

GNU Octave, version 3.8.2

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Octave was configured for "x86_64-pc-linux-gnu".

Additional information about Octave is available at <http://www.octave.org>.

Please contribute if you find this software useful.

For more information, visit <http://www.octave.org/get-involved.html>

Read <http://www.octave.org/bugs.html> to learn how to submit bug reports.

For information about changes from previous versions, type 'news'.

a = 1.000000

l = 1.000000

T = 0.100000

$\varepsilon =$

1.0000e-10

n = 10

k = 10

hx = 0.100000

ht = 0.010000

Всего демпферов: 1

Демпфер # 1

x_1 = 0.500000

Верхнее предельное значение w_1(t) =
NaN

Нижнее предельное значение w_1(t) =
NaN

Управляющая функция w_1(t):

1
1
1
1
1
1
1
1
1

1
1
1

Using Marquardt minimization

Iteration 0 error:

1.8367

Grad wt

1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1

Iteration 0 calculating gradient 1 of 11

Iteration 0 calculating gradient 2 of 11

Iteration 0 calculating gradient 3 of 11

Iteration 0 calculating gradient 4 of 11

Iteration 0 calculating gradient 5 of 11

Iteration 0 calculating gradient 6 of 11

Iteration 0 calculating gradient 7 of 11

Iteration 0 calculating gradient 8 of 11

Iteration 0 calculating gradient 9 of 11

Iteration 0 calculating gradient 10 of 11

Iteration 0 calculating gradient 11 of 11

Gradient euclidean norm

0.094681

Iteration 1 calculating Hessian matrix 1 of 121

Iteration 1 calculating Hessian matrix 2 of 121

Iteration 1 calculating Hessian matrix 3 of 121

Iteration 1 calculating Hessian matrix 4 of 121

[illegible]

[illegible]

Iteration 1 calculating Hessian matrix 103 of 121
 Iteration 1 calculating Hessian matrix 104 of 121
 Iteration 1 calculating Hessian matrix 105 of 121
 Iteration 1 calculating Hessian matrix 106 of 121
 Iteration 1 calculating Hessian matrix 107 of 121
 Iteration 1 calculating Hessian matrix 108 of 121
 Iteration 1 calculating Hessian matrix 109 of 121
 Iteration 1 calculating Hessian matrix 110 of 121
 Iteration 1 calculating Hessian matrix 111 of 121
 Iteration 1 calculating Hessian matrix 112 of 121
 Iteration 1 calculating Hessian matrix 113 of 121
 Iteration 1 calculating Hessian matrix 114 of 121
 Iteration 1 calculating Hessian matrix 115 of 121
 Iteration 1 calculating Hessian matrix 116 of 121
 Iteration 1 calculating Hessian matrix 117 of 121
 Iteration 1 calculating Hessian matrix 118 of 121
 Iteration 1 calculating Hessian matrix 119 of 121
 Iteration 1 calculating Hessian matrix 120 of 121
 Iteration 1 calculating Hessian matrix 121 of 121

Columns 1 through 6:

| | | | | | |
|-------------|------------|-------------|------------|------------|------------|
| 1.5672e-04 | 1.6711e-04 | 1.9140e-05 | 1.5947e-04 | 2.3437e-04 | 2.1472e-05 |
| 1.6711e-04 | 3.7557e-04 | 3.7670e-04 | 3.5576e-04 | 3.1610e-04 | 6.0596e-05 |
| 1.9140e-05 | 3.7670e-04 | 7.4871e-04 | 4.3621e-04 | 6.1950e-05 | 1.2677e-04 |
| 1.5947e-04 | 3.5576e-04 | 4.3621e-04 | 4.4797e-04 | 2.9619e-04 | 1.5281e-04 |
| 2.3437e-04 | 3.1610e-04 | 6.1950e-05 | 2.9619e-04 | 5.4012e-04 | 2.6390e-04 |
| 2.1472e-05 | 6.0596e-05 | 1.2677e-04 | 1.5281e-04 | 2.6390e-04 | 5.4008e-04 |
| -9.3037e-06 | 4.7096e-05 | 1.5787e-04 | 1.2752e-04 | 1.5059e-04 | 5.4778e-04 |
| 1.0745e-04 | 1.4804e-04 | -3.3462e-05 | 1.1169e-04 | 3.8465e-04 | 4.4087e-04 |
| 1.6291e-04 | 2.2455e-04 | 2.0337e-04 | 3.3005e-04 | 4.5033e-04 | 4.1049e-04 |
| 1.5856e-04 | 4.3043e-04 | 5.7496e-04 | 5.0828e-04 | 3.3620e-04 | 2.4207e-04 |
| 6.1084e-05 | 2.4025e-04 | 3.1968e-04 | 2.4964e-04 | 1.2166e-04 | 5.6044e-05 |

Columns 7 through 11:

| | | | | |
|-------------|-------------|------------|------------|------------|
| -9.3037e-06 | 1.0745e-04 | 1.6291e-04 | 1.5856e-04 | 6.1084e-05 |
| 4.7096e-05 | 1.4804e-04 | 2.2455e-04 | 4.3043e-04 | 2.4025e-04 |
| 1.5787e-04 | -3.3462e-05 | 2.0337e-04 | 5.7496e-04 | 3.1968e-04 |
| 1.2752e-04 | 1.1169e-04 | 3.3005e-04 | 5.0828e-04 | 2.4964e-04 |
| 1.5059e-04 | 3.8465e-04 | 4.5033e-04 | 3.3620e-04 | 1.2166e-04 |
| 5.4778e-04 | 4.4087e-04 | 4.1049e-04 | 2.4207e-04 | 5.6044e-05 |
| 8.3300e-04 | 5.6120e-04 | 2.4198e-04 | 1.9917e-04 | 9.6212e-05 |
| 5.6120e-04 | 5.9359e-04 | 3.4399e-04 | 1.8590e-04 | 6.7324e-05 |
| 2.4198e-04 | 3.4399e-04 | 5.7454e-04 | 4.1247e-04 | 1.0274e-04 |
| 1.9917e-04 | 1.8590e-04 | 4.1247e-04 | 6.6012e-04 | 3.2121e-04 |
| 9.6212e-05 | 6.7324e-05 | 1.0274e-04 | 3.2121e-04 | 1.7981e-04 |

Pos Hessian matrix

Iteration 1 mu: 0.83300

!!!d!!!

-0.011656
-0.024986
-0.028474
-0.031736
-0.034857
-0.037596
-0.040980
-0.038624
-0.042834
-0.046689
-0.020835

!!!Was!!!

1
1
1
1
1
1
1
1
1
1
1
1
1

!!!Now!!!

1.0117
1.0250
1.0285
1.0317
1.0349
1.0376
1.0410
1.0386
1.0428
1.0467
1.0208

All OK, reducing mu

!!!Result!!!

1.0117
1.0250
1.0285
1.0317
1.0349
1.0376
1.0410
1.0386
1.0428
1.0467
1.0208

!!!Ans!!!

1.8260

Grad wt

1.0117

1.0250

1.0285

1.0317

1.0349

1.0376

1.0410

1.0386

1.0428

1.0467

1.0208

1.0117

1.0250

1.0285

1.0317

1.0349

1.0376

1.0410

1.0386

1.0428

1.0467

1.0208

Iteration 1 calculating gradient 1 of 11

Iteration 1 calculating gradient 2 of 11

Iteration 1 calculating gradient 3 of 11

Iteration 1 calculating gradient 4 of 11

Iteration 1 calculating gradient 5 of 11

Iteration 1 calculating gradient 6 of 11

Iteration 1 calculating gradient 7 of 11

Iteration 1 calculating gradient 8 of 11

Iteration 1 calculating gradient 9 of 11

Iteration 1 calculating gradient 10 of 11

Iteration 1 calculating gradient 11 of 11

Gradient euclidean norm

0.094354

Iteration 2 calculating Hessian matrix 1 of 121

Iteration 2 calculating Hessian matrix 2 of 121

Iteration 2 calculating Hessian matrix 3 of 121

Iteration 2 calculating Hessian matrix 4 of 121

Iteration 2 calculating Hessian matrix 5 of 121

Iteration 2 calculating Hessian matrix 6 of 121

Iteration 2 calculating Hessian matrix 7 of 121

Iteration 2 calculating Hessian matrix 8 of 121

Iteration 2 calculating Hessian matrix 9 of 121

Iteration 2 calculating Hessian matrix 10 of 121

Iteration 2 calculating Hessian matrix 11 of 121

Iteration 2 calculating Hessian matrix 12 of 121

[illegible]

[illegible]

Iteration 2 calculating Hessian matrix 111 of 121
Iteration 2 calculating Hessian matrix 112 of 121
Iteration 2 calculating Hessian matrix 113 of 121
Iteration 2 calculating Hessian matrix 114 of 121
Iteration 2 calculating Hessian matrix 115 of 121
Iteration 2 calculating Hessian matrix 116 of 121
Iteration 2 calculating Hessian matrix 117 of 121
Iteration 2 calculating Hessian matrix 118 of 121
Iteration 2 calculating Hessian matrix 119 of 121
Iteration 2 calculating Hessian matrix 120 of 121
Iteration 2 calculating Hessian matrix 121 of 121
Iteration 2 mu: 0.41650

!!!d!!!

-0.023127
-0.049565
-0.056501
-0.062996
-0.069229
-0.074711
-0.081409
-0.076752
-0.085090
-0.092758
-0.041368

!!!Was!!!

1.0117
1.0250
1.0285
1.0317
1.0349
1.0376
1.0410
1.0386
1.0428
1.0467
1.0208

!!!Now!!!

1.0348
1.0746
1.0850
1.0947
1.1041
1.1123
1.1224
1.1154
1.1279
1.1394
1.0622

All OK, reducing mu

!!!Result!!!

1.0348

1.0746

1.0850

1.0947

1.1041

1.1123

1.1224

1.1154

1.1279

1.1394

1.0622

!!!Ans!!!

1.8048

Grad wt

1.0348

1.0746

1.0850

1.0947

1.1041

1.1123

1.1224

1.1154

1.1279

1.1394

1.0622

1.0348

1.0746

1.0850

1.0947

1.1041

1.1123

1.1224

1.1154

1.1279

1.1394

1.0622

Iteration 2 calculating gradient 1 of 11

Iteration 2 calculating gradient 2 of 11

Iteration 2 calculating gradient 3 of 11

Iteration 2 calculating gradient 4 of 11

Iteration 2 calculating gradient 5 of 11

Iteration 2 calculating gradient 6 of 11

Iteration 2 calculating gradient 7 of 11

Iteration 2 calculating gradient 8 of 11

Iteration 2 calculating gradient 9 of 11

Iteration 2 calculating gradient 10 of 11

Iteration 2 calculating gradient 11 of 11

Gradient euclidean norm

0.093706

[illegible]

[illegible]

Iteration 3 calculating Hessian matrix 98 of 121
Iteration 3 calculating Hessian matrix 99 of 121
Iteration 3 calculating Hessian matrix 100 of 121
Iteration 3 calculating Hessian matrix 101 of 121
Iteration 3 calculating Hessian matrix 102 of 121
Iteration 3 calculating Hessian matrix 103 of 121
Iteration 3 calculating Hessian matrix 104 of 121
Iteration 3 calculating Hessian matrix 105 of 121
Iteration 3 calculating Hessian matrix 106 of 121
Iteration 3 calculating Hessian matrix 107 of 121
Iteration 3 calculating Hessian matrix 108 of 121
Iteration 3 calculating Hessian matrix 109 of 121
Iteration 3 calculating Hessian matrix 110 of 121
Iteration 3 calculating Hessian matrix 111 of 121
Iteration 3 calculating Hessian matrix 112 of 121
Iteration 3 calculating Hessian matrix 113 of 121
Iteration 3 calculating Hessian matrix 114 of 121
Iteration 3 calculating Hessian matrix 115 of 121
Iteration 3 calculating Hessian matrix 116 of 121
Iteration 3 calculating Hessian matrix 117 of 121
Iteration 3 calculating Hessian matrix 118 of 121
Iteration 3 calculating Hessian matrix 119 of 121
Iteration 3 calculating Hessian matrix 120 of 121
Iteration 3 calculating Hessian matrix 121 of 121
Iteration 3 mu: 0.20825

!!!d!!!

-0.045525
-0.097583
-0.111273
-0.124155
-0.136558
-0.147517
-0.160857
-0.151654
-0.168045
-0.182951
-0.081594

!!!Was!!!

1.0348
1.0746
1.0850
1.0947
1.1041
1.1123
1.1224
1.1154
1.1279
1.1394
1.0622

!!!Now!!!

1.0803

1.1721

1.1962

1.2189

1.2406

1.2598

1.2832

1.2670

1.2960

1.3224

1.1438

All OK, reducing mu

!!!Result!!!

1.0803

1.1721

1.1962

1.2189

1.2406

1.2598

1.2832

1.2670

1.2960

1.3224

1.1438

!!!Ans!!!

