-11.6964	-11.4883	-11.4014	-11.2641	-11.1390	-10.8892
-10.8620	-10.8233	-10.6127	-10.6101	-10.3169	-10.3103	-10.2187	-10.0675
-9.6552	-9.5152	-9.3683	-9.3212	-9.2448	-9.0845	-9.0627	-9.0475
-8.8758	-8.8614	-8.6941	-8.6459	-8.6410	-8.4131	-8.2423	-8.2342
-8.2002	-7.9303	-7.8727	-7.8008	-7.7684	-7.7619	-7.6913	-7.6873
-7.6141	-7.5302	-7.4719	-7.4694	-7.4619	-7.4265	-7.2776	-7.2564
-7.2529	-7.1944	-6.8861	-6.8696	-6.8032	-6.6812	-6.4441	-6.4389
-6.3461	-6.3104	-6.3095	-6.2437	-6.1334	-6.1204	-6.1155	-5.7190
-4.7663	-4.7165	-4.7095	-4.7032	-4.5195	-4.4042	-4.4042	-4.2772
-4.2369	-4.2294	-4.2170	-4.2140	-4.1855	-4.0974	-4.0824	-3.8449
-3.8418	-3.6591	-3.6311	-3.6293	-3.5836	-0.6137	0.6754	0.7235
0.7247	1.2954	1.6018	1.7758	1.7855	1.8061	1.8779	1.9024
2.0424	2.0671	2.2059	2.2288	2.4393	2.4488	2.4506	2.4778
2.7110	2.7589	3.0708	3.1035	3.1841	3.2946	3.3872	

k = 0.0317-0.0550 0.0000 (64763 PWs) bands (ev):

-21.6498	-21.3533	-20.5570	-20.5275	-20.4778	-20.3382	-20.2946	-20.0089
-19.9502	-19.9456	-19.8012	-19.8004	-19.6569	-19.6526	-18.5585	-18.5436
-18.3576	-18.3206	-18.2123	-18.2041	-18.1872	-18.0275	-17.0808	-16.9417
-16.9390	-16.6661	-16.6630	-16.5292	-15.7377	-15.7330	-15.6353	-14.9315

-14.8362	-14.8354	-12.7854	-12.5678	-12.5613	-12.4397	-12.0294	-11.9611
-11.9483	-11.7188	-11.7065	-11.5499	-11.3685	-11.2471	-11.1480	-10.8913
-10.8752	-10.7646	-10.6050	-10.6023	-10.3677	-10.3616	-10.2808	-10.0674
-9.6234	-9.5185	-9.3690	-9.3458	-9.2483	-9.0875	-8.9802	-8.9675
-8.8902	-8.8796	-8.6458	-8.6410	-8.6384	-8.3838	-8.3235	-8.3154
-8.2183	-7.9493	-7.9164	-7.7891	-7.7675	-7.7610	-7.6507	-7.6467
-7.5784	-7.5048	-7.4750	-7.4726	-7.4586	-7.4296	-7.3027	-7.2991
-7.2937	-7.2343	-6.8784	-6.8674	-6.8195	-6.6920	-6.4100	-6.4048
-6.3226	-6.2993	-6.2985	-6.2378	-6.1523	-6.1510	-6.1460	-5.7163
-4.7228	-4.7093	-4.7007	-4.6857	-4.5069	-4.4266	-4.3305	-4.2840
-4.2495	-4.2271	-4.2073	-4.1813	-4.1783	-4.0867	-4.0762	-3.8832
-3.8802	-3.7339	-3.6182	-3.6166	-3.5869	-0.6153	0.6759	0.7065
0.7077	1.2920	1.6837	1.7722	1.8313	1.8520	1.8744	1.8899
2.0355	2.0634	2.1680	2.1908	2.3624	2.4450	2.4534	2.4742
2.7069	2.7833	3.0953	3.1210	3.2263	3.3309	3.3778	

k = 0.0238-0.0412 0.0000 (64741 PWs) bands (ev):

