# DEBUG RESULT 1 NITER = 20

Iteration 0

Initial value tvec = (-8.000000, 28.000000, -25.500000); rvec = (-49.000000, 156.000000, 51.000000)

line minimize for tx function value fret = -0.668692

line minimize for ty function value fret = -0.674519

line minimize for rz function value fret = -0.677498

line minimize for tz function value fret = -0.689258

line minimize for rx function value fret = -0.705714

line minimize for ry function value fret = -0.706467

Result of iteration 0: tvec = (-7.927830, 28.244030, -24.781804); rvec = (-46.628397, 156.337049, 51.999888) with fret = -0.706467, diff = fp-fret =0.040915

Iteration 1

Initial value tvec = (-7.927830, 28.244030, -24.781804); rvec = (-46.628397, 156.337049, 51.999888)

line minimize for tx function value fret = -0.772938

line minimize for ty function value fret = -0.774440

line minimize for rz function value fret = -0.774531

line minimize for tz function value fret = -0.791263

line minimize for rx function value fret = -0.791266

line minimize for ry function value fret = -0.801957

Result of iteration 1: tvec = (-7.265048, 28.047588, -24.155888); rvec = (-46.628383, 155.281360, 51.993881) with fret = -0.801957, diff = fp-fret =0.095490

Iteration 2

Initial value tvec = (-4.923277, 27.353511, -21.944373); rvec = (-46.628336, 151.551353, 51.972658)

line minimize for tx function value fret = -0.968789

line minimize for ty function value fret = -1.038917

line minimize for rz function value fret = -1.038917

line minimize for tz function value fret = -1.098024

line minimize for rx function value fret = -1.123445

line minimize for ry function value fret = -1.205213

Result of iteration 2: tvec = (-5.457099, 28.254772, -20.333378); rvec = (-47.285062, 150.275507, 51.972658) with fret = -1.205213, diff = fp-fret =0.275115

Iteration 3

Initial value tvec = (-5.457099, 28.254772, -20.333378); rvec = (-47.285062, 150.275507, 51.972658)

line minimize for tx function value fret = -1.212010

line minimize for ty function value fret = -1.219974

line minimize for rz function value fret = -1.237533

line minimize for tz function value fret = -1.260919

line minimize for rx function value fret = -1.262998

line minimize for ry function value fret = -1.311277

Result of iteration 3: tvec = (-5.279840, 28.430921, -20.015486); rvec = (-47.136917, 149.394395, 52.388075) with fret = -1.311277, diff = fp-fret =0.106064

Iteration 4

Initial value tvec = (-4.907544, 28.800886, -19.347818); rvec = (-46.825768, 147.543795, 53.260575)

line minimize for tx function value fret = -1.480875

line minimize for ty function value fret = -1.489682

line minimize for rz function value fret = -1.503470

line minimize for tz function value fret = -1.504214

line minimize for rx function value fret = -1.505964

line minimize for ry function value fret = -1.505964

Result of iteration 4: tvec = (-4.830588, 28.690916, -19.385856); rvec = (-46.750087, 147.543789, 53.428453) with fret = -1.505964, diff = fp-fret =0.035450

Iteration 5

Initial value tvec = (-4.830588, 28.690916, -19.385856); rvec = (-46.750087, 147.543789, 53.428453)

line minimize for tx function value fret = -1.505964

line minimize for ty function value fret = -1.510440

line minimize for rz function value fret = -1.518112

line minimize for tz function value fret = -1.518344

line minimize for rx function value fret = -1.519317

line minimize for ry function value fret = -1.519317

Result of iteration 5: tvec = (-4.830589, 28.625100, -19.381958); rvec = (-46.691175, 147.543789, 53.562800) with fret = -1.519317, diff = fp-fret =0.013353