1.7635

Grad wt

1.0803

1.1721

1.1962

1.2189

1.2406

1.2598

1.2832

1.2670

1.2960

1.3224

1.1438

1.0803

1.1721

1.1962

1.2189

1.2406

1.2598

1.2832

1.2670

1.2960

1.3224

1.1438

Iteration 3 calculating gradient 1 of 11
Iteration 3 calculating gradient 2 of 11
Iteration 3 calculating gradient 3 of 11
Iteration 3 calculating gradient 4 of 11
Iteration 3 calculating gradient 5 of 11
Iteration 3 calculating gradient 6 of 11
Iteration 3 calculating gradient 7 of 11
Iteration 3 calculating gradient 8 of 11
Iteration 3 calculating gradient 9 of 11
Iteration 3 calculating gradient 10 of 11
Iteration 3 calculating gradient 11 of 11

Gradient euclidean norm

0.092425

Iteration 4 calculating Hessian matrix 1 of 121
Iteration 4 calculating Hessian matrix 2 of 121
Iteration 4 calculating Hessian matrix 3 of 121
Iteration 4 calculating Hessian matrix 4 of 121
Iteration 4 calculating Hessian matrix 5 of 121
Iteration 4 calculating Hessian matrix 6 of 121
Iteration 4 calculating Hessian matrix 7 of 121
Iteration 4 calculating Hessian matrix 8 of 121
Iteration 4 calculating Hessian matrix 9 of 121
Iteration 4 calculating Hessian matrix 10 of 121
Iteration 4 calculating Hessian matrix 11 of 121
Iteration 4 calculating Hessian matrix 12 of 121
Iteration 4 calculating Hessian matrix 13 of 121
Iteration 4 calculating Hessian matrix 14 of 121
Iteration 4 calculating Hessian matrix 15 of 121
Iteration 4 calculating Hessian matrix 16 of 121
Iteration 4 calculating Hessian matrix 17 of 121
Iteration 4 calculating Hessian matrix 18 of 121
Iteration 4 calculating Hessian matrix 19 of 121
Iteration 4 calculating Hessian matrix 20 of 121
Iteration 4 calculating Hessian matrix 21 of 121
Iteration 4 calculating Hessian matrix 22 of 121
Iteration 4 calculating Hessian matrix 23 of 121
Iteration 4 calculating Hessian matrix 24 of 121
Iteration 4 calculating Hessian matrix 25 of 121
Iteration 4 calculating Hessian matrix 26 of 121
Iteration 4 calculating Hessian matrix 27 of 121
Iteration 4 calculating Hessian matrix 28 of 121
Iteration 4 calculating Hessian matrix 29 of 121
Iteration 4 calculating Hessian matrix 30 of 121
Iteration 4 calculating Hessian matrix 31 of 121
Iteration 4 calculating Hessian matrix 32 of 121
Iteration 4 calculating Hessian matrix 33 of 121
Iteration 4 calculating Hessian matrix 34 of 121
Iteration 4 calculating Hessian matrix 35 of 121

[illegible]

Iteration 4 calculating Hessian matrix 85 of 121
Iteration 4 calculating Hessian matrix 86 of 121
Iteration 4 calculating Hessian matrix 87 of 121
Iteration 4 calculating Hessian matrix 88 of 121
Iteration 4 calculating Hessian matrix 89 of 121
Iteration 4 calculating Hessian matrix 90 of 121
Iteration 4 calculating Hessian matrix 91 of 121
Iteration 4 calculating Hessian matrix 92 of 121
Iteration 4 calculating Hessian matrix 93 of 121
Iteration 4 calculating Hessian matrix 94 of 121
Iteration 4 calculating Hessian matrix 95 of 121
Iteration 4 calculating Hessian matrix 96 of 121
Iteration 4 calculating Hessian matrix 97 of 121
Iteration 4 calculating Hessian matrix 98 of 121
Iteration 4 calculating Hessian matrix 99 of 121
Iteration 4 calculating Hessian matrix 100 of 121
Iteration 4 calculating Hessian matrix 101 of 121
Iteration 4 calculating Hessian matrix 102 of 121
Iteration 4 calculating Hessian matrix 103 of 121
Iteration 4 calculating Hessian matrix 104 of 121
Iteration 4 calculating Hessian matrix 105 of 121
Iteration 4 calculating Hessian matrix 106 of 121
Iteration 4 calculating Hessian matrix 107 of 121
Iteration 4 calculating Hessian matrix 108 of 121
Iteration 4 calculating Hessian matrix 109 of 121
Iteration 4 calculating Hessian matrix 110 of 121
Iteration 4 calculating Hessian matrix 111 of 121
Iteration 4 calculating Hessian matrix 112 of 121
Iteration 4 calculating Hessian matrix 113 of 121
Iteration 4 calculating Hessian matrix 114 of 121
Iteration 4 calculating Hessian matrix 115 of 121
Iteration 4 calculating Hessian matrix 116 of 121
Iteration 4 calculating Hessian matrix 117 of 121
Iteration 4 calculating Hessian matrix 118 of 121
Iteration 4 calculating Hessian matrix 119 of 121
Iteration 4 calculating Hessian matrix 120 of 121
Iteration 4 calculating Hessian matrix 121 of 121
Iteration 4 mu: 0.10413

!!!d!!!

-0.087857
-0.188667
-0.215625
-0.240906
-0.265190
-0.287371
-0.313404
-0.295373
-0.327083
-0.355745

-0.158608

!!!Was!!!

1.0803

1.1721

1.1962

1.2189

1.2406

1.2598

1.2832

1.2670

1.2960

1.3224

1.1438

!!!Now!!!

1.1682

1.3608

1.4119

1.4598

1.5058

1.5472

1.5967

1.5624

1.6231

1.6781

1.3024

All OK, reducing mu

!!!Result!!!

1.1682

1.3608

1.4119

1.4598

1.5058

1.5472

1.5967

1.5624

1.6231

1.6781

1.3024

!!!Ans!!!

1.6848

Grad wt

1.1682

1.3608

1.4119

1.4598

1.5058

1.5472

1.5967

1.5624

1.6231
1.6781
1.3024
1.1682
1.3608
1.4119
1.4598
1.5058
1.5472
1.5967
1.5624
1.6231
1.6781
1.3024

Iteration 4 calculating gradient 1 of 11
Iteration 4 calculating gradient 2 of 11
Iteration 4 calculating gradient 3 of 11
Iteration 4 calculating gradient 4 of 11
Iteration 4 calculating gradient 5 of 11
Iteration 4 calculating gradient 6 of 11
Iteration 4 calculating gradient 7 of 11
Iteration 4 calculating gradient 8 of 11
Iteration 4 calculating gradient 9 of 11
Iteration 4 calculating gradient 10 of 11
Iteration 4 calculating gradient 11 of 11

Gradient euclidean norm

0.089937

Iteration 5 calculating Hessian matrix 1 of 121
Iteration 5 calculating Hessian matrix 2 of 121
Iteration 5 calculating Hessian matrix 3 of 121
Iteration 5 calculating Hessian matrix 4 of 121
Iteration 5 calculating Hessian matrix 5 of 121
Iteration 5 calculating Hessian matrix 6 of 121
Iteration 5 calculating Hessian matrix 7 of 121
Iteration 5 calculating Hessian matrix 8 of 121
Iteration 5 calculating Hessian matrix 9 of 121
Iteration 5 calculating Hessian matrix 10 of 121
Iteration 5 calculating Hessian matrix 11 of 121
Iteration 5 calculating Hessian matrix 12 of 121
Iteration 5 calculating Hessian matrix 13 of 121
Iteration 5 calculating Hessian matrix 14 of 121
Iteration 5 calculating Hessian matrix 15 of 121
Iteration 5 calculating Hessian matrix 16 of 121
Iteration 5 calculating Hessian matrix 17 of 121
Iteration 5 calculating Hessian matrix 18 of 121
Iteration 5 calculating Hessian matrix 19 of 121
Iteration 5 calculating Hessian matrix 20 of 121
Iteration 5 calculating Hessian matrix 21 of 121
Iteration 5 calculating Hessian matrix 22 of 121

[illegible]

[illegible]

Iteration 5 calculating Hessian matrix 121 of 121

Iteration 5 mu: 0.052063

!!!d!!!

-0.16563
-0.35389
-0.40463
-0.45312
-0.50400
-0.54758
-0.59782
-0.56341
-0.62201
-0.67566
-0.30131

!!!Was!!!

1.1682
1.3608
1.4119
1.4598
1.5058
1.5472
1.5967
1.5624
1.6231
1.6781
1.3024

!!!Now!!!

1.3338
1.7147
1.8165
1.9129
2.0098
2.0948
2.1945
2.1258
2.2451
2.3538
1.6037

All OK, reducing mu

!!!Result!!!

1.3338
1.7147
1.8165
1.9129
2.0098
2.0948
2.1945
2.1258
2.2451

2.3538
1.6037
!!!Ans!!!
1.5413

Grad wt
1.3338
1.7147
1.8165
1.9129
2.0098
2.0948
2.1945
2.1258
2.2451
2.3538
1.6037
1.3338
1.7147
1.8165
1.9129
2.0098
2.0948
2.1945
2.1258
2.2451
2.3538
1.6037

Iteration 5 calculating gradient 1 of 11
Iteration 5 calculating gradient 2 of 11
Iteration 5 calculating gradient 3 of 11
Iteration 5 calculating gradient 4 of 11
Iteration 5 calculating gradient 5 of 11
Iteration 5 calculating gradient 6 of 11
Iteration 5 calculating gradient 7 of 11
Iteration 5 calculating gradient 8 of 11
Iteration 5 calculating gradient 9 of 11
Iteration 5 calculating gradient 10 of 11
Iteration 5 calculating gradient 11 of 11
Gradient euclidean norm

0.085217
Iteration 6 calculating Hessian matrix 1 of 121
Iteration 6 calculating Hessian matrix 2 of 121
Iteration 6 calculating Hessian matrix 3 of 121
Iteration 6 calculating Hessian matrix 4 of 121
Iteration 6 calculating Hessian matrix 5 of 121
Iteration 6 calculating Hessian matrix 6 of 121
Iteration 6 calculating Hessian matrix 7 of 121
Iteration 6 calculating Hessian matrix 8 of 121
Iteration 6 calculating Hessian matrix 9 of 121

[illegible]

[illegible]

Iteration 6 calculating Hessian matrix 108 of 121
Iteration 6 calculating Hessian matrix 109 of 121
Iteration 6 calculating Hessian matrix 110 of 121
Iteration 6 calculating Hessian matrix 111 of 121
Iteration 6 calculating Hessian matrix 112 of 121
Iteration 6 calculating Hessian matrix 113 of 121
Iteration 6 calculating Hessian matrix 114 of 121
Iteration 6 calculating Hessian matrix 115 of 121
Iteration 6 calculating Hessian matrix 116 of 121
Iteration 6 calculating Hessian matrix 117 of 121
Iteration 6 calculating Hessian matrix 118 of 121
Iteration 6 calculating Hessian matrix 119 of 121
Iteration 6 calculating Hessian matrix 120 of 121
Iteration 6 calculating Hessian matrix 121 of 121
Iteration 6 mu: 0.026031

!!!d!!!

-0.28957
-0.62268
-0.71167
-0.81004
-0.90323
-0.98583
-1.08399
-1.02065
-1.11937
-1.21894
-0.54072

!!!Was!!!

1.3338
1.7147
1.8165
1.9129
2.0098
2.0948
2.1945
2.1258
2.2451
2.3538
1.6037

!!!Now!!!

1.6234
2.3374
2.5282
2.7230
2.9131
3.0806
3.2785
3.1465
3.3644

3.5727

2.1444

All OK, reducing mu

!!!Result!!!

1.6234

2.3374

2.5282

2.7230

2.9131

3.0806

3.2785

3.1465

3.3644

3.5727

2.1444

!!!Ans!!!

