

# **ME572: Project #1**

Due on April 9, 2012

**Jedediah Frey**

project1 robot1.dat

POSITION 1: INPUT: JOINT VARIABLES ( +0.000, +0.000)

OUTPUT: 1.000 0.000 0.000 40.000

0.000 1.000 0.000 0.000

0.000 0.000 1.000 0.000

0.000 0.000 0.000 1.000

POSITION 2: INPUT: JOINT VARIABLES ( +60.000,-120.000)

OUTPUT: 0.500 0.866 0.000 20.000

-0.866 0.500 0.000 0.000

0.000 0.000 1.000 0.000

0.000 0.000 0.000 1.000

project1 robot2.dat

POSITION 1: INPUT: JOINT VARIABLES ( +0.000, +0.000, +5.000)

OUTPUT: 1.000 0.000 0.000 4.000

0.000 1.000 0.000 0.000

0.000 0.000 1.000 10.000

0.000 0.000 0.000 1.000

POSITION 2: INPUT: JOINT VARIABLES ( -12.350,+220.316, -6.557)

OUTPUT: 0.977 -0.163 0.138 3.000

-0.214 -0.745 0.632 -5.000

0.000 -0.647 -0.762 10.000

0.000 0.000 0.000 1.000

POSITION 3: INPUT: JOINT VARIABLES (+118.570, +69.766, +14.455)

OUTPUT: -0.478 -0.304 0.824 10.000

0.878 -0.165 0.449 10.000

0.000 0.938 0.346 10.000

0.000 0.000 0.000 1.000