RSSR Generalized Coordinates

A = revolute R B = spherical S C = spherical S D = revolute R

**z**

**y**

**x**

**a**

**b**

**c**

**d**

**C**

**D**

**A**

**B**

**O**

**e**

****

****

a = OA = ground (20.43 cm)

b = AB = input crank (4.00 cm)

in y-z plane

c = CD = follower (10.00 cm)

in x-y plane

d = OD = ground (19.97 cm)

e = BC = coupler (30.42 cm)

 = crank angle in y-z plane

= follower angle in x-y plane

**D**

**A**

**O**

**z1’**

**y1’**

**x1’**

**x2’**

**z2’**

**y2’**

****

**B**

**A**

**2**

**z4’**

**y4’**

**x4’**

**C**

**D**

****

**4**

**y4’’**

**B**

**C**

**use**

**double-spherical**

**CONSTRAINTS**



# CONSTANTS

# 



**INITIAL ESTIMATES**





# FIXED REVOLUTE DRIVER

****

**z1’**

**y2’**

**z2’**

****



# OUTPUT LINK



****

**x1’**

**y4’**

**x4’**

# JACOBIAN





**VELOCITY**



**ACCELERATION**









**JERK**











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