Iteration 6

Initial value tvec = (-4.830593, 28.222662, -19.358121); rvec = (-46.330948, 147.543789, 54.384287)

line minimize for tx function value fret = -1.573582

line minimize for ty function value fret = -1.574488

line minimize for rz function value fret = -1.574513

line minimize for tz function value fret = -1.578047

line minimize for rx function value fret = -1.579683

The thread 'Win32 Thread' (0xfd4) has exited with code 0 (0x0).

line minimize for ry function value fret = -1.594640

Result of iteration 6: tvec = (-4.923170, 28.246496, -19.424753); rvec = (-46.268990, 147.799093, 54.386527) with fret = -1.594640, diff = fp-fret =0.033086

Iteration 7

Initial value tvec = (-4.999759, 27.933286, -19.460157); rvec = (-45.919729, 148.010299, 55.067973)

line minimize for tx function value fret = -1.636454

line minimize for ty function value fret = -1.636462

The thread 'Win32 Thread' (0x1c2c) has exited with code 0 (0x0).

line minimize for rz function value fret = -1.636463

line minimize for tz function value fret = -1.671937

line minimize for rx function value fret = -1.674601

line minimize for ry function value fret = -1.687506

Result of iteration 7: tvec = (-5.096793, 27.933331, -19.660378); rvec = (-45.874149, 148.200755, 55.067982) with fret = -1.687506, diff = fp-fret =0.065973

Iteration 8

Initial value tvec = (-6.233019, 25.883928, -21.202347); rvec = (-43.290234, 150.829303, 59.527548)

line minimize for tx function value fret = -2.102599

line minimize for ty function value fret = -2.203599

line minimize for rz function value fret = -2.220403

line minimize for tz function value fret = -2.300348

line minimize for rx function value fret = -2.352233

line minimize for ry function value fret = -2.355057

Result of iteration 8: tvec = (-6.171386, 26.055508, -21.383316); rvec = (-43.138420, 150.879618, 59.445182) with fret = -2.355057, diff = fp-fret =0.279068

Iteration 9

Initial value tvec = (-6.171386, 26.055508, -21.383316); rvec = (-43.138420, 150.879618, 59.445182)

line minimize for tx function value fret = -2.355885

line minimize for ty function value fret = -2.408671

line minimize for rz function value fret = -2.415002

line minimize for tz function value fret = -2.484601

line minimize for rx function value fret = -2.530132

The thread 'Win32 Thread' (0x10d8) has exited with code 0 (0x0).

line minimize for ry function value fret = -2.530132

Result of iteration 9: tvec = (-6.168623, 26.143904, -21.506672); rvec = (-43.038309, 150.879618, 59.408269) with fret = -2.530132, diff = fp-fret =0.175075

Iteration 10

Initial value tvec = (-6.164494, 26.276002, -21.691014); rvec = (-42.888703, 150.879618, 59.353106)

line minimize for tx function value fret = -2.719805

line minimize for ty function value fret = -2.723544

line minimize for rz function value fret = -2.728355

line minimize for tz function value fret = -2.728448

line minimize for rx function value fret = -2.735545

line minimize for ry function value fret = -2.745645

Result of iteration 10: tvec = (-6.163870, 26.262224, -21.690464); rvec = (-42.868100, 150.835968, 59.379687) with fret = -2.745645, diff = fp-fret =0.026019

Iteration 11

Initial value tvec = (-6.163870, 26.262224, -21.690464); rvec = (-42.868100, 150.835968, 59.379687)

line minimize for tx function value fret = -2.750272

line minimize for ty function value fret = -2.750787

line minimize for rz function value fret = -2.752384

line minimize for tz function value fret = -2.752698

line minimize for rx function value fret = -2.760215

line minimize for ry function value fret = -2.765184

Result of iteration 11: tvec = (-6.150927, 26.268621, -21.688048); rvec = (-42.843755, 150.811977, 59.392944) with fret = -2.765184, diff = fp-fret =0.019539

