**A computer drawing of a grey object

AI-generated content may be incorrect.**

**Mass properties of lander2**

Configuration: Default

Coordinate system: -- default --

Mass (user-overridden) = 31040.39 grams

Volume = 31040420.65 cubic millimeters

Surface area = 14847739.99 square millimeters

Center of Mass (user-overridden): ( millimeters )

X = 592.74

Y = 681.93

Z = 182.21

Principal axes of inertia and principal moments of inertia(user-overridden): ( grams \* square millimeters )

Taken at the center of mass.

Ix = ( 0.00, 0.00, 1.00) Px = 9421936011.24

Iy = ( 0.00, -1.00, 0.00) Py = 9550237925.14

Iz = ( 1.00, 0.00, 0.00) Pz = 9858627326.32

Moments of inertia: ( grams \* square millimeters )

Taken at the center of mass and aligned with the output coordinate system. (Using positive tensor notation.)

Lxx = 9858627326.32 Lxy = 0.00 Lxz = 0.00

Lyx = 0.00 Lyy = 9550237925.14 Lyz = 0.00

Lzx = 0.00 Lzy = 0.00 Lzz = 9421936011.24

Moments of inertia: ( grams \* square millimeters )

Taken at the output coordinate system. (Using positive tensor notation.)

Ixx = 25323790068.71 Ixy = 12546827680.38 Ixz = 3352416211.07

Iyx = 12546827680.38 Iyy = 21486656577.13 Iyz = 3856827342.56

Izx = 3352416211.07 Izy = 3856827342.56 Izz = 34762487982.74

Exporting

A screenshot of a computer

AI-generated content may be incorrect.

Drop test successful

A computer screen shot of a grey box

AI-generated content may be incorrect.

Shoes collision mesh