



#### Mass properties of Assem1

Configuration: Default

Coordinate system: -- default --

Mass = 74.77 grams

Volume = 74.77 cubic centimeters

Surface area = 197.40 square centimeters

#### Center of mass: ( centimeters )

X = -0.98

Y = 0.94

Z = 10.10

#### Principal axes of inertia and principal moments of inertia: ( grams \* square centimeters )

Taken at the center of mass.

$I_x = (-0.13, 0.99, 0.00)$        $P_x = 252.29$

$I_y = (-0.99, -0.13, -0.01)$        $P_y = 1014.61$

$I_z = (-0.01, 0.00, 1.00)$        $P_z = 1218.68$

#### Moments of inertia: ( grams \* square centimeters )

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

$I_{xx} = 1002.09$        $I_{xy} = -96.96$        $I_{xz} = 2.22$

$I_{yx} = -96.96$        $I_{yy} = 264.84$        $I_{yz} = -2.13$

$I_{zx} = 2.22$        $I_{zy} = -2.13$        $I_{zz} = 1218.66$

#### Moments of inertia: ( grams \* square centimeters )

Taken at the output coordinate system.

$I_{xx} = 8700.87$        $I_{xy} = -166.42$        $I_{xz} = -740.61$

$I_{yx} = -166.42$        $I_{yy} = 7969.19$        $I_{yz} = 711.52$

$I_{zx} = -740.61$        $I_{zy} = 711.52$        $I_{zz} = 1357.69$