Mass properties of shaft_pando_ball
    Configuration: Default
    Coordinate system: first_pendulum_axis

Density = 0.01 grams per cubic millimeter

Mass (user-overridden) = 80.00 grams

Volume = 9332.13 cubic millimeters

Surface area = 4697.00 square millimeters

Center of mass: (millimeters)
        X = 0.00
        Y = -87.83
        Z = 0.14

Principal axes of inertia and principal moments of inertia: (grams * square millimeters)
Taken at the center of mass.
        Ix = (0.00, 1.00, 0.00)   Px = 1116.21
        Iy = (1.00, 0.00, 0.00)   Py = 184029.76
        Iz = (0.00, 0.00, -1.00)   Pz = 184082.00

Moments of inertia: (grams * square millimeters)
Taken at the center of mass and aligned with the output coordinate system. (Using positive tensor notation.)
        Lxx = 184029.76   Lxy = 0.32Lxz = -0.02
        Lyx = 0.32 Lyy = 1118.17   Lyz = -598.45
        Lzx = -0.02   Lzy = -598.45   Lzz = 184080.04

Moments of inertia: (grams * square millimeters)
Taken at the output coordinate system. (Using positive tensor notation.)
        Ixx = 801188.30   Ixy = 1.29 Ixz = -0.03
        Iyx = 1.29 Iyy = 1119.63   Iyz = -1547.86
        Izx = -0.03   Izy = -1547.86   Izz = 801237.12