

 $\boldsymbol{Model}{:}\ KINOVA_arm_reverse.bioMod$

Phase duration: 0.5 s **Shooting nodes**: 30 **Dynamics**: TORQUE DRIVEN

ODE: RK4

Control type: CONSTANT

Parameters
No parameter set

 $\frac{\textbf{Lagrange}}{(\text{MINIMIZE_CONTROL})^2}$

Weight: 1 key: tau Index in list: 0

(MINIMIZE_STATE)²
Weight: 1
key: q
Index in list: 1

(MINIMIZE_STATE)² **Weight**: 1 **kev**: qdot

key: qdot **Index in list**: 2

(PROPORTIONAL STATE)²

Weight: 0.1 key: q first_dof: 10 second_dof: 11 coef: 1 Index in list: 5

(PROPORTIONAL STATE)²

Weight: 0.1 key: qdot first_dof: 10 second_dof: 11 coef: 1 Index in list: 6

Mayer (SUPERIMPOSE MARKERS)²

Weight: 10000 first_marker: md0 second_marker: mg2 Index in list: 3

Shooting nodes index: Node.END

Weight: 10 key: q Index in list: 4

Shooting nodes index: Node.END

<u>Constraints</u> SUPERIMPOSE MARKERS

Min bound: 0
Max bound: 0
first_marker: mg1
second_marker: md0
Index in list: 0
Shooting nodes index: 0

SUPERIMPOSE MARKERS

Min bound: 0
Max bound: 0
first_marker: grd_contact1
second_marker: Contact_mk1
Index in list: 1
Shooting nodes index: 0

SUPERIMPOSE MARKERS

Min bound: 0
Max bound: 0
first_marker: grd_contact2
second_marker: Contact_mk2
Index in list: 2
Shooting nodes index: all