```
>> IKinBodyIterates(b,m,t,theta',e,e)
Iteration :1
 Joint Vector
ans =

  -0.31430   2.63836   1.02771   8.89792   3.45045   4.71069


 SE(3) end - effector config:
ans =

   0.00088   0.81204  -0.58360  -0.69071
   0.00025  -0.58360  -0.81204   0.25700
  -1.00000   0.00057  -0.00072  -0.01472
   0.00000   0.00000   0.00000   1.00000

error twist V_b
ans =

  -0.62315186  -0.00052197  -0.00077616  -0.11467555   0.23345285   0.09243271


 angular error magnitude
ans =  0.62315

 linear error magnitude
ans =  0.27603
Iteration :2
 Joint Vector
ans =

   6.1674   2.3966   1.8712   2.0138   3.0290   4.7077


 SE(3) end - effector config:
ans =

  -0.00323   0.99999  -0.00319  -0.46530
  -0.00015  -0.00319  -0.99999   0.08182
  -0.99999  -0.00323   0.00016   0.05980
   0.00000   0.00000   0.00000   1.00000
```

```
error twist V_b
ans =

  -0.00318629   0.00015931   0.00323104  -0.04014667  -0.03478926  -0.01811909


 angular error magnitude
ans =  0.0045406

 linear error magnitude
ans =  0.056128
Iteration :3
 Joint Vector
ans =

   6.1381   2.5283   1.7345   2.0209   2.9965   4.7129


 SE(3) end - effector config:
ans =

   0.00001   1.00000  -0.00000  -0.49677
   0.00007  -0.00000  -1.00000   0.10074
  -1.00000   0.00001  -0.00007   0.10242
   0.00000   0.00000   0.00000   1.00000

error twist V_b
ans =

  -0.00000044605  -0.00006740513  -0.00000702293   0.00241970983  -0.00323095149   0.00073942519


 angular error magnitude
ans =  0.000067771

 linear error magnitude
ans =  0.0041038
Iteration :4
 Joint Vector
ans =

   6.1404   2.5261   1.7270   2.0301   2.9988   4.7124
```

```
Iteration :4
 Joint Vector
ans =

   6.1404   2.5261   1.7270   2.0301   2.9988   4.7124


 SE(3) end - effector config:
ans =

   0.00000   1.00000  -0.00000  -0.49999
   0.00000  -0.00000  -1.00000   0.09999
  -1.00000   0.00000  -0.00000   0.09998
   0.00000   0.00000   0.00000   1.00000

error twist V_b
ans =

  -0.000000015537  -0.000001050457  -0.000000153514  -0.000016096467  -0.000009234439  -0.000008175514


 angular error magnitude
ans =  0.0000010617

 linear error magnitude
ans =  0.000020278
ans =

   0.050000   1.893200   2.450000   5.270000   3.121770   1.784500
   5.965702   2.638363   1.027706   2.617923   3.450447   4.710693
   6.167400   2.396648   1.871231   2.013843   3.028993   4.707704
   6.138104   2.528305   1.734451   2.020895   2.996511   4.712857
   6.140418   2.526083   1.726972   2.030138   2.998825   4.712396
```