

hw4\_1\_sol  
initial values for parameters

ans = 1751 332  
ans = 1796 394  
ans = 1844 316  
n = 9  
n0 = 6  
r = 3  
c = 9  
u = 6  
sig0 = 0.015

wa = 3164.51679888735  
wd = 1

w =  
Columns 1 through 3  
3164.51679888735 3164.51679888735 3164.51679888735  
Columns 4 through 6  
3164.51679888735 3164.51679888735 1  
Columns 7 through 9  
1 1 1

B =  
Columns 1 through 3  
0.0166617078250521 0.00446295745313895 0  
-0.00609772758991831 -0.0121303624625102 -0.0105639802351338  
-0.0105639802351338 0.00766740500937127 0.00126498166574892  
0 0 0.00929899856938484  
0 0 0  
-0.258736085224083 0.965948051503245 0  
0.587395288899824 0.809300175817535 -0.587395288899824  
0 0 0.524097425664335  
0 0 0  
Columns 4 through 6  
0 0 0  
0.00766740500937127 0 0  
-0.0133898656674542 0.00929899856938484 0.00572246065808298  
0.00572246065808298 -0.00358174285212912 -0.020795225730848  
0 -0.00571725571725572 0.0150727650727651  
0 0 0  
-0.809300175817535 0 0  
-0.851658316704544 -0.524097425664335 0.851658316704544  
0 0.934997526317783 0.354654234120539

f =  
0.0378828531857565  
-0.0173569200809369  
6.98060727879479e-05  
-0.0159751381189166  
-0.0058393665673826  
0.42813216254298  
2.95139890117922  
-0.632974865157507  
0.928249677083294

del =  
2.02376820638273  
0.980681365720648  
-1.00545632145493  
-0.467927137059088  
0.986574469772107  
0.0086051454410434

B =  
Columns 1 through 3  
0.0165874017573673 0.00513238058327448 0  
-0.00543205876001424 -0.0128646289210911 -0.011155342997353  
-0.011155342997353 0.0077322483378166 0.00204467935650991  
0 0 0.00911066364084314  
0 0 0  
-0.295588324188565 0.955315415244303 0  
0.569673993509885 0.821870756943267 -0.569673993509885  
0 0 0.541949962039021

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                                hw4_1_out
Columns 4 through 6          0          0
                                0          0
                                0          0
0.0077322483378166          0          0
-0.0136073799679091          0.00911066364084314      0.00587513163009254
0.00587513163009254      -0.00322140309659138      -0.0211432362541246
                                0          0
                                0          0
-0.821870756943267          0          0
-0.840410755908028      -0.541949962039021      0.840410755908028
                                0          0
                                0.932998899232997      0.359879221447995
f =
-0.000474947330164177
-0.000726576656429057
0.000696618664188797
-0.000468694581618578
-0.000245165604668252
0.0468303430644568
0.0170772377220061
0.0257352946346998
0.00370932001932545
del =
-0.030092809455905
0.0365732196342834
0.00966371336911185
-0.0155036332881214
0.0028546993128709
0.00779372725894277
del =
1.61579925323747e-05
5.51528367289921e-06
-9.70368343976592e-06
-3.62235060835999e-06
-4.10798569623113e-06
-3.23061161015988e-06
del =
-7.61517644934641e-11
1.06184857271843e-10
-7.0016822584135e-10
2.47108642155579e-10
-3.24398004692254e-10
1.34609834398433e-10
del =
2.54178562322759e-14
4.32741388108915e-15
-1.07737465079897e-13
1.78566719502518e-14
3.59148626257022e-14
1.75417089254401e-14
adj. params
ans =
1752.99369155484          333.017260100745
ans =
1795.00419768753          393.516565607549
ans =
1844.98942506077          316.016395642223
residuals
v =
-0.00016355282123337
-0.000191788698847208
-0.000224476405168589
-0.00029161459819901
-0.000347332985243088
0.00299859676362128
-0.00307082122595492
0.00246875977078528
-0.00175359726705867
ang resids
v1s =
-33.7351909828671
v2s =
-39.5592588081021
v3s =
-46.3015822191438
v4s =
-60.1498285963437
v5s =
-71.6425709043912
diary off

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