Iteration 12

Initial value tvec = (-6.091358, 26.298062, -21.676928); rvec = (-42.731703, 150.701549, 59.453962)

line minimize for tx function value fret = -2.820304

line minimize for ty function value fret = -2.830711

line minimize for rz function value fret = -2.836495

line minimize for tz function value fret = -2.839518

line minimize for rx function value fret = -2.844620

line minimize for ry function value fret = -2.844908

Result of iteration 12: tvec = (-6.093173, 26.278833, -21.693181); rvec = (-42.712413, 150.703256, 59.470939) with fret = -2.844908, diff = fp-fret =0.025229

Iteration 13

Initial value tvec = (-6.093173, 26.278833, -21.693181); rvec = (-42.712413, 150.703256, 59.470939)

line minimize for tx function value fret = -2.845194

line minimize for ty function value fret = -2.846512

line minimize for rz function value fret = -2.851052

line minimize for tz function value fret = -2.851203

line minimize for rx function value fret = -2.852681

line minimize for ry function value fret = -2.852714

Result of iteration 13: tvec = (-6.089996, 26.271137, -21.692660); rvec = (-42.702870, 150.700603, 59.486313) with fret = -2.852714, diff = fp-fret =0.007806

Iteration 14

Initial value tvec = (-6.076360, 26.238095, -21.690423); rvec = (-42.661898, 150.689213, 59.552324)

line minimize for tx function value fret = -2.874248

line minimize for ty function value fret = -2.874248

line minimize for rz function value fret = -2.874635

line minimize for tz function value fret = -2.874682

line minimize for rx function value fret = -2.876078

line minimize for ry function value fret = -2.877036

Result of iteration 14: tvec = (-6.082563, 26.238094, -21.690274); rvec = (-42.653500, 150.697123, 59.555464) with fret = -2.877036, diff = fp-fret =0.006444

Iteration 15

Initial value tvec = (-6.077792, 26.216886, -21.688743); rvec = (-42.621812, 150.694890, 59.599848)

line minimize for tx function value fret = -2.883545

line minimize for ty function value fret = -2.883545

line minimize for rz function value fret = -2.883548

line minimize for tz function value fret = -2.893338

line minimize for rx function value fret = -2.896895

line minimize for ry function value fret = -2.901797

Result of iteration 15: tvec = (-6.080717, 26.216883, -21.706416); rvec = (-42.608470, 150.716037, 59.599837) with fret = -2.901797, diff = fp-fret =0.018556

Iteration 16

Initial value tvec = (-6.063044, 26.013833, -21.860934); rvec = (-42.177425, 150.897093, 60.024592)

line minimize for tx function value fret = -3.044094

line minimize for ty function value fret = -3.044209

line minimize for rz function value fret = -3.044209

line minimize for tz function value fret = -3.102074

line minimize for rx function value fret = -3.119347

line minimize for ry function value fret = -3.137016

Result of iteration 16: tvec = (-6.061774, 26.013720, -21.897263); rvec = (-42.157043, 150.922891, 60.024592) with fret = -3.137016, diff = fp-fret =0.093483

Iteration 17

Initial value tvec = (-6.061774, 26.013720, -21.897263); rvec = (-42.157043, 150.922891, 60.024592)

line minimize for tx function value fret = -3.137620

line minimize for ty function value fret = -3.137686

line minimize for rz function value fret = -3.139146

line minimize for tz function value fret = -3.169491

line minimize for rx function value fret = -3.172382

line minimize for ry function value fret = -3.188143

Result of iteration 17: tvec = (-6.063852, 26.013960, -21.915394); rvec = (-42.148649, 150.946463, 60.020088) with fret = -3.188143, diff = fp-fret =0.051126

