Initial guess:

2.72761, 1.03152, -2.52556, 0.38711, -0.37419, -0.46378

Iteration 0:

Joint Vector:

2.44392, 0.25097, -1.89536, 2.17875, -0.31641, -2.15318

SE(3) end−effector config:

0. -0.1025 0.1419 0.2221

0.1025 0. 0.4275 -0.1372

-0.1419 -0.4275 0. -0.0282

0. 0. 0. 0.

error twist V\_b:

-0.42753, 0.14193, 0.10254, 0.22213, -0.13722, -0.02815

angular error magnitude ||omega\_b||: 0.4619973857316125

linear error magnitude ||v\_b||: 0.26260688794250403

Iteration 1:

Joint Vector:

2.60547, 0.66237, -1.87888, 0.86548, -0.45637, -1.23481

SE(3) end−effector config:

0. 0.0263 -0.151 0.0069

-0.0263 0. 0.1054 -0.0038

0.151 -0.1054 0. -0.0164

0. 0. 0. 0.

error twist V\_b:

-0.10536, -0.15103, -0.02627, 0.00688, -0.00375, -0.01636

angular error magnitude ||omega\_b||: 0.18601106116395322

linear error magnitude ||v\_b||: 0.018141074596937427

Iteration 2:

Joint Vector:

2.58100, 0.62351, -1.72160, 1.16658, -0.52902, -1.64136

SE(3) end−effector config:

0. -0.012 0.0344 0.0099

0.012 0. 0.0328 -0.0014

-0.0344 -0.0328 0. 0.0005

0. 0. 0. 0.

error twist V\_b:

-0.03279, 0.03435, 0.01198, 0.00994, -0.00143, 0.00052

angular error magnitude ||omega\_b||: 0.04897794690427806

linear error magnitude ||v\_b||: 0.010052457699564383

Iteration 3:

Joint Vector:

2.58636, 0.64068, -1.73509, 1.09104, -0.55395, -1.56754

SE(3) end−effector config:

0.0000e+00 3.9640e-04 -1.7715e-03 1.6947e-04

-3.9640e-04 0.0000e+00 1.2784e-03 1.2565e-04

1.7715e-03 -1.2784e-03 0.0000e+00 -9.4167e-05

0.0000e+00 0.0000e+00 0.0000e+00 0.0000e+00

error twist V\_b:

-0.00128, -0.00177, -0.00040, 0.00017, 0.00013, -0.00009

angular error magnitude ||omega\_b||: 0.002220289205357204

linear error magnitude ||v\_b||: 0.0002310285563211743

Iteration 4:

Joint Vector:

2.58619, 0.64098, -1.73422, 1.09324, -0.55540, -1.57080

SE(3) end−effector config:

0.0000e+00 -1.4470e-06 4.4164e-06 7.6204e-07

1.4470e-06 0.0000e+00 2.8949e-06 -1.4048e-08

-4.4164e-06 -2.8949e-06 0.0000e+00 1.9006e-07

0.0000e+00 0.0000e+00 0.0000e+00 0.0000e+00

error twist V\_b:

-0.00000, 0.00000, 0.00000, 0.00000, -0.00000, 0.00000

angular error magnitude ||omega\_b||: 5.475297303858071e-06

linear error magnitude ||v\_b||: 7.855116190538686e-07

Thetalist:

2.586188446207421, 0.640980231100503, -1.7342156440194045, 1.0932437886465234, -0.5554013124684861, -1.5708048905353984

Success: True