

lumbar\_rotation arm\_flex arm\_add angle (rad) angle (rad) angle (rad) 0.0 -0.6 -0.8 -0.2 2.0 time (s) 2.0 time (s) 2.0 time (s) 1.0 1.5 elbow\_flex arm\_rot pro\_sup 0.1 angle (rad) 1.75 2.00 angle (rad) angle (rad) 1.50 1.0 1.5 2.0 1.0 2.0 2.0 3.0 time (s) time (s) time (s) wrist\_flex wrist\_dev 1e-3 0.010 angle (rad) angle (rad) -8

> 2.0 time (s)

1.0

2.5

2.0 time (s)

1.0

1.5

run200\_ik.mot (right leg) run200\_ik.mot (left leg)