1.3029

Grad wt

1.6234

2.3374

2.5282

2.7230

2.9131

3.0806

3.2785

3.1465

3.3644

3.5727

2.1444

1.6234

2.3374

2.5282

2.7230

2.9131

3.0806

3.2785

3.1465

3.3644

3.5727

2.1444

Iteration 6 calculating gradient 1 of 11

Iteration 6 calculating gradient 2 of 11

Iteration 6 calculating gradient 3 of 11

Iteration 6 calculating gradient 4 of 11

Iteration 6 calculating gradient 5 of 11

Iteration 6 calculating gradient 6 of 11

Iteration 6 calculating gradient 7 of 11

Iteration 6 calculating gradient 8 of 11

Iteration 6 calculating gradient 9 of 11

Iteration 6 calculating gradient 10 of 11

Iteration 6 calculating gradient 11 of 11

Gradient euclidean norm

0.076745

Iteration 7 calculating Hessian matrix 1 of 121

Iteration 7 calculating Hessian matrix 2 of 121

Iteration 7 calculating Hessian matrix 3 of 121

Iteration 7 calculating Hessian matrix 4 of 121

Iteration 7 calculating Hessian matrix 5 of 121

Iteration 7 calculating Hessian matrix 6 of 121

Iteration 7 calculating Hessian matrix 7 of 121

Iteration 7 calculating Hessian matrix 8 of 121

Iteration 7 calculating Hessian matrix 9 of 121

Iteration 7 calculating Hessian matrix 10 of 121

Iteration 7 calculating Hessian matrix 11 of 121

Iteration 7 calculating Hessian matrix 12 of 121

Iteration 7 calculating Hessian matrix 13 of 121

Iteration 7 calculating Hessian matrix 14 of 121

Iteration 7 calculating Hessian matrix 15 of 121

Iteration 7 calculating Hessian matrix 16 of 121

Iteration 7 calculating Hessian matrix 17 of 121

Iteration 7 calculating Hessian matrix 18 of 121

Iteration 7 calculating Hessian matrix 19 of 121

Iteration 7 calculating Hessian matrix 20 of 121

Iteration 7 calculating Hessian matrix 21 of 121

Iteration 7 calculating Hessian matrix 22 of 121

Iteration 7 calculating Hessian matrix 23 of 121

Iteration 7 calculating Hessian matrix 24 of 121

Iteration 7 calculating Hessian matrix 25 of 121

Iteration 7 calculating Hessian matrix 26 of 121

Iteration 7 calculating Hessian matrix 27 of 121

Iteration 7 calculating Hessian matrix 28 of 121

Iteration 7 calculating Hessian matrix 29 of 121

Iteration 7 calculating Hessian matrix 30 of 121

Iteration 7 calculating Hessian matrix 31 of 121

Iteration 7 calculating Hessian matrix 32 of 121

Iteration 7 calculating Hessian matrix 33 of 121

Iteration 7 calculating Hessian matrix 34 of 121

Iteration 7 calculating Hessian matrix 35 of 121

Iteration 7 calculating Hessian matrix 36 of 121

Iteration 7 calculating Hessian matrix 37 of 121

Iteration 7 calculating Hessian matrix 38 of 121

Iteration 7 calculating Hessian matrix 39 of 121

Iteration 7 calculating Hessian matrix 40 of 121

Iteration 7 calculating Hessian matrix 41 of 121

Iteration 7 calculating Hessian matrix 42 of 121

Iteration 7 calculating Hessian matrix 43 of 121

Iteration 7 calculating Hessian matrix 44 of 121

Iteration 7 calculating Hessian matrix 45 of 121

[illegible]

Iteration 7 calculating Hessian matrix 95 of 121
Iteration 7 calculating Hessian matrix 96 of 121
Iteration 7 calculating Hessian matrix 97 of 121
Iteration 7 calculating Hessian matrix 98 of 121
Iteration 7 calculating Hessian matrix 99 of 121
Iteration 7 calculating Hessian matrix 100 of 121
Iteration 7 calculating Hessian matrix 101 of 121
Iteration 7 calculating Hessian matrix 102 of 121
Iteration 7 calculating Hessian matrix 103 of 121
Iteration 7 calculating Hessian matrix 104 of 121
Iteration 7 calculating Hessian matrix 105 of 121
Iteration 7 calculating Hessian matrix 106 of 121
Iteration 7 calculating Hessian matrix 107 of 121
Iteration 7 calculating Hessian matrix 108 of 121
Iteration 7 calculating Hessian matrix 109 of 121
Iteration 7 calculating Hessian matrix 110 of 121
Iteration 7 calculating Hessian matrix 111 of 121
Iteration 7 calculating Hessian matrix 112 of 121
Iteration 7 calculating Hessian matrix 113 of 121
Iteration 7 calculating Hessian matrix 114 of 121
Iteration 7 calculating Hessian matrix 115 of 121
Iteration 7 calculating Hessian matrix 116 of 121
Iteration 7 calculating Hessian matrix 117 of 121
Iteration 7 calculating Hessian matrix 118 of 121
Iteration 7 calculating Hessian matrix 119 of 121
Iteration 7 calculating Hessian matrix 120 of 121
Iteration 7 calculating Hessian matrix 121 of 121
Iteration 7 mu: 0.013016

!!!d!!!

-0.44941
-0.97833
-1.14888
-1.29688
-1.46722
-1.62981
-1.80777
-1.70159
-1.86822
-2.00064
-0.88499

!!!Was!!!

1.6234
2.3374
2.5282
2.7230
2.9131
3.0806
3.2785
3.1465

3.3644
3.5727
2.1444
!!!Now!!!
2.0728
3.3157
3.6771
4.0198
4.3803
4.7104
5.0862
4.8481
5.2327
5.5734
3.0294

All OK, reducing mu

!!!Result!!!

2.0728
3.3157
3.6771
4.0198
4.3803
4.7104
5.0862
4.8481
5.2327
5.5734
3.0294

!!!Ans!!!

0.96516

Grad wt

2.0728
3.3157
3.6771
4.0198
4.3803
4.7104
5.0862
4.8481
5.2327
5.5734
3.0294
2.0728
3.3157
3.6771
4.0198
4.3803
4.7104
5.0862

4.8481
5.2327
5.5734
3.0294

Iteration 7 calculating gradient 1 of 11
Iteration 7 calculating gradient 2 of 11
Iteration 7 calculating gradient 3 of 11
Iteration 7 calculating gradient 4 of 11
Iteration 7 calculating gradient 5 of 11
Iteration 7 calculating gradient 6 of 11
Iteration 7 calculating gradient 7 of 11
Iteration 7 calculating gradient 8 of 11
Iteration 7 calculating gradient 9 of 11
Iteration 7 calculating gradient 10 of 11
Iteration 7 calculating gradient 11 of 11

Gradient euclidean norm
0.062863

Iteration 8 calculating Hessian matrix 1 of 121
Iteration 8 calculating Hessian matrix 2 of 121
Iteration 8 calculating Hessian matrix 3 of 121
Iteration 8 calculating Hessian matrix 4 of 121
Iteration 8 calculating Hessian matrix 5 of 121
Iteration 8 calculating Hessian matrix 6 of 121
Iteration 8 calculating Hessian matrix 7 of 121
Iteration 8 calculating Hessian matrix 8 of 121
Iteration 8 calculating Hessian matrix 9 of 121
Iteration 8 calculating Hessian matrix 10 of 121
Iteration 8 calculating Hessian matrix 11 of 121
Iteration 8 calculating Hessian matrix 12 of 121
Iteration 8 calculating Hessian matrix 13 of 121
Iteration 8 calculating Hessian matrix 14 of 121
Iteration 8 calculating Hessian matrix 15 of 121
Iteration 8 calculating Hessian matrix 16 of 121
Iteration 8 calculating Hessian matrix 17 of 121
Iteration 8 calculating Hessian matrix 18 of 121
Iteration 8 calculating Hessian matrix 19 of 121
Iteration 8 calculating Hessian matrix 20 of 121
Iteration 8 calculating Hessian matrix 21 of 121
Iteration 8 calculating Hessian matrix 22 of 121
Iteration 8 calculating Hessian matrix 23 of 121
Iteration 8 calculating Hessian matrix 24 of 121
Iteration 8 calculating Hessian matrix 25 of 121
Iteration 8 calculating Hessian matrix 26 of 121
Iteration 8 calculating Hessian matrix 27 of 121
Iteration 8 calculating Hessian matrix 28 of 121
Iteration 8 calculating Hessian matrix 29 of 121
Iteration 8 calculating Hessian matrix 30 of 121
Iteration 8 calculating Hessian matrix 31 of 121
Iteration 8 calculating Hessian matrix 32 of 121

[illegible]

Iteration 8 calculating Hessian matrix 82 of 121
Iteration 8 calculating Hessian matrix 83 of 121
Iteration 8 calculating Hessian matrix 84 of 121
Iteration 8 calculating Hessian matrix 85 of 121
Iteration 8 calculating Hessian matrix 86 of 121
Iteration 8 calculating Hessian matrix 87 of 121
Iteration 8 calculating Hessian matrix 88 of 121
Iteration 8 calculating Hessian matrix 89 of 121
Iteration 8 calculating Hessian matrix 90 of 121
Iteration 8 calculating Hessian matrix 91 of 121
Iteration 8 calculating Hessian matrix 92 of 121
Iteration 8 calculating Hessian matrix 93 of 121
Iteration 8 calculating Hessian matrix 94 of 121
Iteration 8 calculating Hessian matrix 95 of 121
Iteration 8 calculating Hessian matrix 96 of 121
Iteration 8 calculating Hessian matrix 97 of 121
Iteration 8 calculating Hessian matrix 98 of 121
Iteration 8 calculating Hessian matrix 99 of 121
Iteration 8 calculating Hessian matrix 100 of 121
Iteration 8 calculating Hessian matrix 101 of 121
Iteration 8 calculating Hessian matrix 102 of 121
Iteration 8 calculating Hessian matrix 103 of 121
Iteration 8 calculating Hessian matrix 104 of 121
Iteration 8 calculating Hessian matrix 105 of 121
Iteration 8 calculating Hessian matrix 106 of 121
Iteration 8 calculating Hessian matrix 107 of 121
Iteration 8 calculating Hessian matrix 108 of 121
Iteration 8 calculating Hessian matrix 109 of 121
Iteration 8 calculating Hessian matrix 110 of 121
Iteration 8 calculating Hessian matrix 111 of 121
Iteration 8 calculating Hessian matrix 112 of 121
Iteration 8 calculating Hessian matrix 113 of 121
Iteration 8 calculating Hessian matrix 114 of 121
Iteration 8 calculating Hessian matrix 115 of 121
Iteration 8 calculating Hessian matrix 116 of 121
Iteration 8 calculating Hessian matrix 117 of 121
Iteration 8 calculating Hessian matrix 118 of 121
Iteration 8 calculating Hessian matrix 119 of 121
Iteration 8 calculating Hessian matrix 120 of 121
Iteration 8 calculating Hessian matrix 121 of 121
Iteration 8 mu: 0.0065078

!!!d!!!

-0.55601
-1.18697
-1.44245
-1.71641
-1.98550
-2.29333
-2.59723

-2.44700
-2.65754
-2.78988
-1.25424

!!!Was!!!

2.0728
3.3157
3.6771
4.0198
4.3803
4.7104
5.0862
4.8481
5.2327
5.5734
3.0294

!!!Now!!!

2.6288
4.5027
5.1195
5.7362
6.3658
7.0038
7.6835
7.2951
7.8902
8.3633
4.2837

All OK, reducing mu

!!!Result!!!

2.6288
4.5027
5.1195
5.7362
6.3658
7.0038
7.6835
7.2951
7.8902
8.3633
4.2837

!!!Ans!!!

0.60735

Grad wt

2.6288
4.5027
5.1195
5.7362
6.3658

7.0038
7.6835
7.2951
7.8902
8.3633
4.2837
2.6288
4.5027
5.1195
5.7362
6.3658
7.0038
7.6835
7.2951
7.8902
8.3633
4.2837

Iteration 8 calculating gradient 1 of 11
Iteration 8 calculating gradient 2 of 11
Iteration 8 calculating gradient 3 of 11
Iteration 8 calculating gradient 4 of 11
Iteration 8 calculating gradient 5 of 11
Iteration 8 calculating gradient 6 of 11
Iteration 8 calculating gradient 7 of 11
Iteration 8 calculating gradient 8 of 11
Iteration 8 calculating gradient 9 of 11
Iteration 8 calculating gradient 10 of 11
Iteration 8 calculating gradient 11 of 11
Gradient euclidean norm

0.043754

Iteration 9 calculating Hessian matrix 1 of 121
Iteration 9 calculating Hessian matrix 2 of 121
Iteration 9 calculating Hessian matrix 3 of 121
Iteration 9 calculating Hessian matrix 4 of 121
Iteration 9 calculating Hessian matrix 5 of 121
Iteration 9 calculating Hessian matrix 6 of 121
Iteration 9 calculating Hessian matrix 7 of 121
Iteration 9 calculating Hessian matrix 8 of 121
Iteration 9 calculating Hessian matrix 9 of 121
Iteration 9 calculating Hessian matrix 10 of 121
Iteration 9 calculating Hessian matrix 11 of 121
Iteration 9 calculating Hessian matrix 12 of 121
Iteration 9 calculating Hessian matrix 13 of 121
Iteration 9 calculating Hessian matrix 14 of 121
Iteration 9 calculating Hessian matrix 15 of 121
Iteration 9 calculating Hessian matrix 16 of 121
Iteration 9 calculating Hessian matrix 17 of 121
Iteration 9 calculating Hessian matrix 18 of 121
Iteration 9 calculating Hessian matrix 19 of 121

[illegible]

[illegible]

Iteration 9 calculating Hessian matrix 118 of 121
Iteration 9 calculating Hessian matrix 119 of 121
Iteration 9 calculating Hessian matrix 120 of 121
Iteration 9 calculating Hessian matrix 121 of 121
Iteration 9 mu: 0.0032539

!!!d!!!

-0.44165
-0.91188
-1.18829
-1.60350
-2.07619
-2.51213
-2.90108
-2.78703
-2.98352
-3.21427
-1.45220

!!!Was!!!

2.6288
4.5027
5.1195
5.7362
6.3658
7.0038
7.6835
7.2951
7.8902
8.3633
4.2837

!!!Now!!!

3.0704
5.4146
6.3078
7.3397
8.4420
9.5159
10.5845
10.0821
10.8737
11.5775
5.7359

All OK, reducing mu

!!!Result!!!

3.0704
5.4146
6.3078
7.3397
8.4420
9.5159

10.5845
10.0821
10.8737
11.5775
5.7359

!!!Ans!!!