-21.6515	-21.3554	-20.5335	-20.5127	-20.4791	-20.3493	-20.3208	-20.0161
-19.9156	-19.9109	-19.8032	-19.8024	-19.6955	-19.6912	-18.5397	-18.5315
-18.3534	-18.3316	-18.2080	-18.2028	-18.1917	-18.0433	-17.0132	-16.9091
-16.9063	-16.7023	-16.6993	-16.5995	-15.7005	-15.6955	-15.6370	-14.9333
-14.8768	-14.8758	-12.7828	-12.5698	-12.5668	-12.4516	-11.9711	-11.9144
-11.9015	-11.7330	-11.7204	-11.6112	-11.3362	-11.2334	-11.1626	-10.8931
-10.8847	-10.7056	-10.5927	-10.5898	-10.4143	-10.4088	-10.3426	-10.0671
-9.5922	-9.5209	-9.3753	-9.3700	-9.2468	-9.0899	-8.9022	-8.8977
-8.8956	-8.8865	-8.6458	-8.6410	-8.5817	-8.4050	-8.3967	-8.3589
-8.2433	-7.9664	-7.9510	-7.7800	-7.7667	-7.7603	-7.6094	-7.6055
-7.5433	-7.4812	-7.4775	-7.4750	-7.4560	-7.4322	-7.3483	-7.3447
-7.3101	-7.2723	-6.8721	-6.8656	-6.8324	-6.7007	-6.3763	-6.3711
-6.2996	-6.2906	-6.2900	-6.2332	-6.1820	-6.1770	-6.1716	-5.7142
-4.7036	-4.6988	-4.6836	-4.6634	-4.4964	-4.4474	-4.2918	-4.2768
-4.2567	-4.2224	-4.2137	-4.1453	-4.1421	-4.0784	-4.0713	-3.9214
-3.9184	-3.8089	-3.6081	-3.6064	-3.5895	-0.6165	0.6763	0.6932
0.6944	1.2893	1.7660	1.7695	1.8715	1.8764	1.8801	1.8972
2.0303	2.0606	2.1291	2.1519	2.2766	2.4496	2.4555	2.4713
2.7037	2.8036	3.1176	3.1350	3.2690	3.3621	3.3697	

k = 0.0159-0.0275 0.0000 (64687 PWs) bands (ev):

-21.6527	-21.3568	-20.5125	-20.5008	-20.4794	-20.3589	-20.3441	-20.0213
-19.8803	-19.8757	-19.8047	-19.8039	-19.7336	-19.7292	-18.5254	-18.5218
-18.3505	-18.3405	-18.2045	-18.2017	-18.1952	-18.0556	-16.9453	-16.8759
-16.8731	-16.7380	-16.7351	-16.6694	-15.6715	-15.6663	-15.6382	-14.9347
-14.9083	-14.9070	-12.7808	-12.5714	-12.5704	-12.4604	-11.9125	-11.8722
-11.8593	-11.7514	-11.7386	-11.6720	-11.3052	-11.2233	-11.1816	-10.8945
-10.8909	-10.6461	-10.5757	-10.5724	-10.4565	-10.4515	-10.4040	-10.0666
-9.5622	-9.5225	-9.4054	-9.3709	-9.2441	-9.0915	-8.9110	-8.9079
-8.8154	-8.8052	-8.6458	-8.6410	-8.5276	-8.4867	-8.4782	-8.3395
-8.2745	-7.9803	-7.9751	-7.7735	-7.7662	-7.7597	-7.5675	-7.5637
-7.5098	-7.4792	-7.4768	-7.4607	-7.4541	-7.4346	-7.3934	-7.3897
-7.3259	-7.3067	-6.8674	-6.8644	-6.8417	-6.7072	-6.3429	-6.3378
-6.2844	-6.2839	-6.2772	-6.2299	-6.2133	-6.2083	-6.1914	-5.7126
-4.6996	-4.6974	-4.6513	-4.6436	-4.4884	-4.4652	-4.3084	-4.2947
-4.2186	-4.2151	-4.1826	-4.1089	-4.1056	-4.0724	-4.0678	-3.9593
-3.9565	-3.8838	-3.6008	-3.5991	-3.5913	-0.6173	0.6765	0.6837
0.6850	1.2874	1.7675	1.8482	1.8693	1.8731	1.9209	1.9415
2.0267	2.0586	2.0894	2.1120	2.1916	2.4528	2.4571	2.4693
2.7013	2.8191	3.1362	3.1453	3.3121	3.3636	3.3772	