Iteration 18

Initial value tvec = (-6.069222, 26.014579, -21.962245); rvec = (-42.126958, 151.007375, 60.008448)

line minimize for tx function value fret = -3.271889

line minimize for ty function value fret = -3.276267

line minimize for rz function value fret = -3.276369

line minimize for tz function value fret = -3.276546

line minimize for rx function value fret = -3.276703

line minimize for ry function value fret = -3.276703

Result of iteration 18: tvec = (-6.069109, 26.010458, -21.962493); rvec = (-42.126985, 151.007363, 60.008530) with fret = -3.276703, diff = fp-fret =0.004940

Iteration 19

Initial value tvec = (-6.069109, 26.010458, -21.962493); rvec = (-42.126985, 151.007363, 60.008530)

line minimize for tx function value fret = -3.276737

line minimize for ty function value fret = -3.276744

line minimize for rz function value fret = -3.276772

line minimize for tz function value fret = -3.276797

line minimize for rx function value fret = -3.276797

line minimize for ry function value fret = -3.276797

Result of iteration 19: tvec = (-6.069087, 26.010438, -21.962479); rvec = (-42.126985, 151.007363, 60.008567) with fret = -3.276797, diff = fp-fret =0.000093

Iteration 20

Initial value tvec = (-6.069087, 26.010438, -21.962479); rvec = (-42.126985, 151.007363, 60.008567)

line minimize for tx function value fret = -3.276797

line minimize for ty function value fret = -3.276797

line minimize for rz function value fret = -3.276797

line minimize for tz function value fret = -3.276797

line minimize for rx function value fret = -3.276797

line minimize for ry function value fret = -3.276797

Result of iteration 20: tvec = (-6.069087, 26.010438, -21.962479); rvec = (-42.126985, 151.007363, 60.008565) with fret = -3.276797, diff = fp-fret =0.000000

FUCK!

Iterations: 20

Minimum found at tvec = (-6.069087, 26.010438, -21.962479); rvec = (-42.126985, 151.007363, 60.008565)

Minimum function value =

-3.2768

True minimum of function is at:

Real value tvec = (-6.000000, 26.000000, -22.000000); rvec = (-42.000000, 151.000000, 60.000000);

# RELEASE RESULT1 NITER = 20 identical to DEBUG VER

Iteration 0

Initial value tvec = (-8.000000, 28.000000, -25.500000); rvec = (-49.000000, 156.000000, 51.000000)

line minimize for tx function value fret = -0.668692

line minimize for ty function value fret = -0.674519

line minimize for rz function value fret = -0.677498

line minimize for tz function value fret = -0.689258

line minimize for rx function value fret = -0.705714

line minimize for ry function value fret = -0.706467

Result of iteration 0: tvec = (-7.927830, 28.244030, -24.781804); rvec = (-46.628397, 156.337049, 51.999888) with fret = -0.706467, diff = fp-fret =0.040915

Iteration 1

Initial value tvec = (-7.927830, 28.244030, -24.781804); rvec = (-46.628397, 156.337049, 51.999888)

line minimize for tx function value fret = -0.772938

line minimize for ty function value fret = -0.774440

line minimize for rz function value fret = -0.774531

line minimize for tz function value fret = -0.791263

line minimize for rx function value fret = -0.791266

line minimize for ry function value fret = -0.801957

Result of iteration 1: tvec = (-7.265048, 28.047588, -24.155888); rvec = (-46.628383, 155.281360, 51.993881) with fret = -0.801957, diff = fp-fret =0.095490

Iteration 2

Initial value tvec = (-4.923277, 27.353511, -21.944373); rvec = (-46.628336, 151.551353, 51.972658)

line minimize for tx function value fret = -0.968789

line minimize for ty function value fret = -1.038917

line minimize for rz function value fret = -1.038917

line minimize for tz function value fret = -1.098024

line minimize for rx function value fret = -1.123445

line minimize for ry function value fret = -1.205213

Result of iteration 2: tvec = (-5.457099, 28.254772, -20.333378); rvec = (-47.285062, 150.275507, 51.972658) with fret = -1.205213, diff = fp-fret =0.275115

