Mass properties of R1_Tire_Sim
    Configuration: Default
    Coordinate system: wheel_lb_ref_frame

Density = 291.292**1** kilograms per cubic meter

Mass (user-overridden) = 0.414 kilograms

Volume = 0.00142125 cubic meters

Surface area = 0.10835397 square meters

Center of mass: (meters)
        X = 0
        Y = -6.757e-05
        Z = 0

Principal axes of inertia and principal moments of inertia: (kilograms * square meters)
Taken at the center of mass.
        Ix = (0.75773344, 2.228e-05, -0.6525642)   Px = 0.00097298
        Iy = (-0.6525642, 1.26e-05, -0.75773344)   Py = 0.00097299
        Iz = (-8.66e-06, 1, 2.409e-05)   Pz = 0.00132536

Moments of inertia: (kilograms * square meters)
Taken at the center of mass and aligned with the output coordinate system.
        Lxx = 0.00097298   Lxy = 0   Lxz = 0
        Lyx = 0   Lyy = 0.00132536   Lyz = -1e-08
        Lzx = 0   Lzy = -1e-08   Lzz = 0.00097298

Moments of inertia: (kilograms * square meters)
Taken at the output coordinate system.
        Ixx = 0.00097298   Ixy = 0   Ixz = 0
        Iyx = 0   Iyy = 0.00132536   Iyz = 0
        Izx = 0   Izy = 0   Izz = 0.00097299