0.36285

Grad wt

3.0704
5.4146
6.3078
7.3397
8.4420
9.5159
10.5845
10.0821
10.8737
11.5775
5.7359
3.0704
5.4146
6.3078
7.3397
8.4420
9.5159
10.5845
10.0821
10.8737
11.5775
5.7359

Iteration 9 calculating gradient 1 of 11

Iteration 9 calculating gradient 2 of 11

Iteration 9 calculating gradient 3 of 11

Iteration 9 calculating gradient 4 of 11

Iteration 9 calculating gradient 5 of 11

Iteration 9 calculating gradient 6 of 11

Iteration 9 calculating gradient 7 of 11

Iteration 9 calculating gradient 8 of 11

Iteration 9 calculating gradient 9 of 11

Iteration 9 calculating gradient 10 of 11

Iteration 9 calculating gradient 11 of 11

Gradient euclidean norm

0.023508

Iteration 10 calculating Hessian matrix 1 of 121

Iteration 10 calculating Hessian matrix 2 of 121

Iteration 10 calculating Hessian matrix 3 of 121

Iteration 10 calculating Hessian matrix 4 of 121

Iteration 10 calculating Hessian matrix 5 of 121

Iteration 10 calculating Hessian matrix 6 of 121

[illegible]

[illegible]

Iteration 10 calculating Hessian matrix 105 of 121
Iteration 10 calculating Hessian matrix 106 of 121
Iteration 10 calculating Hessian matrix 107 of 121
Iteration 10 calculating Hessian matrix 108 of 121
Iteration 10 calculating Hessian matrix 109 of 121
Iteration 10 calculating Hessian matrix 110 of 121
Iteration 10 calculating Hessian matrix 111 of 121
Iteration 10 calculating Hessian matrix 112 of 121
Iteration 10 calculating Hessian matrix 113 of 121
Iteration 10 calculating Hessian matrix 114 of 121
Iteration 10 calculating Hessian matrix 115 of 121
Iteration 10 calculating Hessian matrix 116 of 121
Iteration 10 calculating Hessian matrix 117 of 121
Iteration 10 calculating Hessian matrix 118 of 121
Iteration 10 calculating Hessian matrix 119 of 121
Iteration 10 calculating Hessian matrix 120 of 121
Iteration 10 calculating Hessian matrix 121 of 121
Iteration 10 mu: 0.0016270

!!!d!!!

0.19683
0.19759
-0.21951
-0.74074
-1.23692
-1.69910
-2.35418
-2.28068
-2.60568
-2.99804
-1.40862

!!!Was!!!

3.0704
5.4146
6.3078
7.3397
8.4420
9.5159
10.5845
10.0821
10.8737
11.5775
5.7359

!!!Now!!!

2.8736
5.2170
6.5273
8.0805
9.6789
11.2150

12.9387
12.3628
13.4794
14.5756
7.1445

All OK, reducing mu

!!!Result!!!

2.8736
5.2170
6.5273
8.0805
9.6789
11.2150
12.9387
12.3628
13.4794
14.5756
7.1445

!!!Ans!!!

0.27000

Grad wt

2.8736
5.2170
6.5273
8.0805
9.6789
11.2150
12.9387
12.3628
13.4794
14.5756
7.1445
2.8736
5.2170
6.5273
8.0805
9.6789
11.2150
12.9387
12.3628
13.4794
14.5756
7.1445

Iteration 10 calculating gradient 1 of 11

Iteration 10 calculating gradient 2 of 11

Iteration 10 calculating gradient 3 of 11

Iteration 10 calculating gradient 4 of 11

Iteration 10 calculating gradient 5 of 11

Iteration 10 calculating gradient 6 of 11

Iteration 10 calculating gradient 7 of 11
Iteration 10 calculating gradient 8 of 11
Iteration 10 calculating gradient 9 of 11
Iteration 10 calculating gradient 10 of 11
Iteration 10 calculating gradient 11 of 11
Gradient euclidean norm

0.0093892

Iteration 11 calculating Hessian matrix 1 of 121
Iteration 11 calculating Hessian matrix 2 of 121
Iteration 11 calculating Hessian matrix 3 of 121
Iteration 11 calculating Hessian matrix 4 of 121
Iteration 11 calculating Hessian matrix 5 of 121
Iteration 11 calculating Hessian matrix 6 of 121
Iteration 11 calculating Hessian matrix 7 of 121
Iteration 11 calculating Hessian matrix 8 of 121
Iteration 11 calculating Hessian matrix 9 of 121
Iteration 11 calculating Hessian matrix 10 of 121
Iteration 11 calculating Hessian matrix 11 of 121
Iteration 11 calculating Hessian matrix 12 of 121
Iteration 11 calculating Hessian matrix 13 of 121
Iteration 11 calculating Hessian matrix 14 of 121
Iteration 11 calculating Hessian matrix 15 of 121
Iteration 11 calculating Hessian matrix 16 of 121
Iteration 11 calculating Hessian matrix 17 of 121
Iteration 11 calculating Hessian matrix 18 of 121
Iteration 11 calculating Hessian matrix 19 of 121
Iteration 11 calculating Hessian matrix 20 of 121
Iteration 11 calculating Hessian matrix 21 of 121
Iteration 11 calculating Hessian matrix 22 of 121
Iteration 11 calculating Hessian matrix 23 of 121
Iteration 11 calculating Hessian matrix 24 of 121
Iteration 11 calculating Hessian matrix 25 of 121
Iteration 11 calculating Hessian matrix 26 of 121
Iteration 11 calculating Hessian matrix 27 of 121
Iteration 11 calculating Hessian matrix 28 of 121
Iteration 11 calculating Hessian matrix 29 of 121
Iteration 11 calculating Hessian matrix 30 of 121
Iteration 11 calculating Hessian matrix 31 of 121
Iteration 11 calculating Hessian matrix 32 of 121
Iteration 11 calculating Hessian matrix 33 of 121
Iteration 11 calculating Hessian matrix 34 of 121
Iteration 11 calculating Hessian matrix 35 of 121
Iteration 11 calculating Hessian matrix 36 of 121
Iteration 11 calculating Hessian matrix 37 of 121
Iteration 11 calculating Hessian matrix 38 of 121
Iteration 11 calculating Hessian matrix 39 of 121
Iteration 11 calculating Hessian matrix 40 of 121
Iteration 11 calculating Hessian matrix 41 of 121
Iteration 11 calculating Hessian matrix 42 of 121

[illegible]

Iteration 11 calculating Hessian matrix 92 of 121
Iteration 11 calculating Hessian matrix 93 of 121
Iteration 11 calculating Hessian matrix 94 of 121
Iteration 11 calculating Hessian matrix 95 of 121
Iteration 11 calculating Hessian matrix 96 of 121
Iteration 11 calculating Hessian matrix 97 of 121
Iteration 11 calculating Hessian matrix 98 of 121
Iteration 11 calculating Hessian matrix 99 of 121
Iteration 11 calculating Hessian matrix 100 of 121
Iteration 11 calculating Hessian matrix 101 of 121
Iteration 11 calculating Hessian matrix 102 of 121
Iteration 11 calculating Hessian matrix 103 of 121
Iteration 11 calculating Hessian matrix 104 of 121
Iteration 11 calculating Hessian matrix 105 of 121
Iteration 11 calculating Hessian matrix 106 of 121
Iteration 11 calculating Hessian matrix 107 of 121
Iteration 11 calculating Hessian matrix 108 of 121
Iteration 11 calculating Hessian matrix 109 of 121
Iteration 11 calculating Hessian matrix 110 of 121
Iteration 11 calculating Hessian matrix 111 of 121
Iteration 11 calculating Hessian matrix 112 of 121
Iteration 11 calculating Hessian matrix 113 of 121
Iteration 11 calculating Hessian matrix 114 of 121
Iteration 11 calculating Hessian matrix 115 of 121
Iteration 11 calculating Hessian matrix 116 of 121
Iteration 11 calculating Hessian matrix 117 of 121
Iteration 11 calculating Hessian matrix 118 of 121
Iteration 11 calculating Hessian matrix 119 of 121
Iteration 11 calculating Hessian matrix 120 of 121
Iteration 11 calculating Hessian matrix 121 of 121
Iteration 11 mu: 8.1348e-04

!!!d!!!

1.1064222
1.7360466
1.0595846
0.4039043
0.0023671
-0.1628205
-1.1432944
-1.4855723
-1.9719894
-3.2306781
-1.7638114

!!!Was!!!

2.8736
5.2170
6.5273
8.0805
9.6789

11.2150
12.9387
12.3628
13.4794
14.5756
7.1445

!!!Now!!!

1.7672
3.4809
5.4677
7.6766
9.6765
11.3778
14.0820
13.8483
15.4514
17.8062
8.9083

All OK, reducing mu

!!!Result!!!

1.7672
3.4809
5.4677
7.6766
9.6765
11.3778
14.0820
13.8483
15.4514
17.8062
8.9083

!!!Ans!!!

0.24002

Grad wt

1.7672
3.4809
5.4677
7.6766
9.6765
11.3778
14.0820
13.8483
15.4514
17.8062
8.9083
1.7672
3.4809
5.4677
7.6766

9.6765
11.3778
14.0820
13.8483
15.4514
17.8062
8.9083

Iteration 11 calculating gradient 1 of 11
Iteration 11 calculating gradient 2 of 11
Iteration 11 calculating gradient 3 of 11
Iteration 11 calculating gradient 4 of 11
Iteration 11 calculating gradient 5 of 11
Iteration 11 calculating gradient 6 of 11
Iteration 11 calculating gradient 7 of 11
Iteration 11 calculating gradient 8 of 11
Iteration 11 calculating gradient 9 of 11
Iteration 11 calculating gradient 10 of 11
Iteration 11 calculating gradient 11 of 11

Gradient euclidean norm

0.0041760

Iteration 12 calculating Hessian matrix 1 of 121
Iteration 12 calculating Hessian matrix 2 of 121
Iteration 12 calculating Hessian matrix 3 of 121
Iteration 12 calculating Hessian matrix 4 of 121
Iteration 12 calculating Hessian matrix 5 of 121
Iteration 12 calculating Hessian matrix 6 of 121
Iteration 12 calculating Hessian matrix 7 of 121
Iteration 12 calculating Hessian matrix 8 of 121
Iteration 12 calculating Hessian matrix 9 of 121
Iteration 12 calculating Hessian matrix 10 of 121
Iteration 12 calculating Hessian matrix 11 of 121
Iteration 12 calculating Hessian matrix 12 of 121
Iteration 12 calculating Hessian matrix 13 of 121
Iteration 12 calculating Hessian matrix 14 of 121
Iteration 12 calculating Hessian matrix 15 of 121
Iteration 12 calculating Hessian matrix 16 of 121
Iteration 12 calculating Hessian matrix 17 of 121
Iteration 12 calculating Hessian matrix 18 of 121
Iteration 12 calculating Hessian matrix 19 of 121
Iteration 12 calculating Hessian matrix 20 of 121
Iteration 12 calculating Hessian matrix 21 of 121
Iteration 12 calculating Hessian matrix 22 of 121
Iteration 12 calculating Hessian matrix 23 of 121
Iteration 12 calculating Hessian matrix 24 of 121
Iteration 12 calculating Hessian matrix 25 of 121
Iteration 12 calculating Hessian matrix 26 of 121
Iteration 12 calculating Hessian matrix 27 of 121
Iteration 12 calculating Hessian matrix 28 of 121
Iteration 12 calculating Hessian matrix 29 of 121

[illegible]

Iteration 12 calculating Hessian matrix 79 of 121
Iteration 12 calculating Hessian matrix 80 of 121
Iteration 12 calculating Hessian matrix 81 of 121
Iteration 12 calculating Hessian matrix 82 of 121
Iteration 12 calculating Hessian matrix 83 of 121
Iteration 12 calculating Hessian matrix 84 of 121
Iteration 12 calculating Hessian matrix 85 of 121
Iteration 12 calculating Hessian matrix 86 of 121
Iteration 12 calculating Hessian matrix 87 of 121
Iteration 12 calculating Hessian matrix 88 of 121
Iteration 12 calculating Hessian matrix 89 of 121
Iteration 12 calculating Hessian matrix 90 of 121
Iteration 12 calculating Hessian matrix 91 of 121
Iteration 12 calculating Hessian matrix 92 of 121
Iteration 12 calculating Hessian matrix 93 of 121
Iteration 12 calculating Hessian matrix 94 of 121
Iteration 12 calculating Hessian matrix 95 of 121
Iteration 12 calculating Hessian matrix 96 of 121
Iteration 12 calculating Hessian matrix 97 of 121
Iteration 12 calculating Hessian matrix 98 of 121
Iteration 12 calculating Hessian matrix 99 of 121
Iteration 12 calculating Hessian matrix 100 of 121
Iteration 12 calculating Hessian matrix 101 of 121
Iteration 12 calculating Hessian matrix 102 of 121
Iteration 12 calculating Hessian matrix 103 of 121
Iteration 12 calculating Hessian matrix 104 of 121
Iteration 12 calculating Hessian matrix 105 of 121
Iteration 12 calculating Hessian matrix 106 of 121
Iteration 12 calculating Hessian matrix 107 of 121
Iteration 12 calculating Hessian matrix 108 of 121
Iteration 12 calculating Hessian matrix 109 of 121
Iteration 12 calculating Hessian matrix 110 of 121
Iteration 12 calculating Hessian matrix 111 of 121
Iteration 12 calculating Hessian matrix 112 of 121
Iteration 12 calculating Hessian matrix 113 of 121
Iteration 12 calculating Hessian matrix 114 of 121
Iteration 12 calculating Hessian matrix 115 of 121
Iteration 12 calculating Hessian matrix 116 of 121
Iteration 12 calculating Hessian matrix 117 of 121
Iteration 12 calculating Hessian matrix 118 of 121
Iteration 12 calculating Hessian matrix 119 of 121
Iteration 12 calculating Hessian matrix 120 of 121
Iteration 12 calculating Hessian matrix 121 of 121
Iteration 12 mu: 4.0674e-04

!!!d!!!