k = 0.0079-0.0137 0.0000 (64667 PWs) bands (ev):

```

-21.6535 -21.3577 -20.4969 -20.4933 -20.4783 -20.3657 -20.3615 -20.0244
-19.8445 -19.8400 -19.8055 -19.8047 -19.7711 -19.7666 -18.5164 -18.5155
-18.3489 -18.3465 -18.2020 -18.2010 -18.1977 -18.0633 -16.8769 -16.8422
-16.8394 -16.7733 -16.7704 -16.7389 -15.6529 -15.6476 -15.6389 -14.9355
-14.9285 -14.9270 -12.7795 -12.5725 -12.5724 -12.4658 -11.8538 -11.8346
-11.8221 -11.7742 -11.7612 -11.7321 -11.2776 -11.2171 -11.2024 -10.8954
-10.8944 -10.5862 -10.5536 -10.5499 -10.4939 -10.4894 -10.4649 -10.0663
-9.5363 -9.5235 -9.4318 -9.3716 -9.2420 -9.0925 -8.9165 -8.9157
-8.7331 -8.7236 -8.6458 -8.6410 -8.5685 -8.5597 -8.4822 -8.3271
-8.3065 -7.9898 -7.9888 -7.7695 -7.7659 -7.7594 -7.5250 -7.5213
-7.4809 -7.4802 -7.4778 -7.4530 -7.4462 -7.4379 -7.4377 -7.4340
-7.3387 -7.3334 -6.8644 -6.8636 -6.8474 -6.7113 -6.3100 -6.3049
-6.2806 -6.2802 -6.2556 -6.2451 -6.2400 -6.2280 -6.2115 -5.7116
-4.6971 -4.6966 -4.6298 -4.6286 -4.4833 -4.4774 -4.3286 -4.2995
-4.2163 -4.2154 -4.1085 -4.0732 -4.0695 -4.0676 -4.0650 -3.9970
-3.9943 -3.9584 -3.5964 -3.5948 -3.5923 -0.6178 0.6764 0.6780
0.6795 1.2863 1.7663 1.8679 1.8689 1.9282 1.9656 1.9846
2.0245 2.0493 2.0574 2.0716 2.1081 2.4548 2.4581 2.4680
2.6999 2.8288 3.1490 3.1516 3.3548 3.3598 3.3636

```

k = 0.0000 0.0000 0.0000 (64705 PWs) bands (ev):

```

-21.6537 -21.3580 -20.4912 -20.4910 -20.4770 -20.3684 -20.3681 -20.0254
-19.8092 -19.8085 -19.8074 -19.8038 -19.8030 -19.8023 -18.5133 -18.5132
-18.3486 -18.3483 -18.2008 -18.2006 -18.1990 -18.0660 -16.8097 -16.8087
-16.8078 -16.8076 -16.8052 -16.8036 -15.6465 -15.6411 -15.6391 -14.9359
-14.9354 -14.9338 -12.7791 -12.5730 -12.5729 -12.4676 -11.8089 -11.8021
-11.7951 -11.7927 -11.7870 -11.7828 -11.2630 -11.2150 -11.2147 -10.8957
-10.8955 -10.5293 -10.5275 -10.5253 -10.5245 -10.5220 -10.5202 -10.0662
-9.5240 -9.5238 -9.4443 -9.3718 -9.2412 -9.0929 -8.9184 -8.9183
-8.6549 -8.6492 -8.6452 -8.6442 -8.6435 -8.6346 -8.4617 -8.3228
-8.3227 -7.9933 -7.9931 -7.7682 -7.7658 -7.7593 -7.4848 -7.4830
-7.4795 -7.4783 -7.4777 -7.4748 -7.4663 -7.4526 -7.4411 -7.4409
-7.3443 -7.3440 -6.8634 -6.8634 -6.8493 -6.7126 -6.2800 -6.2795
-6.2777 -6.2776 -6.2719 -6.2709 -6.2391 -6.2275 -6.2273 -5.7113
-4.6964 -4.6963 -4.6226 -4.6226 -4.4819 -4.4816 -4.3364 -4.3010
-4.2156 -4.2154 -4.0682 -4.0655 -4.0387 -4.0374 -4.0347 -4.0314
-4.0300 -4.0267 -3.5951 -3.5934 -3.5924 -0.6180 0.6758 0.6761
0.6781 1.2859 1.7659 1.8674 1.8675 1.9807 2.0054 2.0225
2.0237 2.0238 2.0337 2.0426 2.0570 2.4554 2.4585 2.4676
2.6994 2.8321 3.1536 3.1537 3.3583 3.3587 3.3939

