

Mass properties of boat_decente
Configuration: Default
Coordinate system: -- default --

* Includes the mass properties of one or more hidden components/bodies.

Density = 1.30 grams per cubic centimeter

Mass = 1006.65 grams

Volume = 774.35 cubic centimeters

Surface area = 2070.56 square centimeters

Center of mass: (centimeters)

X = -16.87

Y = 0.27

Z = -2.83

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

Taken at the center of mass.

Ix = (1.00, -0.01, -0.02) Px = 16950.99

Iy = (0.01, 1.00, -0.05) Py = 204273.02

Iz = (0.02, 0.05, 1.00) Pz = 212551.40

Moments of inertia: (grams * square centimeters)

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

Lxx = 17069.88 Lxy = -1871.22 Lxz = -4429.49

Lyx = -1871.22 Lyz = 204277.07 Lyy = -389.33

Lzx = -4429.49 Lzy = -389.33 Lzz = 212428.45

Moments of inertia: (grams * square centimeters)

Taken at the output coordinate system.

Ixx = 25195.47 Ixy = -6431.49 Ixz = 43612.49

Iyx = -6431.49 Iyy = 498934.17 Iyz = -1153.74

Izx = 43612.49 Izy = -1153.74 Izz = 499105.07