2.21364

3.45577

2.39167

1.39771

0.91702
1.64698
-0.14474
-1.23124
-1.83897
-4.94672
-3.06703

!!!Was!!!

1.7672
3.4809
5.4677
7.6766
9.6765
11.3778
14.0820
13.8483
15.4514
17.8062
8.9083

!!!Now!!!

-0.446449
0.025147
3.076049
6.278861
8.759494
9.730831
14.226763
15.079570
17.290348
22.752963
11.975319

All OK, reducing mu

!!!Result!!!

-0.446449
0.025147
3.076049
6.278861
8.759494
9.730831
14.226763
15.079570
17.290348
22.752963
11.975319

!!!Ans!!!

0.21089

Grad wt

-0.446449
0.025147

3.076049
6.278861
8.759494
9.730831
14.226763
15.079570
17.290348
22.752963
11.975319
-0.446449
0.025147
3.076049
6.278861
8.759494
9.730831
14.226763
15.079570
17.290348
22.752963
11.975319

Iteration 12 calculating gradient 1 of 11
Iteration 12 calculating gradient 2 of 11
Iteration 12 calculating gradient 3 of 11
Iteration 12 calculating gradient 4 of 11
Iteration 12 calculating gradient 5 of 11
Iteration 12 calculating gradient 6 of 11
Iteration 12 calculating gradient 7 of 11
Iteration 12 calculating gradient 8 of 11
Iteration 12 calculating gradient 9 of 11
Iteration 12 calculating gradient 10 of 11
Iteration 12 calculating gradient 11 of 11
Gradient euclidean norm

0.0033309

Iteration 13 calculating Hessian matrix 1 of 121
Iteration 13 calculating Hessian matrix 2 of 121
Iteration 13 calculating Hessian matrix 3 of 121
Iteration 13 calculating Hessian matrix 4 of 121
Iteration 13 calculating Hessian matrix 5 of 121
Iteration 13 calculating Hessian matrix 6 of 121
Iteration 13 calculating Hessian matrix 7 of 121
Iteration 13 calculating Hessian matrix 8 of 121
Iteration 13 calculating Hessian matrix 9 of 121
Iteration 13 calculating Hessian matrix 10 of 121
Iteration 13 calculating Hessian matrix 11 of 121
Iteration 13 calculating Hessian matrix 12 of 121
Iteration 13 calculating Hessian matrix 13 of 121
Iteration 13 calculating Hessian matrix 14 of 121
Iteration 13 calculating Hessian matrix 15 of 121
Iteration 13 calculating Hessian matrix 16 of 121

[illegible]

[illegible]

Iteration 13 calculating Hessian matrix 115 of 121
Iteration 13 calculating Hessian matrix 116 of 121
Iteration 13 calculating Hessian matrix 117 of 121
Iteration 13 calculating Hessian matrix 118 of 121
Iteration 13 calculating Hessian matrix 119 of 121
Iteration 13 calculating Hessian matrix 120 of 121
Iteration 13 calculating Hessian matrix 121 of 121
Iteration 13 mu: 2.0337e-04

!!!d!!!

4.02862
5.67596
4.25054
2.43310
1.34879
3.86244
0.30394
-1.91935
-1.96470
-8.31750
-5.77117

!!!Was!!!

-0.446449
0.025147
3.076049
6.278861
8.759494
9.730831
14.226763
15.079570
17.290348
22.752963
11.975319

!!!Now!!!

-4.4751
-5.6508
-1.1745
3.8458
7.4107
5.8684
13.9228
16.9989
19.2550
31.0705
17.7465

All OK, reducing mu

!!!Result!!!

-4.4751
-5.6508
-1.1745

3.8458
7.4107
5.8684
13.9228
16.9989
19.2550
31.0705
17.7465

!!!Ans!!!

0.16733

Grad wt

-4.4751
-5.6508
-1.1745
3.8458
7.4107
5.8684
13.9228
16.9989
19.2550
31.0705
17.7465
-4.4751
-5.6508
-1.1745
3.8458
7.4107
5.8684
13.9228
16.9989
19.2550
31.0705
17.7465

Iteration 13 calculating gradient 1 of 11

Iteration 13 calculating gradient 2 of 11

Iteration 13 calculating gradient 3 of 11

Iteration 13 calculating gradient 4 of 11

Iteration 13 calculating gradient 5 of 11

Iteration 13 calculating gradient 6 of 11

Iteration 13 calculating gradient 7 of 11

Iteration 13 calculating gradient 8 of 11

Iteration 13 calculating gradient 9 of 11

Iteration 13 calculating gradient 10 of 11

Iteration 13 calculating gradient 11 of 11

Gradient euclidean norm

0.0028632

Iteration 14 calculating Hessian matrix 1 of 121

Iteration 14 calculating Hessian matrix 2 of 121

Iteration 14 calculating Hessian matrix 3 of 121

[illegible]

[illegible]

Iteration 14 calculating Hessian matrix 102 of 121
Iteration 14 calculating Hessian matrix 103 of 121
Iteration 14 calculating Hessian matrix 104 of 121
Iteration 14 calculating Hessian matrix 105 of 121
Iteration 14 calculating Hessian matrix 106 of 121
Iteration 14 calculating Hessian matrix 107 of 121
Iteration 14 calculating Hessian matrix 108 of 121
Iteration 14 calculating Hessian matrix 109 of 121
Iteration 14 calculating Hessian matrix 110 of 121
Iteration 14 calculating Hessian matrix 111 of 121
Iteration 14 calculating Hessian matrix 112 of 121
Iteration 14 calculating Hessian matrix 113 of 121
Iteration 14 calculating Hessian matrix 114 of 121
Iteration 14 calculating Hessian matrix 115 of 121
Iteration 14 calculating Hessian matrix 116 of 121
Iteration 14 calculating Hessian matrix 117 of 121
Iteration 14 calculating Hessian matrix 118 of 121
Iteration 14 calculating Hessian matrix 119 of 121
Iteration 14 calculating Hessian matrix 120 of 121
Iteration 14 calculating Hessian matrix 121 of 121
Iteration 14 mu: 1.0168e-04

!!!d!!!

6.69866
8.48803
6.18109
3.76953
0.86111
5.74731
0.68185
-2.97544
-1.73481
-12.24102
-9.51125

!!!Was!!!

-4.4751
-5.6508
-1.1745
3.8458
7.4107
5.8684
13.9228
16.9989
19.2550
31.0705
17.7465

!!!Now!!!

-11.173726
-14.138849
-7.355586

0.076237
6.549593
0.121082
13.240966
19.974363
20.989856
43.311477
27.257738

All OK, reducing mu

!!!Result!!!

-11.173726
-14.138849
-7.355586
0.076237
6.549593
0.121082
13.240966
19.974363
20.989856
43.311477
27.257738

!!!Ans!!!

0.11299

Grad wt

-11.173726
-14.138849
-7.355586
0.076237
6.549593
0.121082
13.240966
19.974363
20.989856
43.311477
27.257738
-11.173726
-14.138849
-7.355586
0.076237
6.549593
0.121082
13.240966
19.974363
20.989856
43.311477
27.257738

Iteration 14 calculating gradient 1 of 11

Iteration 14 calculating gradient 2 of 11

Iteration 14 calculating gradient 3 of 11

Iteration 14 calculating gradient 4 of 11
Iteration 14 calculating gradient 5 of 11
Iteration 14 calculating gradient 6 of 11
Iteration 14 calculating gradient 7 of 11
Iteration 14 calculating gradient 8 of 11
Iteration 14 calculating gradient 9 of 11
Iteration 14 calculating gradient 10 of 11
Iteration 14 calculating gradient 11 of 11
Gradient euclidean norm

0.0022411

Iteration 15 calculating Hessian matrix 1 of 121
Iteration 15 calculating Hessian matrix 2 of 121
Iteration 15 calculating Hessian matrix 3 of 121
Iteration 15 calculating Hessian matrix 4 of 121
Iteration 15 calculating Hessian matrix 5 of 121
Iteration 15 calculating Hessian matrix 6 of 121
Iteration 15 calculating Hessian matrix 7 of 121
Iteration 15 calculating Hessian matrix 8 of 121
Iteration 15 calculating Hessian matrix 9 of 121
Iteration 15 calculating Hessian matrix 10 of 121
Iteration 15 calculating Hessian matrix 11 of 121
Iteration 15 calculating Hessian matrix 12 of 121
Iteration 15 calculating Hessian matrix 13 of 121
Iteration 15 calculating Hessian matrix 14 of 121
Iteration 15 calculating Hessian matrix 15 of 121
Iteration 15 calculating Hessian matrix 16 of 121
Iteration 15 calculating Hessian matrix 17 of 121
Iteration 15 calculating Hessian matrix 18 of 121
Iteration 15 calculating Hessian matrix 19 of 121
Iteration 15 calculating Hessian matrix 20 of 121
Iteration 15 calculating Hessian matrix 21 of 121
Iteration 15 calculating Hessian matrix 22 of 121
Iteration 15 calculating Hessian matrix 23 of 121
Iteration 15 calculating Hessian matrix 24 of 121
Iteration 15 calculating Hessian matrix 25 of 121
Iteration 15 calculating Hessian matrix 26 of 121
Iteration 15 calculating Hessian matrix 27 of 121
Iteration 15 calculating Hessian matrix 28 of 121
Iteration 15 calculating Hessian matrix 29 of 121
Iteration 15 calculating Hessian matrix 30 of 121
Iteration 15 calculating Hessian matrix 31 of 121
Iteration 15 calculating Hessian matrix 32 of 121
Iteration 15 calculating Hessian matrix 33 of 121
Iteration 15 calculating Hessian matrix 34 of 121
Iteration 15 calculating Hessian matrix 35 of 121
Iteration 15 calculating Hessian matrix 36 of 121
Iteration 15 calculating Hessian matrix 37 of 121
Iteration 15 calculating Hessian matrix 38 of 121
Iteration 15 calculating Hessian matrix 39 of 121

[illegible]

Iteration 15 calculating Hessian matrix 89 of 121
Iteration 15 calculating Hessian matrix 90 of 121
Iteration 15 calculating Hessian matrix 91 of 121
Iteration 15 calculating Hessian matrix 92 of 121
Iteration 15 calculating Hessian matrix 93 of 121
Iteration 15 calculating Hessian matrix 94 of 121
Iteration 15 calculating Hessian matrix 95 of 121
Iteration 15 calculating Hessian matrix 96 of 121
Iteration 15 calculating Hessian matrix 97 of 121
Iteration 15 calculating Hessian matrix 98 of 121
Iteration 15 calculating Hessian matrix 99 of 121
Iteration 15 calculating Hessian matrix 100 of 121
Iteration 15 calculating Hessian matrix 101 of 121
Iteration 15 calculating Hessian matrix 102 of 121
Iteration 15 calculating Hessian matrix 103 of 121
Iteration 15 calculating Hessian matrix 104 of 121
Iteration 15 calculating Hessian matrix 105 of 121
Iteration 15 calculating Hessian matrix 106 of 121
Iteration 15 calculating Hessian matrix 107 of 121
Iteration 15 calculating Hessian matrix 108 of 121
Iteration 15 calculating Hessian matrix 109 of 121
Iteration 15 calculating Hessian matrix 110 of 121
Iteration 15 calculating Hessian matrix 111 of 121
Iteration 15 calculating Hessian matrix 112 of 121
Iteration 15 calculating Hessian matrix 113 of 121
Iteration 15 calculating Hessian matrix 114 of 121
Iteration 15 calculating Hessian matrix 115 of 121
Iteration 15 calculating Hessian matrix 116 of 121
Iteration 15 calculating Hessian matrix 117 of 121
Iteration 15 calculating Hessian matrix 118 of 121
Iteration 15 calculating Hessian matrix 119 of 121
Iteration 15 calculating Hessian matrix 120 of 121
Iteration 15 calculating Hessian matrix 121 of 121
Iteration 15 mu: 5.0842e-05

!!!d!!!

10.03155

11.72141

8.09859

5.00648

-1.65123

6.87195

0.63011

-2.73831

-0.56921

-15.81598

-13.70106

!!!Was!!!

-11.173726

-14.138849

-7.355586
0.076237
6.549593
0.121082
13.240966
19.974363
20.989856
43.311477
27.257738

!!!Now!!!

-21.2053
-25.8603
-15.4542
-4.9302
8.2008
-6.7509
12.6109
22.7127
21.5591
59.1275
40.9588

All OK, reducing mu

!!!Result!!!

-21.2053
-25.8603
-15.4542
-4.9302
8.2008
-6.7509
12.6109
22.7127
21.5591
59.1275
40.9588

!!!Ans!!!