```

Writing output data file A.save

```

init_run      :      24.03s CPU      24.33s WALL (      1 calls)
electrons     : 93598.95s CPU 94185.11s WALL (      1 calls)

```

Called by init_run:

```

wfcinit      :      0.00s CPU      0.00s WALL (      1 calls)
potinit      :      2.76s CPU      2.88s WALL (      1 calls)

```

Called by electrons:

```

c_bands      : 93598.88s CPU 94184.86s WALL (      1 calls)
v_of_rho     :      2.12s CPU      2.16s WALL (      1 calls)
v_h          :      0.06s CPU      0.06s WALL (      1 calls)
v_xc         :      2.06s CPU      2.10s WALL (      1 calls)
newd         :     10.58s CPU     10.60s WALL (      1 calls)

```

Called by c_bands:

```

init_us_2    :      8.60s CPU      9.38s WALL (     200 calls)
cegterg      : 87998.23s CPU 88548.92s WALL (     713 calls)

```

Called by sum_band:

Called by *egterg:

h_psi	:	37447.84s	CPU	37643.09s	WALL (	13102	calls)
s_psi	:	12447.47s	CPU	12482.48s	WALL (	13102	calls)
g_psi	:	41.92s	CPU	42.55s	WALL (	12189	calls)
cdiaghg	:	7478.14s	CPU	7502.05s	WALL (	12389	calls)
cegterg:over	:	13880.23s	CPU	13938.59s	WALL (	12189	calls)
cegterg:upda	:	10299.55s	CPU	10379.41s	WALL (	12189	calls)
cegterg:last	:	8781.48s	CPU	8825.10s	WALL (	1313	calls)
cdiaghg:chol	:	482.80s	CPU	485.35s	WALL (	12389	calls)
cdiaghg:inve	:	47.10s	CPU	47.57s	WALL (	12389	calls)
cdiaghg:para	:	2467.41s	CPU	2475.32s	WALL (	24778	calls)

Called by h_psi:

h_psi:vloc	:	12836.70s	CPU	12919.05s	WALL (	13102	calls)
h_psi:vn1	:	24567.24s	CPU	24672.83s	WALL (	13102	calls)
add_vuspsi	:	12510.66s	CPU	12549.58s	WALL (	13102	calls)

General routines

calbec	:	12056.39s	CPU	12123.14s	WALL (	13102	calls)
fft	:	1.28s	CPU	1.30s	WALL (	23	calls)
ffts	:	0.02s	CPU	0.02s	WALL (	2	calls)
fftw	:	9853.93s	CPU	9906.84s	WALL (	1165564	calls)
interpolate	:	0.10s	CPU	0.10s	WALL (	2	calls)
davcio	:	2.45s	CPU	58.01s	WALL (200	calls)

Parallel routines

fft_scatter	:	3806.23s	CPU	3833.43s	WALL (1165589	calls)
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PWSCF	:	1d	2h 0m	CPU	1d	2h11m	WALL
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This run was terminated on: 23:32:35 16Feb2021

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JOB DONE.
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```