Iteration 3

Initial value tvec = (-5.457099, 28.254772, -20.333378); rvec = (-47.285062, 150.275507, 51.972658)

line minimize for tx function value fret = -1.212010

line minimize for ty function value fret = -1.219974

line minimize for rz function value fret = -1.237533

line minimize for tz function value fret = -1.260919

line minimize for rx function value fret = -1.262998

line minimize for ry function value fret = -1.311277

Result of iteration 3: tvec = (-5.279840, 28.430921, -20.015486); rvec = (-47.136917, 149.394395, 52.388075) with fret = -1.311277, diff = fp-fret =0.106064

Iteration 4

Initial value tvec = (-4.907544, 28.800886, -19.347818); rvec = (-46.825768, 147.543795, 53.260575)

line minimize for tx function value fret = -1.480875

line minimize for ty function value fret = -1.489682

line minimize for rz function value fret = -1.503470

line minimize for tz function value fret = -1.504214

line minimize for rx function value fret = -1.505964

The thread 'Win32 Thread' (0x1c1c) has exited with code 0 (0x0).

line minimize for ry function value fret = -1.505964

Result of iteration 4: tvec = (-4.830588, 28.690916, -19.385856); rvec = (-46.750087, 147.543789, 53.428453) with fret = -1.505964, diff = fp-fret =0.035450

Iteration 5

Initial value tvec = (-4.830588, 28.690916, -19.385856); rvec = (-46.750087, 147.543789, 53.428453)

line minimize for tx function value fret = -1.505964

line minimize for ty function value fret = -1.510440

line minimize for rz function value fret = -1.518112

line minimize for tz function value fret = -1.518344

line minimize for rx function value fret = -1.519317

line minimize for ry function value fret = -1.519317

Result of iteration 5: tvec = (-4.830589, 28.625100, -19.381958); rvec = (-46.691175, 147.543789, 53.562800) with fret = -1.519317, diff = fp-fret =0.013353

Iteration 6

Initial value tvec = (-4.830593, 28.222662, -19.358121); rvec = (-46.330948, 147.543789, 54.384287)

line minimize for tx function value fret = -1.573582

line minimize for ty function value fret = -1.574488

line minimize for rz function value fret = -1.574513

line minimize for tz function value fret = -1.578047

The thread 'Win32 Thread' (0x598) has exited with code 0 (0x0).

line minimize for rx function value fret = -1.579683

line minimize for ry function value fret = -1.594640

Result of iteration 6: tvec = (-4.923170, 28.246496, -19.424753); rvec = (-46.268990, 147.799093, 54.386527) with fret = -1.594640, diff = fp-fret =0.033086

Iteration 7

Initial value tvec = (-4.999759, 27.933286, -19.460157); rvec = (-45.919729, 148.010299, 55.067973)

line minimize for tx function value fret = -1.636454

line minimize for ty function value fret = -1.636462

line minimize for rz function value fret = -1.636463

line minimize for tz function value fret = -1.671937

line minimize for rx function value fret = -1.674601

line minimize for ry function value fret = -1.687506

Result of iteration 7: tvec = (-5.096793, 27.933331, -19.660378); rvec = (-45.874149, 148.200755, 55.067982) with fret = -1.687506, diff = fp-fret =0.065973

Iteration 8

Initial value tvec = (-6.233019, 25.883928, -21.202347); rvec = (-43.290234, 150.829303, 59.527548)

line minimize for tx function value fret = -2.102599

line minimize for ty function value fret = -2.203599

line minimize for rz function value fret = -2.220403

line minimize for tz function value fret = -2.300348

line minimize for rx function value fret = -2.352233

line minimize for ry function value fret = -2.355057

Result of iteration 8: tvec = (-6.171386, 26.055508, -21.383316); rvec = (-43.138420, 150.879618, 59.445182) with fret = -2.355057, diff = fp-fret =0.279068