0.059799

Grad wt

-21.2053
-25.8603
-15.4542
-4.9302
8.2008
-6.7509
12.6109
22.7127
21.5591
59.1275
40.9588
-21.2053

-25.8603
-15.4542
-4.9302
8.2008
-6.7509
12.6109
22.7127
21.5591
59.1275
40.9588

Iteration 15 calculating gradient 1 of 11
Iteration 15 calculating gradient 2 of 11
Iteration 15 calculating gradient 3 of 11
Iteration 15 calculating gradient 4 of 11
Iteration 15 calculating gradient 5 of 11
Iteration 15 calculating gradient 6 of 11
Iteration 15 calculating gradient 7 of 11
Iteration 15 calculating gradient 8 of 11
Iteration 15 calculating gradient 9 of 11
Iteration 15 calculating gradient 10 of 11
Iteration 15 calculating gradient 11 of 11
Gradient euclidean norm

0.0014899

Iteration 16 calculating Hessian matrix 1 of 121
Iteration 16 calculating Hessian matrix 2 of 121
Iteration 16 calculating Hessian matrix 3 of 121
Iteration 16 calculating Hessian matrix 4 of 121
Iteration 16 calculating Hessian matrix 5 of 121
Iteration 16 calculating Hessian matrix 6 of 121
Iteration 16 calculating Hessian matrix 7 of 121
Iteration 16 calculating Hessian matrix 8 of 121
Iteration 16 calculating Hessian matrix 9 of 121
Iteration 16 calculating Hessian matrix 10 of 121
Iteration 16 calculating Hessian matrix 11 of 121
Iteration 16 calculating Hessian matrix 12 of 121
Iteration 16 calculating Hessian matrix 13 of 121
Iteration 16 calculating Hessian matrix 14 of 121
Iteration 16 calculating Hessian matrix 15 of 121
Iteration 16 calculating Hessian matrix 16 of 121
Iteration 16 calculating Hessian matrix 17 of 121
Iteration 16 calculating Hessian matrix 18 of 121
Iteration 16 calculating Hessian matrix 19 of 121
Iteration 16 calculating Hessian matrix 20 of 121
Iteration 16 calculating Hessian matrix 21 of 121
Iteration 16 calculating Hessian matrix 22 of 121
Iteration 16 calculating Hessian matrix 23 of 121
Iteration 16 calculating Hessian matrix 24 of 121
Iteration 16 calculating Hessian matrix 25 of 121
Iteration 16 calculating Hessian matrix 26 of 121

[illegible]

Iteration 16 calculating Hessian matrix 76 of 121
Iteration 16 calculating Hessian matrix 77 of 121
Iteration 16 calculating Hessian matrix 78 of 121
Iteration 16 calculating Hessian matrix 79 of 121
Iteration 16 calculating Hessian matrix 80 of 121
Iteration 16 calculating Hessian matrix 81 of 121
Iteration 16 calculating Hessian matrix 82 of 121
Iteration 16 calculating Hessian matrix 83 of 121
Iteration 16 calculating Hessian matrix 84 of 121
Iteration 16 calculating Hessian matrix 85 of 121
Iteration 16 calculating Hessian matrix 86 of 121
Iteration 16 calculating Hessian matrix 87 of 121
Iteration 16 calculating Hessian matrix 88 of 121
Iteration 16 calculating Hessian matrix 89 of 121
Iteration 16 calculating Hessian matrix 90 of 121
Iteration 16 calculating Hessian matrix 91 of 121
Iteration 16 calculating Hessian matrix 92 of 121
Iteration 16 calculating Hessian matrix 93 of 121
Iteration 16 calculating Hessian matrix 94 of 121
Iteration 16 calculating Hessian matrix 95 of 121
Iteration 16 calculating Hessian matrix 96 of 121
Iteration 16 calculating Hessian matrix 97 of 121
Iteration 16 calculating Hessian matrix 98 of 121
Iteration 16 calculating Hessian matrix 99 of 121
Iteration 16 calculating Hessian matrix 100 of 121
Iteration 16 calculating Hessian matrix 101 of 121
Iteration 16 calculating Hessian matrix 102 of 121
Iteration 16 calculating Hessian matrix 103 of 121
Iteration 16 calculating Hessian matrix 104 of 121
Iteration 16 calculating Hessian matrix 105 of 121
Iteration 16 calculating Hessian matrix 106 of 121
Iteration 16 calculating Hessian matrix 107 of 121
Iteration 16 calculating Hessian matrix 108 of 121
Iteration 16 calculating Hessian matrix 109 of 121
Iteration 16 calculating Hessian matrix 110 of 121
Iteration 16 calculating Hessian matrix 111 of 121
Iteration 16 calculating Hessian matrix 112 of 121
Iteration 16 calculating Hessian matrix 113 of 121
Iteration 16 calculating Hessian matrix 114 of 121
Iteration 16 calculating Hessian matrix 115 of 121
Iteration 16 calculating Hessian matrix 116 of 121
Iteration 16 calculating Hessian matrix 117 of 121
Iteration 16 calculating Hessian matrix 118 of 121
Iteration 16 calculating Hessian matrix 119 of 121
Iteration 16 calculating Hessian matrix 120 of 121
Iteration 16 calculating Hessian matrix 121 of 121

Iteration 16 mu: 2.5421e-05

!!!d!!!

13.66065

15.34167
7.64132
3.14125
-7.65484
5.50504
0.89786
-1.21216
3.26905
-15.94702
-14.73112

!!!Was!!!

-21.2053
-25.8603
-15.4542
-4.9302
8.2008
-6.7509
12.6109
22.7127
21.5591
59.1275
40.9588

!!!Now!!!

-34.8659
-41.2019
-23.0955
-8.0715
15.8557
-12.2559
11.7130
23.9248
18.2900
75.0745
55.6899

All OK, reducing mu

!!!Result!!!

-34.8659
-41.2019
-23.0955
-8.0715
15.8557
-12.2559
11.7130
23.9248
18.2900
75.0745
55.6899

!!!Ans!!!

0.023317

Grad wt

-34.8659
-41.2019
-23.0955
-8.0715
15.8557
-12.2559
11.7130
23.9248
18.2900
75.0745
55.6899
-34.8659
-41.2019
-23.0955
-8.0715
15.8557
-12.2559
11.7130
23.9248
18.2900
75.0745
55.6899

Iteration 16 calculating gradient 1 of 11

Iteration 16 calculating gradient 2 of 11

Iteration 16 calculating gradient 3 of 11

Iteration 16 calculating gradient 4 of 11

Iteration 16 calculating gradient 5 of 11

Iteration 16 calculating gradient 6 of 11

Iteration 16 calculating gradient 7 of 11

Iteration 16 calculating gradient 8 of 11

Iteration 16 calculating gradient 9 of 11

Iteration 16 calculating gradient 10 of 11

Iteration 16 calculating gradient 11 of 11

Gradient euclidean norm

8.0195e-04

Iteration 17 calculating Hessian matrix 1 of 121

Iteration 17 calculating Hessian matrix 2 of 121

Iteration 17 calculating Hessian matrix 3 of 121

Iteration 17 calculating Hessian matrix 4 of 121

Iteration 17 calculating Hessian matrix 5 of 121

Iteration 17 calculating Hessian matrix 6 of 121

Iteration 17 calculating Hessian matrix 7 of 121

Iteration 17 calculating Hessian matrix 8 of 121

Iteration 17 calculating Hessian matrix 9 of 121

Iteration 17 calculating Hessian matrix 10 of 121

Iteration 17 calculating Hessian matrix 11 of 121

Iteration 17 calculating Hessian matrix 12 of 121

Iteration 17 calculating Hessian matrix 13 of 121

[illegible]

[illegible]

Iteration 17 calculating Hessian matrix 112 of 121
Iteration 17 calculating Hessian matrix 113 of 121
Iteration 17 calculating Hessian matrix 114 of 121
Iteration 17 calculating Hessian matrix 115 of 121
Iteration 17 calculating Hessian matrix 116 of 121
Iteration 17 calculating Hessian matrix 117 of 121
Iteration 17 calculating Hessian matrix 118 of 121
Iteration 17 calculating Hessian matrix 119 of 121
Iteration 17 calculating Hessian matrix 120 of 121
Iteration 17 calculating Hessian matrix 121 of 121
Iteration 17 mu: 1.2711e-05

!!!d!!!

12.45512
12.92260
6.31684
0.20876
-9.82540
0.91997
1.15921
1.12878
6.31296
-11.50038
-12.49761

!!!Was!!!

-34.8659
-41.2019
-23.0955
-8.0715
15.8557
-12.2559
11.7130
23.9248
18.2900
75.0745
55.6899

!!!Now!!!

-47.3210
-54.1245
-29.4123
-8.2802
25.6811
-13.1759
10.5538
22.7961
11.9771
86.5749
68.1875

All OK, reducing mu

!!!Result!!!

-47.3210
-54.1245
-29.4123
-8.2802
25.6811
-13.1759
10.5538
22.7961
11.9771
86.5749
68.1875

!!!Ans!!!

0.0075096

Grad wt

-47.3210
-54.1245
-29.4123
-8.2802
25.6811
-13.1759
10.5538
22.7961
11.9771
86.5749
68.1875
-47.3210
-54.1245
-29.4123
-8.2802
25.6811
-13.1759
10.5538
22.7961
11.9771
86.5749
68.1875

Iteration 17 calculating gradient 1 of 11

Iteration 17 calculating gradient 2 of 11

Iteration 17 calculating gradient 3 of 11

Iteration 17 calculating gradient 4 of 11

Iteration 17 calculating gradient 5 of 11

Iteration 17 calculating gradient 6 of 11

Iteration 17 calculating gradient 7 of 11

Iteration 17 calculating gradient 8 of 11

Iteration 17 calculating gradient 9 of 11

Iteration 17 calculating gradient 10 of 11

Iteration 17 calculating gradient 11 of 11

Gradient euclidean norm

3.5643e-04

[illegible]

[illegible]

Iteration 18 calculating Hessian matrix 99 of 121
Iteration 18 calculating Hessian matrix 100 of 121
Iteration 18 calculating Hessian matrix 101 of 121
Iteration 18 calculating Hessian matrix 102 of 121
Iteration 18 calculating Hessian matrix 103 of 121
Iteration 18 calculating Hessian matrix 104 of 121
Iteration 18 calculating Hessian matrix 105 of 121
Iteration 18 calculating Hessian matrix 106 of 121
Iteration 18 calculating Hessian matrix 107 of 121
Iteration 18 calculating Hessian matrix 108 of 121
Iteration 18 calculating Hessian matrix 109 of 121
Iteration 18 calculating Hessian matrix 110 of 121
Iteration 18 calculating Hessian matrix 111 of 121
Iteration 18 calculating Hessian matrix 112 of 121
Iteration 18 calculating Hessian matrix 113 of 121
Iteration 18 calculating Hessian matrix 114 of 121
Iteration 18 calculating Hessian matrix 115 of 121
Iteration 18 calculating Hessian matrix 116 of 121
Iteration 18 calculating Hessian matrix 117 of 121
Iteration 18 calculating Hessian matrix 118 of 121
Iteration 18 calculating Hessian matrix 119 of 121
Iteration 18 calculating Hessian matrix 120 of 121
Iteration 18 calculating Hessian matrix 121 of 121
Iteration 18 mu: 6.3553e-06

!!!d!!!

7.63831
8.08289
3.92086
-0.77924
-8.52458
-1.36300
0.20232
2.88801
6.02656
-6.37875
-7.43880

!!!Was!!!

-47.3210
-54.1245
-29.4123
-8.2802
25.6811
-13.1759
10.5538
22.7961
11.9771
86.5749
68.1875

!!!Now!!!

-54.9593
-62.2074
-33.3332
-7.5010
34.2056
-11.8129
10.3515
19.9080
5.9505
92.9536
75.6263

All OK, reducing mu

!!!Result!!!

-54.9593
-62.2074
-33.3332
-7.5010
34.2056
-11.8129
10.3515
19.9080
5.9505
92.9536
75.6263

!!!Ans!!!

