

Mass properties of selected components  
Coordinate system: SimXCoord

The center of mass and the moments of inertia are output in the coordinate system of Arm1Assembly

Mass = 1.455356 kilograms

Volume = 0.000539 cubic meters

Surface area = 0.116764 square meters

Center of mass: ( meters )

X = 0.096399

Y = -0.002338

Z = -0.109876

Principal axes of inertia and principal moments of inertia: ( kilograms \* square meters )

Taken at the center of mass.

Ix = ( 0.986360, -0.009369, -0.164337) Px = 0.001925

Iy = (-0.164521, -0.024337, -0.986073) Py = 0.013550

Iz = ( 0.005239, 0.999660, -0.025546) Pz = 0.014864

Moments of inertia: ( kilograms \* square meters )

Taken at the center of mass and aligned with the output coordinate system.

Lxx = 0.002240 Lxy = -0.000114 Lxz = -0.001884

Lyx = -0.000114 Lyy = 0.014862 Lyz = 0.000051

Lzx = -0.001884 Lzy = 0.000051 Lzz = 0.013237

Moments of inertia: ( kilograms \* square meters )

Taken at the output coordinate system.

Ixx = 0.019818 Ixy = -0.000442 Ixz = -0.017299

Iyx = -0.000442 Iyy = 0.045956 Iyz = 0.000425

Izx = -0.017299 Izy = 0.000425 Izz = 0.026769