ROTATION MATRIX from URDF_FRAME_FA_JOINT_4 orientation to Hand_robot_inteface:

VOLUME = 5.2035786e+05 MM^3 SURFACE AREA = 4.0122552e+05 MM^2 AVERAGE DENSITY = 2.7364359e-06 KILOGRAM / MM^3 MASS = 1.4239259e+00 KILOGRAM

CENTER OF GRAVITY with respect to HAND_ROBOT_INTERFACE coordinate frame: X Y Z 2.0955992e+00 4.3009755e+00 -6.0792229e+01 MM

INERTIA at CENTER OF GRAVITY with respect to HAND_ROBOT_INTERFACE coordinate frame: (KILOGRAM * MM^2)

INERTIA TENSOR:

Ixx Ixy Ixz 4.6340021e+03 -5.6301252e+01 2.1001241e+02 Iyx Iyy Iyz -5.6301252e+01 5.2222303e+03 2.0916976e+02 Izx Izy Izz 2.1001241e+02 2.0916976e+02 1.3961628e+03

PRINCIPAL MOMENTS OF INERTIA: (KILOGRAM * MM^2)
11 12 13 1.3708864e+03 4.6444848e+03 5.2370242e+03

ROTATION MATRIX from HAND_ROBOT_INTERFACE orientation to PRINCIPAL AXES (degrees):

 -0.06508
 0.99502
 -0.07553

 -0.05506
 0.07200
 0.99588

 0.99636
 0.06897
 0.05010