0.0030879

Grad wt

-54.9593
-62.2074
-33.3332
-7.5010
34.2056
-11.8129
10.3515
19.9080
5.9505
92.9536
75.6263
-54.9593
-62.2074
-33.3332
-7.5010
34.2056
-11.8129
10.3515
19.9080
5.9505
92.9536
75.6263

Iteration 18 calculating gradient 1 of 11
Iteration 18 calculating gradient 2 of 11
Iteration 18 calculating gradient 3 of 11
Iteration 18 calculating gradient 4 of 11
Iteration 18 calculating gradient 5 of 11
Iteration 18 calculating gradient 6 of 11
Iteration 18 calculating gradient 7 of 11
Iteration 18 calculating gradient 8 of 11
Iteration 18 calculating gradient 9 of 11
Iteration 18 calculating gradient 10 of 11
Iteration 18 calculating gradient 11 of 11
Gradient euclidean norm

1.2340e-04

Iteration 19 calculating Hessian matrix 1 of 121
Iteration 19 calculating Hessian matrix 2 of 121
Iteration 19 calculating Hessian matrix 3 of 121
Iteration 19 calculating Hessian matrix 4 of 121
Iteration 19 calculating Hessian matrix 5 of 121
Iteration 19 calculating Hessian matrix 6 of 121
Iteration 19 calculating Hessian matrix 7 of 121
Iteration 19 calculating Hessian matrix 8 of 121
Iteration 19 calculating Hessian matrix 9 of 121
Iteration 19 calculating Hessian matrix 10 of 121
Iteration 19 calculating Hessian matrix 11 of 121
Iteration 19 calculating Hessian matrix 12 of 121
Iteration 19 calculating Hessian matrix 13 of 121
Iteration 19 calculating Hessian matrix 14 of 121
Iteration 19 calculating Hessian matrix 15 of 121
Iteration 19 calculating Hessian matrix 16 of 121
Iteration 19 calculating Hessian matrix 17 of 121
Iteration 19 calculating Hessian matrix 18 of 121
Iteration 19 calculating Hessian matrix 19 of 121
Iteration 19 calculating Hessian matrix 20 of 121
Iteration 19 calculating Hessian matrix 21 of 121
Iteration 19 calculating Hessian matrix 22 of 121
Iteration 19 calculating Hessian matrix 23 of 121
Iteration 19 calculating Hessian matrix 24 of 121
Iteration 19 calculating Hessian matrix 25 of 121
Iteration 19 calculating Hessian matrix 26 of 121
Iteration 19 calculating Hessian matrix 27 of 121
Iteration 19 calculating Hessian matrix 28 of 121
Iteration 19 calculating Hessian matrix 29 of 121
Iteration 19 calculating Hessian matrix 30 of 121
Iteration 19 calculating Hessian matrix 31 of 121
Iteration 19 calculating Hessian matrix 32 of 121
Iteration 19 calculating Hessian matrix 33 of 121
Iteration 19 calculating Hessian matrix 34 of 121
Iteration 19 calculating Hessian matrix 35 of 121
Iteration 19 calculating Hessian matrix 36 of 121

[illegible]

Iteration 19 calculating Hessian matrix 86 of 121
Iteration 19 calculating Hessian matrix 87 of 121
Iteration 19 calculating Hessian matrix 88 of 121
Iteration 19 calculating Hessian matrix 89 of 121
Iteration 19 calculating Hessian matrix 90 of 121
Iteration 19 calculating Hessian matrix 91 of 121
Iteration 19 calculating Hessian matrix 92 of 121
Iteration 19 calculating Hessian matrix 93 of 121
Iteration 19 calculating Hessian matrix 94 of 121
Iteration 19 calculating Hessian matrix 95 of 121
Iteration 19 calculating Hessian matrix 96 of 121
Iteration 19 calculating Hessian matrix 97 of 121
Iteration 19 calculating Hessian matrix 98 of 121
Iteration 19 calculating Hessian matrix 99 of 121
Iteration 19 calculating Hessian matrix 100 of 121
Iteration 19 calculating Hessian matrix 101 of 121
Iteration 19 calculating Hessian matrix 102 of 121
Iteration 19 calculating Hessian matrix 103 of 121
Iteration 19 calculating Hessian matrix 104 of 121
Iteration 19 calculating Hessian matrix 105 of 121
Iteration 19 calculating Hessian matrix 106 of 121
Iteration 19 calculating Hessian matrix 107 of 121
Iteration 19 calculating Hessian matrix 108 of 121
Iteration 19 calculating Hessian matrix 109 of 121
Iteration 19 calculating Hessian matrix 110 of 121
Iteration 19 calculating Hessian matrix 111 of 121
Iteration 19 calculating Hessian matrix 112 of 121
Iteration 19 calculating Hessian matrix 113 of 121
Iteration 19 calculating Hessian matrix 114 of 121
Iteration 19 calculating Hessian matrix 115 of 121
Iteration 19 calculating Hessian matrix 116 of 121
Iteration 19 calculating Hessian matrix 117 of 121
Iteration 19 calculating Hessian matrix 118 of 121
Iteration 19 calculating Hessian matrix 119 of 121
Iteration 19 calculating Hessian matrix 120 of 121
Iteration 19 calculating Hessian matrix 121 of 121
Iteration 19 mu: 3.1776e-06

!!!d!!!

2.868934
2.846895
2.272674
-0.059052
-4.039096
-1.778667
-0.158545
2.484136
3.359781
-2.953244
-3.443669

!!!Was!!!

-54.9593

-62.2074

-33.3332

-7.5010

34.2056

-11.8129

10.3515

19.9080

5.9505

92.9536

75.6263

!!!Now!!!

-57.8283

-65.0543

-35.6059

-7.4420

38.2447

-10.0342

10.5100

17.4239

2.5907

95.9069

79.0700

All OK, reducing mu

!!!Result!!!

-57.8283

-65.0543

-35.6059

-7.4420

38.2447

-10.0342

10.5100

17.4239

2.5907

95.9069

79.0700

!!!Ans!!!

0.0024297

Grad wt

-57.8283

-65.0543

-35.6059

-7.4420

38.2447

-10.0342

10.5100

17.4239

2.5907

95.9069
79.0700
-57.8283
-65.0543
-35.6059
-7.4420
38.2447
-10.0342
10.5100
17.4239
2.5907
95.9069
79.0700
Iteration 19 calculating gradient 1 of 11
Iteration 19 calculating gradient 2 of 11
Iteration 19 calculating gradient 3 of 11
Iteration 19 calculating gradient 4 of 11
Iteration 19 calculating gradient 5 of 11
Iteration 19 calculating gradient 6 of 11
Iteration 19 calculating gradient 7 of 11
Iteration 19 calculating gradient 8 of 11
Iteration 19 calculating gradient 9 of 11
Iteration 19 calculating gradient 10 of 11
Iteration 19 calculating gradient 11 of 11
Gradient euclidean norm
2.8317e-05
Iteration 20 calculating Hessian matrix 1 of 121
Iteration 20 calculating Hessian matrix 2 of 121
Iteration 20 calculating Hessian matrix 3 of 121
Iteration 20 calculating Hessian matrix 4 of 121
Iteration 20 calculating Hessian matrix 5 of 121
Iteration 20 calculating Hessian matrix 6 of 121
Iteration 20 calculating Hessian matrix 7 of 121
Iteration 20 calculating Hessian matrix 8 of 121
Iteration 20 calculating Hessian matrix 9 of 121
Iteration 20 calculating Hessian matrix 10 of 121
Iteration 20 calculating Hessian matrix 11 of 121
Iteration 20 calculating Hessian matrix 12 of 121
Iteration 20 calculating Hessian matrix 13 of 121
Iteration 20 calculating Hessian matrix 14 of 121
Iteration 20 calculating Hessian matrix 15 of 121
Iteration 20 calculating Hessian matrix 16 of 121
Iteration 20 calculating Hessian matrix 17 of 121
Iteration 20 calculating Hessian matrix 18 of 121
Iteration 20 calculating Hessian matrix 19 of 121
Iteration 20 calculating Hessian matrix 20 of 121
Iteration 20 calculating Hessian matrix 21 of 121
Iteration 20 calculating Hessian matrix 22 of 121
Iteration 20 calculating Hessian matrix 23 of 121

[illegible]

[illegible]

Iteration 20 mu: 1.5888e-06

!!!d!!!

0.52258

0.19814

1.02752

0.37114

-1.08628

-0.88264

-0.33593

1.39901

1.00642

-0.97257

-1.08993

!!!Was!!!

-57.8283

-65.0543

-35.6059

-7.4420

38.2447

-10.0342

10.5100

17.4239

2.5907

95.9069

79.0700

!!!Now!!!

-58.3509

-65.2525

-36.6334

-7.8131

39.3310

-9.1516

10.8459

16.0249

1.5843

96.8794

80.1599

All OK, reducing mu

!!!Result!!!

-58.3509

-65.2525

-36.6334

-7.8131

39.3310

-9.1516

10.8459

16.0249

1.5843

96.8794

80.1599
!!!Ans!!!
0.0023851
Grad wt
-58.3509
-65.2525
-36.6334
-7.8131
39.3310
-9.1516
10.8459
16.0249
1.5843
96.8794
80.1599
-58.3509
-65.2525
-36.6334
-7.8131
39.3310
-9.1516
10.8459
16.0249
1.5843
96.8794
80.1599

Iteration 20 calculating gradient 1 of 11
Iteration 20 calculating gradient 2 of 11
Iteration 20 calculating gradient 3 of 11
Iteration 20 calculating gradient 4 of 11
Iteration 20 calculating gradient 5 of 11
Iteration 20 calculating gradient 6 of 11
Iteration 20 calculating gradient 7 of 11
Iteration 20 calculating gradient 8 of 11
Iteration 20 calculating gradient 9 of 11
Iteration 20 calculating gradient 10 of 11
Iteration 20 calculating gradient 11 of 11

Gradient euclidean norm

4.5864e-06

Iteration 21 calculating Hessian matrix 1 of 121
Iteration 21 calculating Hessian matrix 2 of 121
Iteration 21 calculating Hessian matrix 3 of 121
Iteration 21 calculating Hessian matrix 4 of 121
Iteration 21 calculating Hessian matrix 5 of 121
Iteration 21 calculating Hessian matrix 6 of 121
Iteration 21 calculating Hessian matrix 7 of 121
Iteration 21 calculating Hessian matrix 8 of 121
Iteration 21 calculating Hessian matrix 9 of 121
Iteration 21 calculating Hessian matrix 10 of 121

[illegible]

[illegible]

Iteration 21 calculating Hessian matrix 109 of 121
Iteration 21 calculating Hessian matrix 110 of 121
Iteration 21 calculating Hessian matrix 111 of 121
Iteration 21 calculating Hessian matrix 112 of 121
Iteration 21 calculating Hessian matrix 113 of 121
Iteration 21 calculating Hessian matrix 114 of 121
Iteration 21 calculating Hessian matrix 115 of 121
Iteration 21 calculating Hessian matrix 116 of 121
Iteration 21 calculating Hessian matrix 117 of 121
Iteration 21 calculating Hessian matrix 118 of 121
Iteration 21 calculating Hessian matrix 119 of 121
Iteration 21 calculating Hessian matrix 120 of 121
Iteration 21 calculating Hessian matrix 121 of 121
Iteration 21 mu: 7.9441e-07

!!!d!!!

0.4265665
-0.5105878
0.5593031
0.0948100
-0.2088398
-0.0833692
-0.3948001
0.6960883
0.0070646
-0.1833230
-0.1776638

!!!Was!!!

-58.3509
-65.2525
-36.6334
-7.8131
39.3310
-9.1516
10.8459
16.0249
1.5843
96.8794
80.1599

!!!Now!!!

-58.7774
-64.7419
-37.1927
-7.9079
39.5399
-9.0682
11.2407
15.3288
1.5772
97.0628

80.3376
All OK, reducing mu

!!!Result!!!

-58.7774
-64.7419
-37.1927
-7.9079
39.5399
-9.0682
11.2407
15.3288
1.5772
97.0628
80.3376

!!!Ans!!!

0.0023826

Grad wt

-58.7774
-64.7419
-37.1927
-7.9079
39.5399
-9.0682
11.2407
15.3288
1.5772
97.0628
80.3376
-58.7774
-64.7419
-37.1927
-7.9079
39.5399
-9.0682
11.2407
15.3288
1.5772
97.0628
80.3376

Iteration 21 calculating gradient 1 of 11
Iteration 21 calculating gradient 2 of 11
Iteration 21 calculating gradient 3 of 11
Iteration 21 calculating gradient 4 of 11
Iteration 21 calculating gradient 5 of 11
Iteration 21 calculating gradient 6 of 11
Iteration 21 calculating gradient 7 of 11
Iteration 21 calculating gradient 8 of 11
Iteration 21 calculating gradient 9 of 11
Iteration 21 calculating gradient 10 of 11

Iteration 21 calculating gradient 11 of 11
Gradient euclidean norm

9.6278e-07

Iteration 22 calculating Hessian matrix 1 of 121
Iteration 22 calculating Hessian matrix 2 of 121
Iteration 22 calculating Hessian matrix 3 of 121
Iteration 22 calculating Hessian matrix 4 of 121
Iteration 22 calculating Hessian matrix 5 of 121
Iteration 22 calculating Hessian matrix 6 of 121
Iteration 22 calculating Hessian matrix 7 of 121
Iteration 22 calculating Hessian matrix 8 of 121
Iteration 22 calculating Hessian matrix 9 of 121
Iteration 22 calculating Hessian matrix 10 of 121
Iteration 22 calculating Hessian matrix 11 of 121
Iteration 22 calculating Hessian matrix 12 of 121
Iteration 22 calculating Hessian matrix 13 of 121
Iteration 22 calculating Hessian matrix 14 of 121
Iteration 22 calculating Hessian matrix 15 of 121
Iteration 22 calculating Hessian matrix 16 of 121
Iteration 22 calculating Hessian matrix 17 of 121
Iteration 22 calculating Hessian matrix 18 of 121
Iteration 22 calculating Hessian matrix 19 of 121
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Iteration 22 calculating Hessian matrix 25 of 121
Iteration 22 calculating Hessian matrix 26 of 121
Iteration 22 calculating Hessian matrix 27 of 121
Iteration 22 calculating Hessian matrix 28 of 121
Iteration 22 calculating Hessian matrix 29 of 121
Iteration 22 calculating Hessian matrix 30 of 121
Iteration 22 calculating Hessian matrix 31 of 121
Iteration 22 calculating Hessian matrix 32 of 121
Iteration 22 calculating Hessian matrix 33 of 121
Iteration 22 calculating Hessian matrix 34 of 121
Iteration 22 calculating Hessian matrix 35 of 121
Iteration 22 calculating Hessian matrix 36 of 121
Iteration 22 calculating Hessian matrix 37 of 121
Iteration 22 calculating Hessian matrix 38 of 121
Iteration 22 calculating Hessian matrix 39 of 121
Iteration 22 calculating Hessian matrix 40 of 121
Iteration 22 calculating Hessian matrix 41 of 121
Iteration 22 calculating Hessian matrix 42 of 121
Iteration 22 calculating Hessian matrix 43 of 121
Iteration 22 calculating Hessian matrix 44 of 121
Iteration 22 calculating Hessian matrix 45 of 121
Iteration 22 calculating Hessian matrix 46 of 121