Iteration 9

Initial value tvec = (-6.171386, 26.055508, -21.383316); rvec = (-43.138420, 150.879618, 59.445182)

line minimize for tx function value fret = -2.355885

line minimize for ty function value fret = -2.408671

line minimize for rz function value fret = -2.415002

line minimize for tz function value fret = -2.484601

line minimize for rx function value fret = -2.530132

line minimize for ry function value fret = -2.530132

Result of iteration 9: tvec = (-6.168623, 26.143904, -21.506672); rvec = (-43.038309, 150.879618, 59.408269) with fret = -2.530132, diff = fp-fret =0.175075

Iteration 10

Initial value tvec = (-6.164494, 26.276002, -21.691014); rvec = (-42.888703, 150.879618, 59.353106)

The thread 'Win32 Thread' (0x1b70) has exited with code 0 (0x0).

line minimize for tx function value fret = -2.719805

line minimize for ty function value fret = -2.723544

line minimize for rz function value fret = -2.728355

line minimize for tz function value fret = -2.728448

line minimize for rx function value fret = -2.735545

line minimize for ry function value fret = -2.745645

Result of iteration 10: tvec = (-6.163870, 26.262224, -21.690464); rvec = (-42.868100, 150.835968, 59.379687) with fret = -2.745645, diff = fp-fret =0.026019

Iteration 11

Initial value tvec = (-6.163870, 26.262224, -21.690464); rvec = (-42.868100, 150.835968, 59.379687)

line minimize for tx function value fret = -2.750272

line minimize for ty function value fret = -2.750787

line minimize for rz function value fret = -2.752384

line minimize for tz function value fret = -2.752698

line minimize for rx function value fret = -2.760215

line minimize for ry function value fret = -2.765184

Result of iteration 11: tvec = (-6.150927, 26.268621, -21.688048); rvec = (-42.843755, 150.811977, 59.392944) with fret = -2.765184, diff = fp-fret =0.019539

Iteration 12

Initial value tvec = (-6.091358, 26.298062, -21.676928); rvec = (-42.731703, 150.701549, 59.453962)

line minimize for tx function value fret = -2.820304

line minimize for ty function value fret = -2.830711

line minimize for rz function value fret = -2.836495

line minimize for tz function value fret = -2.839518

line minimize for rx function value fret = -2.844620

line minimize for ry function value fret = -2.844908

Result of iteration 12: tvec = (-6.093173, 26.278833, -21.693181); rvec = (-42.712413, 150.703256, 59.470939) with fret = -2.844908, diff = fp-fret =0.025229

Iteration 13

Initial value tvec = (-6.093173, 26.278833, -21.693181); rvec = (-42.712413, 150.703256, 59.470939)

line minimize for tx function value fret = -2.845194

line minimize for ty function value fret = -2.846512

line minimize for rz function value fret = -2.851052

line minimize for tz function value fret = -2.851203

line minimize for rx function value fret = -2.852681

line minimize for ry function value fret = -2.852714

Result of iteration 13: tvec = (-6.089996, 26.271137, -21.692660); rvec = (-42.702870, 150.700603, 59.486313) with fret = -2.852714, diff = fp-fret =0.007806

Iteration 14

Initial value tvec = (-6.076360, 26.238095, -21.690423); rvec = (-42.661898, 150.689213, 59.552324)

line minimize for tx function value fret = -2.874248

line minimize for ty function value fret = -2.874248

line minimize for rz function value fret = -2.874635

line minimize for tz function value fret = -2.874682

line minimize for rx function value fret = -2.876078

line minimize for ry function value fret = -2.877036

Result of iteration 14: tvec = (-6.082563, 26.238094, -21.690274); rvec = (-42.653500, 150.697123, 59.555464) with fret = -2.877036, diff = fp-fret =0.006444

