

hw7_gen4

np =
20n =
60n0 =
6r =
54u =
6c =
60

xyzt =

1921.8	726.42	591.72
1900.9	710.91	513.92
1981.7	722.3	594.19
1916.8	713.28	534.13
1937.1	748.77	548.13
1894.5	727.97	562.49
1884.1	737.68	587.2
1974.5	743.46	573.27
1953.7	758.52	583.77
1934.4	737.78	514.21
1909.8	740.96	579.2
1921.2	723.9	603.46
1900.8	699.6	576.08
1965.6	748.58	517.63
1971.5	740.57	539.16
1893.2	693.93	597.76
1946.1	733.84	564.51
1879.5	733.88	526.25
1906.1	721.64	570.36
1937.6	722.85	572.78

ans =

588.23	2041.7	126.29
510.43	2017.2	117.65
590.7	2097.7	104.65
530.64	2033	115.23
544.64	2062.9	143.12
559	2016.1	135.85
583.71	2009	148.2
569.78	2097.1	126.99
580.28	2081.7	147.53
510.72	2057.1	133.4
575.71	2034.6	143.71
599.97	2040.4	124.06
572.59	2013.7	106.87
514.14	2090.1	134.51
535.67	2093.4	125.11
594.27	2004.7	103.73
561.02	2067.2	126.18
522.76	2003.5	145.93
566.87	2025.3	126.37
569.29	2055.7	118.21

B =

1227.6	-1407.8	144.44	-1	0	0
-2318.2	1009.5	-3719.9	0	-1	0
-1210.6	3189.7	3623.4	0	0	-1
1200.7	-1229.9	252.16	-1	0	0
-2420.1	876.05	-3646.2	0	-1	0
-1184.5	3170.4	3582.3	0	0	-1
1218.2	-1416.2	128.85	-1	0	0
-2418.5	1013.7	-3828	0	-1	0
-1201.7	3335	3723.2	0	0	-1
1204.3	-1276.6	220.54	-1	0	0
-2411.9	910.7	-3683.9	0	-1	0
-1188.1	3202.3	3609.9	0	0	-1
1267	-1308.5	258.05	-1	0	0
-2423.4	934.86	-3728	0	-1	0
-1249.5	3189.4	3662.8	0	0	-1
1231.3	-1339.9	199.32	-1	0	0
-2322.6	959.44	-3657.6	0	-1	0
-1214.3	3125.1	3578.6	0	0	-1
1249	-1395.5	174.76	-1	0	0
-2260.6	1001.9	-3650.7	0	-1	0
-1231.4	3083.8	3565.2	0	0	-1
1256.2	-1367.6	202.87	-1	0	0
-2443.9	977.89	-3806.3	0	-1	0

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                                list5
-1239.1      3283.8      3722.9          0          0          -1
 1283.8     -1390.2      212.94         -1          0          0
-2389.1          996     -3774.4          0         -1          0
  -1266      3210.1      3695          0          0         -1
 1247.4     -1231.3      297.06         -1          0          0
  -2479      876.63     -3707.3          0         -1          0
-1230.6          3203      3653.7          0          0         -1
  1254     -1378.3      192.59         -1          0          0
-2320.1      988.14     -3693.3          0         -1          0
-1236.5      3138.3      3611.1          0          0         -1
 1223.1     -1434.6      119.83         -1          0          0
-2296.2      1029.6     -3724.1          0         -1          0
-1206.2      3192.1      3620.6          0          0         -1
 1180.5     -1371.9      125.17         -1          0          0
-2308.7      982.61     -3674.2          0         -1          0
-1164.4      3186.7      3574          0          0         -1
 1265.7     -1240.2      308.25         -1          0          0
-2527.7      882.51      -3765          0         -1          0
-1248.6      3256.9      3712.4          0          0         -1
 1251.2     -1289.8      256.61         -1          0          0
-2499.5      919.38     -3785.2          0         -1          0
-1234.3      3283.1      3717.5          0          0         -1
 1170.6     -1421.1      78.354         -1          0          0
-2256.4      1019.8     -3670.3          0         -1          0
-1154.6      3177.5      3557.2          0          0         -1
  1240     -1346.6      202.78         -1          0          0
-2409.6      962.85     -3751.2          0         -1          0
-1223.1      3234.7      3669.8          0          0         -1
 1242.4     -1256.4      273.16         -1          0          0
-2361.3      897.34     -3614.3          0         -1          0
-1225.2          3082      3557.5          0          0         -1
 1219.6     -1358.5      173.76         -1          0          0
-2328.7      972.9      -3681.8          0         -1          0
-1202.8      3162.2      3594.8          0          0         -1
 1220.7     -1365.4      169.62         -1          0          0
-2379.5          977     -3739.3          0         -1          0
  -1204      3232.9      3649.1          0          0         -1