[illegible]

Iteration 22 calculating Hessian matrix 96 of 121
Iteration 22 calculating Hessian matrix 97 of 121
Iteration 22 calculating Hessian matrix 98 of 121
Iteration 22 calculating Hessian matrix 99 of 121
Iteration 22 calculating Hessian matrix 100 of 121
Iteration 22 calculating Hessian matrix 101 of 121
Iteration 22 calculating Hessian matrix 102 of 121
Iteration 22 calculating Hessian matrix 103 of 121
Iteration 22 calculating Hessian matrix 104 of 121
Iteration 22 calculating Hessian matrix 105 of 121
Iteration 22 calculating Hessian matrix 106 of 121
Iteration 22 calculating Hessian matrix 107 of 121
Iteration 22 calculating Hessian matrix 108 of 121
Iteration 22 calculating Hessian matrix 109 of 121
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Iteration 22 calculating Hessian matrix 111 of 121
Iteration 22 calculating Hessian matrix 112 of 121
Iteration 22 calculating Hessian matrix 113 of 121
Iteration 22 calculating Hessian matrix 114 of 121
Iteration 22 calculating Hessian matrix 115 of 121
Iteration 22 calculating Hessian matrix 116 of 121
Iteration 22 calculating Hessian matrix 117 of 121
Iteration 22 calculating Hessian matrix 118 of 121
Iteration 22 calculating Hessian matrix 119 of 121
Iteration 22 calculating Hessian matrix 120 of 121
Iteration 22 calculating Hessian matrix 121 of 121
Iteration 22 mu: 3.9721e-07

!!!d!!!

0.973950
-0.865488
0.599244
-0.184591
-0.185510
0.459746
-0.688223
0.717966
-0.484273
0.179273
0.050845

!!!Was!!!

-58.7774
-64.7419
-37.1927
-7.9079
39.5399
-9.0682
11.2407
15.3288
1.5772

97.0628
80.3376
!!!Now!!!
-59.7514
-63.8764
-37.7919
-7.7233
39.7254
-9.5280
11.9290
14.6108
2.0615
96.8835
80.2867

All OK, reducing mu

!!!Result!!!

-59.7514
-63.8764
-37.7919
-7.7233
39.7254
-9.5280
11.9290
14.6108
2.0615
96.8835
80.2867

!!!Ans!!!

0.0023812

Grad wt

-59.7514
-63.8764
-37.7919
-7.7233
39.7254
-9.5280
11.9290
14.6108
2.0615
96.8835
80.2867
-59.7514
-63.8764
-37.7919
-7.7233
39.7254
-9.5280
11.9290
14.6108

2.0615
96.8835
80.2867

Iteration 22 calculating gradient 1 of 11
Iteration 22 calculating gradient 2 of 11
Iteration 22 calculating gradient 3 of 11
Iteration 22 calculating gradient 4 of 11
Iteration 22 calculating gradient 5 of 11
Iteration 22 calculating gradient 6 of 11
Iteration 22 calculating gradient 7 of 11
Iteration 22 calculating gradient 8 of 11
Iteration 22 calculating gradient 9 of 11
Iteration 22 calculating gradient 10 of 11
Iteration 22 calculating gradient 11 of 11
Gradient euclidean norm

8.0419e-07

Iteration 23 calculating Hessian matrix 1 of 121
Iteration 23 calculating Hessian matrix 2 of 121
Iteration 23 calculating Hessian matrix 3 of 121
Iteration 23 calculating Hessian matrix 4 of 121
Iteration 23 calculating Hessian matrix 5 of 121
Iteration 23 calculating Hessian matrix 6 of 121
Iteration 23 calculating Hessian matrix 7 of 121
Iteration 23 calculating Hessian matrix 8 of 121
Iteration 23 calculating Hessian matrix 9 of 121
Iteration 23 calculating Hessian matrix 10 of 121
Iteration 23 calculating Hessian matrix 11 of 121
Iteration 23 calculating Hessian matrix 12 of 121
Iteration 23 calculating Hessian matrix 13 of 121
Iteration 23 calculating Hessian matrix 14 of 121
Iteration 23 calculating Hessian matrix 15 of 121
Iteration 23 calculating Hessian matrix 16 of 121
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Iteration 23 calculating Hessian matrix 18 of 121
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Iteration 23 calculating Hessian matrix 27 of 121
Iteration 23 calculating Hessian matrix 28 of 121
Iteration 23 calculating Hessian matrix 29 of 121
Iteration 23 calculating Hessian matrix 30 of 121
Iteration 23 calculating Hessian matrix 31 of 121
Iteration 23 calculating Hessian matrix 32 of 121
Iteration 23 calculating Hessian matrix 33 of 121

[illegible]

Iteration 23 calculating Hessian matrix 83 of 121
Iteration 23 calculating Hessian matrix 84 of 121
Iteration 23 calculating Hessian matrix 85 of 121
Iteration 23 calculating Hessian matrix 86 of 121
Iteration 23 calculating Hessian matrix 87 of 121
Iteration 23 calculating Hessian matrix 88 of 121
Iteration 23 calculating Hessian matrix 89 of 121
Iteration 23 calculating Hessian matrix 90 of 121
Iteration 23 calculating Hessian matrix 91 of 121
Iteration 23 calculating Hessian matrix 92 of 121
Iteration 23 calculating Hessian matrix 93 of 121
Iteration 23 calculating Hessian matrix 94 of 121
Iteration 23 calculating Hessian matrix 95 of 121
Iteration 23 calculating Hessian matrix 96 of 121
Iteration 23 calculating Hessian matrix 97 of 121
Iteration 23 calculating Hessian matrix 98 of 121
Iteration 23 calculating Hessian matrix 99 of 121
Iteration 23 calculating Hessian matrix 100 of 121
Iteration 23 calculating Hessian matrix 101 of 121
Iteration 23 calculating Hessian matrix 102 of 121
Iteration 23 calculating Hessian matrix 103 of 121
Iteration 23 calculating Hessian matrix 104 of 121
Iteration 23 calculating Hessian matrix 105 of 121
Iteration 23 calculating Hessian matrix 106 of 121
Iteration 23 calculating Hessian matrix 107 of 121
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Iteration 23 calculating Hessian matrix 112 of 121
Iteration 23 calculating Hessian matrix 113 of 121
Iteration 23 calculating Hessian matrix 114 of 121
Iteration 23 calculating Hessian matrix 115 of 121
Iteration 23 calculating Hessian matrix 116 of 121
Iteration 23 calculating Hessian matrix 117 of 121
Iteration 23 calculating Hessian matrix 118 of 121
Iteration 23 calculating Hessian matrix 119 of 121
Iteration 23 calculating Hessian matrix 120 of 121
Iteration 23 calculating Hessian matrix 121 of 121
Iteration 23 mu: 1.9860e-07

!!!d!!!

3.57985
-3.03921
2.10481
-1.10792
-0.13325
1.11657
-1.35284
0.91231

-0.10095
-1.32380
2.80816

!!!Was!!!

-59.7514
-63.8764
-37.7919
-7.7233
39.7254
-9.5280
11.9290
14.6108
2.0615
96.8835
80.2867

!!!Now!!!

-63.3312
-60.8372
-39.8967
-6.6154
39.8586
-10.6445
13.2818
13.6985
2.1624
98.2073
77.4786

All OK, reducing mu

!!!Result!!!

-63.3312
-60.8372
-39.8967
-6.6154
39.8586
-10.6445
13.2818
13.6985
2.1624
98.2073
77.4786

!!!Ans!!!

0.0023776

Grad wt

-63.3312
-60.8372
-39.8967
-6.6154
39.8586
-10.6445

13.2818
13.6985
2.1624
98.2073
77.4786
-63.3312
-60.8372
-39.8967
-6.6154
39.8586
-10.6445
13.2818
13.6985
2.1624
98.2073
77.4786
Iteration 23 calculating gradient 1 of 11
Iteration 23 calculating gradient 2 of 11
Iteration 23 calculating gradient 3 of 11
Iteration 23 calculating gradient 4 of 11
Iteration 23 calculating gradient 5 of 11
Iteration 23 calculating gradient 6 of 11
Iteration 23 calculating gradient 7 of 11
Iteration 23 calculating gradient 8 of 11
Iteration 23 calculating gradient 9 of 11
Iteration 23 calculating gradient 10 of 11
Iteration 23 calculating gradient 11 of 11
Gradient euclidean norm
9.4924e-07
Iteration 24 calculating Hessian matrix 1 of 121
Iteration 24 calculating Hessian matrix 2 of 121
Iteration 24 calculating Hessian matrix 3 of 121
Iteration 24 calculating Hessian matrix 4 of 121
Iteration 24 calculating Hessian matrix 5 of 121
Iteration 24 calculating Hessian matrix 6 of 121
Iteration 24 calculating Hessian matrix 7 of 121
Iteration 24 calculating Hessian matrix 8 of 121
Iteration 24 calculating Hessian matrix 9 of 121
Iteration 24 calculating Hessian matrix 10 of 121
Iteration 24 calculating Hessian matrix 11 of 121
Iteration 24 calculating Hessian matrix 12 of 121
Iteration 24 calculating Hessian matrix 13 of 121
Iteration 24 calculating Hessian matrix 14 of 121
Iteration 24 calculating Hessian matrix 15 of 121
Iteration 24 calculating Hessian matrix 16 of 121
Iteration 24 calculating Hessian matrix 17 of 121
Iteration 24 calculating Hessian matrix 18 of 121
Iteration 24 calculating Hessian matrix 19 of 121
Iteration 24 calculating Hessian matrix 20 of 121

[illegible]

[illegible]

Iteration 24 calculating Hessian matrix 119 of 121
Iteration 24 calculating Hessian matrix 120 of 121
Iteration 24 calculating Hessian matrix 121 of 121
Iteration 24 mu: 9.9301e-08

!!!d!!!

42.11477
-37.41303
28.95055
-18.06512
5.34340
5.61232
-12.69468
14.76230
-12.72838
6.63831
-0.94774

!!!Was!!!

-63.3312
-60.8372
-39.8967
-6.6154
39.8586
-10.6445
13.2818
13.6985
2.1624
98.2073
77.4786

!!!Now!!!

-105.4460
-23.4242
-68.8473
11.4497
34.5152
-16.2568
25.9765
-1.0638
14.8908
91.5690
78.4263

All OK, reducing mu

!!!Result!!!

-105.4460
-23.4242
-68.8473
11.4497
34.5152
-16.2568
25.9765

-1.0638
14.8908
91.5690
78.4263
!!!Ans!!!
0.0023351
Grad wt
-105.4460
-23.4242
-68.8473
11.4497
34.5152
-16.2568
25.9765
-1.0638
14.8908
91.5690
78.4263
-105.4460
-23.4242
-68.8473
11.4497
34.5152
-16.2568
25.9765
-1.0638
14.8908
91.5690
78.4263

Iteration 24 calculating gradient 1 of 11
Iteration 24 calculating gradient 2 of 11
Iteration 24 calculating gradient 3 of 11
Iteration 24 calculating gradient 4 of 11
Iteration 24 calculating gradient 5 of 11
Iteration 24 calculating gradient 6 of 11
Iteration 24 calculating gradient 7 of 11
Iteration 24 calculating gradient 8 of 11
Iteration 24 calculating gradient 9 of 11
Iteration 24 calculating gradient 10 of 11
Iteration 24 calculating gradient 11 of 11
Gradient euclidean norm

9.8174e-06

Iteration 25 calculating Hessian matrix 1 of 121
Iteration 25 calculating Hessian matrix 2 of 121
Iteration 25 calculating Hessian matrix 3 of 121
Iteration 25 calculating Hessian matrix 4 of 121
Iteration 25 calculating Hessian matrix 5 of 121
Iteration 25 calculating Hessian matrix 6 of 121
Iteration 25 calculating Hessian matrix 7 of 121

[illegible]

[illegible]

Iteration 25 calculating Hessian matrix 106 of 121
Iteration 25 calculating Hessian matrix 107 of 121
Iteration 25 calculating Hessian matrix 108 of 121
Iteration 25 calculating Hessian matrix 109 of 121
Iteration 25 calculating Hessian matrix 110 of 121
Iteration 25 calculating Hessian matrix 111 of 121
Iteration 25 calculating Hessian matrix 112 of 121
Iteration 25 calculating Hessian matrix 113 of 121
Iteration 25 calculating Hessian matrix 114 of 121
Iteration 25 calculating Hessian matrix 115 of 121
Iteration 25 calculating Hessian matrix 116 of 121
Iteration 25 calculating Hessian matrix 117 of 121
Iteration 25 calculating Hessian matrix 118 of 121
Iteration 25 calculating Hessian matrix 119 of 121