Iteration 15

Initial value tvec = (-6.077792, 26.216886, -21.688743); rvec = (-42.621812, 150.694890, 59.599848)

line minimize for tx function value fret = -2.883545

line minimize for ty function value fret = -2.883545

line minimize for rz function value fret = -2.883548

line minimize for tz function value fret = -2.893338

line minimize for rx function value fret = -2.896895

line minimize for ry function value fret = -2.901797

Result of iteration 15: tvec = (-6.080717, 26.216883, -21.706416); rvec = (-42.608470, 150.716037, 59.599837) with fret = -2.901797, diff = fp-fret =0.018556

Iteration 16

Initial value tvec = (-6.063044, 26.013833, -21.860934); rvec = (-42.177425, 150.897093, 60.024592)

line minimize for tx function value fret = -3.044094

line minimize for ty function value fret = -3.044209

line minimize for rz function value fret = -3.044209

line minimize for tz function value fret = -3.102074

line minimize for rx function value fret = -3.119347

line minimize for ry function value fret = -3.137016

Result of iteration 16: tvec = (-6.061774, 26.013720, -21.897263); rvec = (-42.157043, 150.922891, 60.024592) with fret = -3.137016, diff = fp-fret =0.093483

Iteration 17

Initial value tvec = (-6.061774, 26.013720, -21.897263); rvec = (-42.157043, 150.922891, 60.024592)

line minimize for tx function value fret = -3.137620

line minimize for ty function value fret = -3.137686

line minimize for rz function value fret = -3.139146

line minimize for tz function value fret = -3.169491

line minimize for rx function value fret = -3.172382

line minimize for ry function value fret = -3.188143

Result of iteration 17: tvec = (-6.063852, 26.013960, -21.915394); rvec = (-42.148649, 150.946463, 60.020088) with fret = -3.188143, diff = fp-fret =0.051126

Iteration 18

Initial value tvec = (-6.069222, 26.014579, -21.962245); rvec = (-42.126958, 151.007375, 60.008448)

line minimize for tx function value fret = -3.271889

line minimize for ty function value fret = -3.276267

line minimize for rz function value fret = -3.276369

line minimize for tz function value fret = -3.276546

line minimize for rx function value fret = -3.276703

line minimize for ry function value fret = -3.276703

Result of iteration 18: tvec = (-6.069109, 26.010458, -21.962493); rvec = (-42.126985, 151.007363, 60.008530) with fret = -3.276703, diff = fp-fret =0.004940

Iteration 19

Initial value tvec = (-6.069109, 26.010458, -21.962493); rvec = (-42.126985, 151.007363, 60.008530)

line minimize for tx function value fret = -3.276737

line minimize for ty function value fret = -3.276744

line minimize for rz function value fret = -3.276772

line minimize for tz function value fret = -3.276797

line minimize for rx function value fret = -3.276797

line minimize for ry function value fret = -3.276797

Result of iteration 19: tvec = (-6.069087, 26.010438, -21.962479); rvec = (-42.126985, 151.007363, 60.008567) with fret = -3.276797, diff = fp-fret =0.000093

Iteration 20

Initial value tvec = (-6.069087, 26.010438, -21.962479); rvec = (-42.126985, 151.007363, 60.008567)

line minimize for tx function value fret = -3.276797

line minimize for ty function value fret = -3.276797

line minimize for rz function value fret = -3.276797

line minimize for tz function value fret = -3.276797

line minimize for rx function value fret = -3.276797

line minimize for ry function value fret = -3.276797

Result of iteration 20: tvec = (-6.069087, 26.010438, -21.962479); rvec = (-42.126985, 151.007363, 60.008565) with fret = -3.276797, diff = fp-fret =0.000000

FUCK!

Iterations: 20

Minimum found at tvec = (-6.069087, 26.010438, -21.962479); rvec = (-42.126985, 151.007363, 60.008565)

Minimum function value =

-3.2768

True minimum of function is at:

Real value tvec = (-6.000000, 26.000000, -22.000000); rvec = (-42.000000, 151.000000, 60.000000);