ft =
Columns 1 through 7
-0.18745     -39.456      39.185      1.05     -38.824      38.741     -0.33649
Columns 8 through 14
-40.607      40.342      0.69318     -39.187      39.055      1.087     -39.623
Columns 15 through 21
 39.567      0.42533     -38.848      38.663      0.12988     -38.724      38.487
Columns 22 through 28
 0.47921     -40.412      40.276      0.56807     -40.048      39.917      1.5434
Columns 29 through 35
-39.471      39.486      0.3395     -39.193      39.003     -0.46514     -39.478
Columns 36 through 42
 39.163     -0.3838     -39.004      38.69      1.6705     -40.078      40.13
Columns 43 through 49
 1.0939     -40.254      40.215     -0.91368     -38.921      38.517      0.47827
Columns 50 through 56
-39.842      39.691      1.2539     -38.455      38.396      0.14613     -39.092
Columns 57 through 60
 38.867      0.11     -39.701      39.486

parameter corrections
ans =
 0.00033001  0.00076358  0.010377  1.0144  0.85646  0.45752
condN =
 1.2168e+11
parameter corrections
ans =
 5.9514e-05  9.0534e-05  1.2237e-05  0.7257  0.17339  0.032428
condN =
 1.1837e+11
parameter corrections
ans =
 1.8955e-09  1.5147e-08  2.4419e-09  1.9802e-05  -5.5378e-07  3.5011e-07
condN =
 1.1834e+11
parameter corrections
ans =
 9.1053e-16  3.2482e-16  1.9827e-18  1.6749e-12  -2.1658e-12  -3.2344e-13
condN =
 1.1834e+11
we have converged
6 parameters
ans =

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-0.41961      -0.56915      -0.41961      list5
ans =         8.7401         2.0298         3.4899
residuals
v =
-1.6829e-05
-2.8713e-06
 1.3655e-05
 5.2908e-07
 1.0425e-05
 5.6731e-06
-3.1128e-06
 4.1591e-06
 4.1534e-06
 8.9912e-06
 1.5419e-05
-2.0299e-06
-1.524e-05
 8.7974e-08
-1.61e-05
-1.2006e-06
 7.6453e-06
-1.1587e-05
-4.7021e-06
-3.6086e-06
 6.7557e-06
-7.9879e-07
-7.6277e-06
-8.9198e-06
 1.6056e-05
 5.0238e-06
-3.442e-06
 3.8875e-06
-1.1523e-05
-7.6558e-06
 9.8988e-06
 7.5374e-06
 6.211e-06
-1.2387e-06
 1.0367e-05
 1.528e-06
-1.3134e-05
-1.1988e-05
 4.1317e-06
-6.677e-06
 2.3022e-06
 3.2216e-06
-8.362e-06
-4.0573e-07
 1.5908e-05
 1.0671e-05
-1.7136e-05
 8.7723e-06
 1.4961e-06
-4.2863e-06
-4.7081e-06
 1.1214e-05
 1.2204e-06
-8.4792e-06
 3.3072e-06
 2.3549e-07
 2.2448e-06
 5.2438e-06
-4.9754e-06
-9.3322e-06
diary off

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