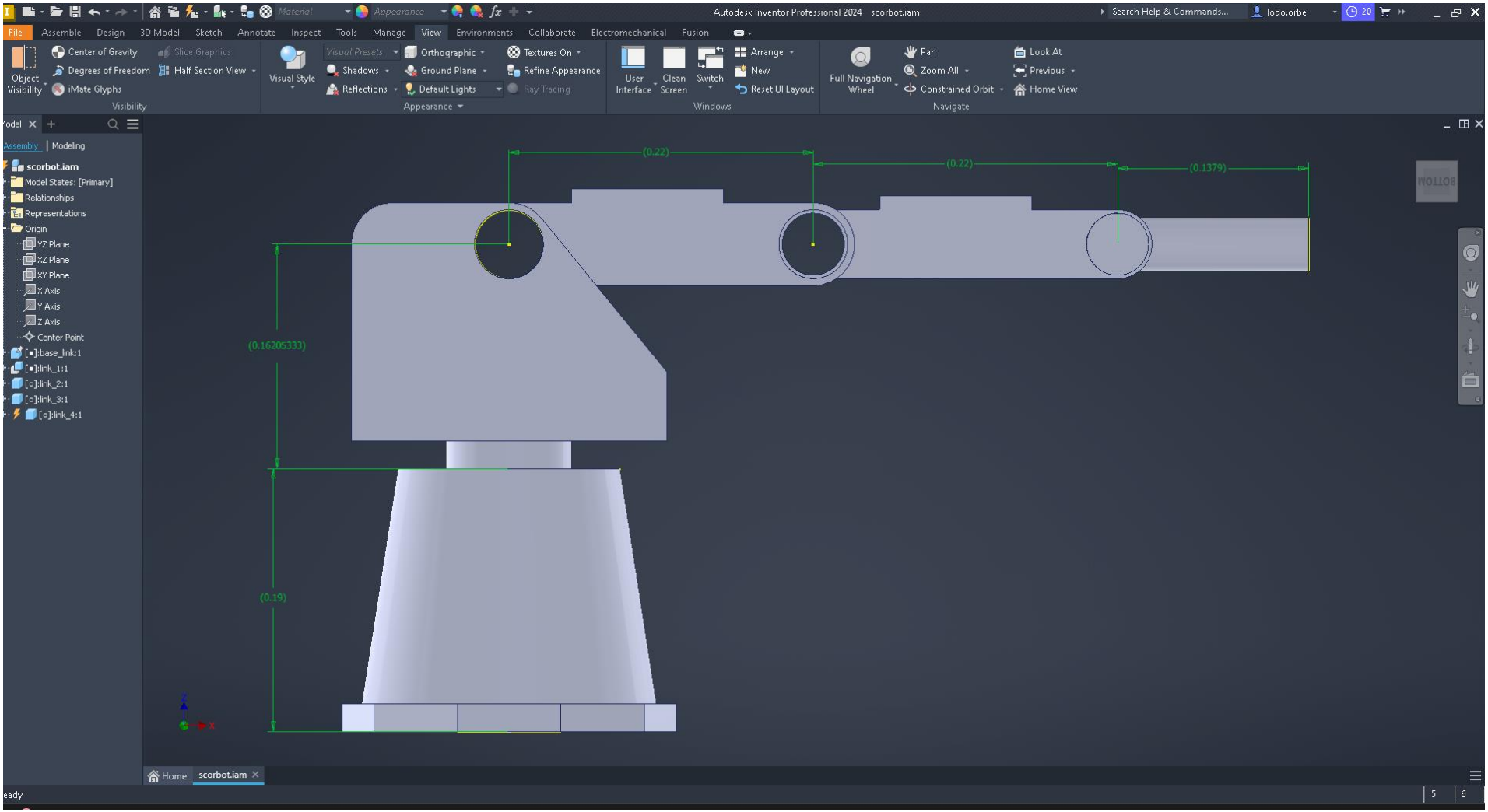
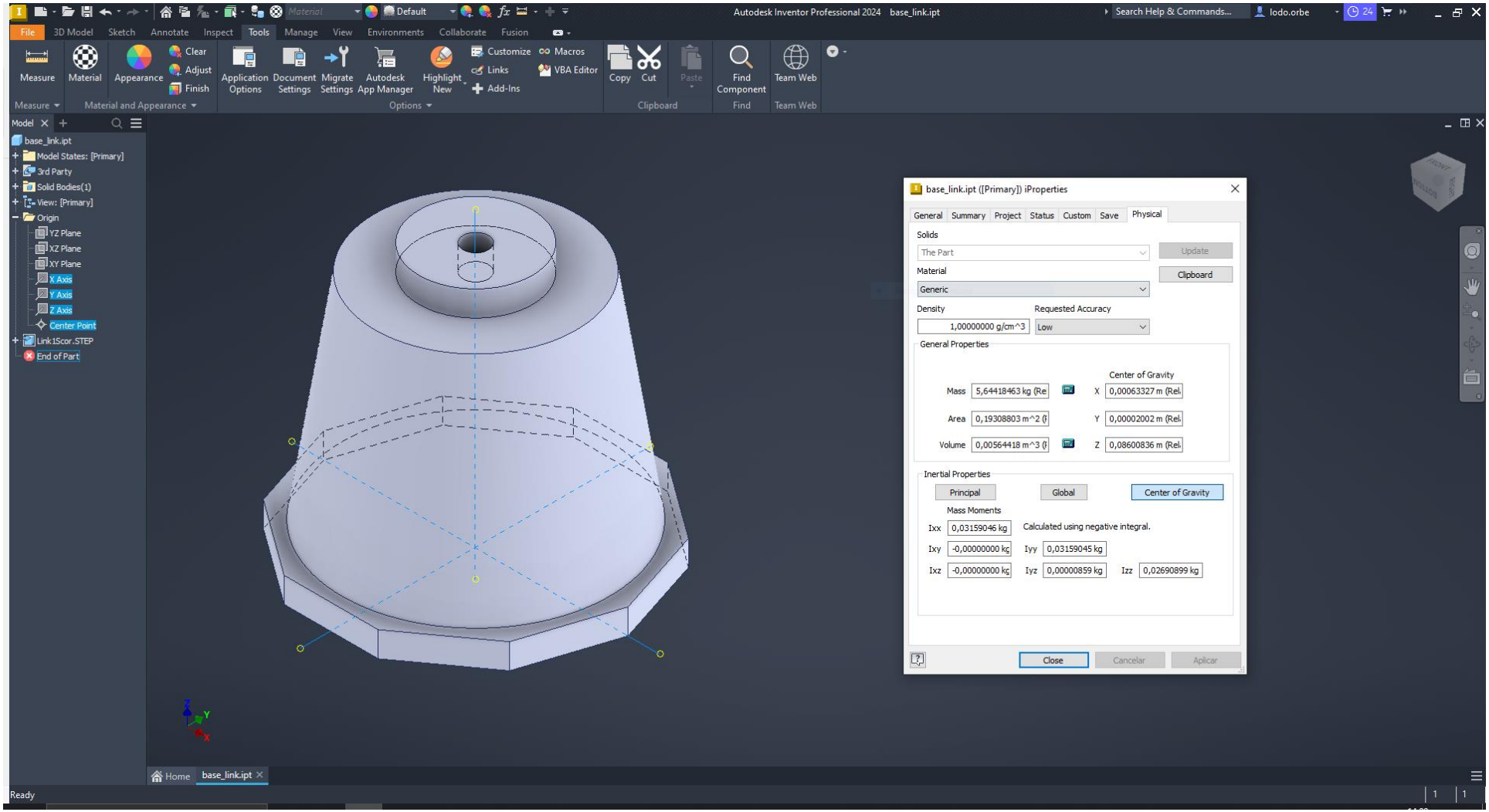
SCORBOT


Autodesk Inventor Professional 2024 scorbot.iam
(0.22)
(0.22)
(0.1379)
(0.16205333)
(0.19)
scorbot.iam
Model States: [Primary]
Relationships
Representations
Origin
YZ Plane
XZ Plane
XY Plane
X Axis
Y Axis
Z Axis
Center Point
[•]:base_link:1
[•]:link_1:1
[o]:link_2:1
[o]:link_3:1
[o]:link_4:1
Home
scorbot.iam

base_link



Physical Properties for base_link

General Properties:

Mass: 5,64418463 kg (Relative Error = 0,255228%)

Center of Gravity:

X: 0,00063327 m (Relative Error = 0,255228%)

Y: 0,00002002 m (Relative Error = 0,255228%)

Z: 0,08600836 m (Relative Error = 0,255228%)

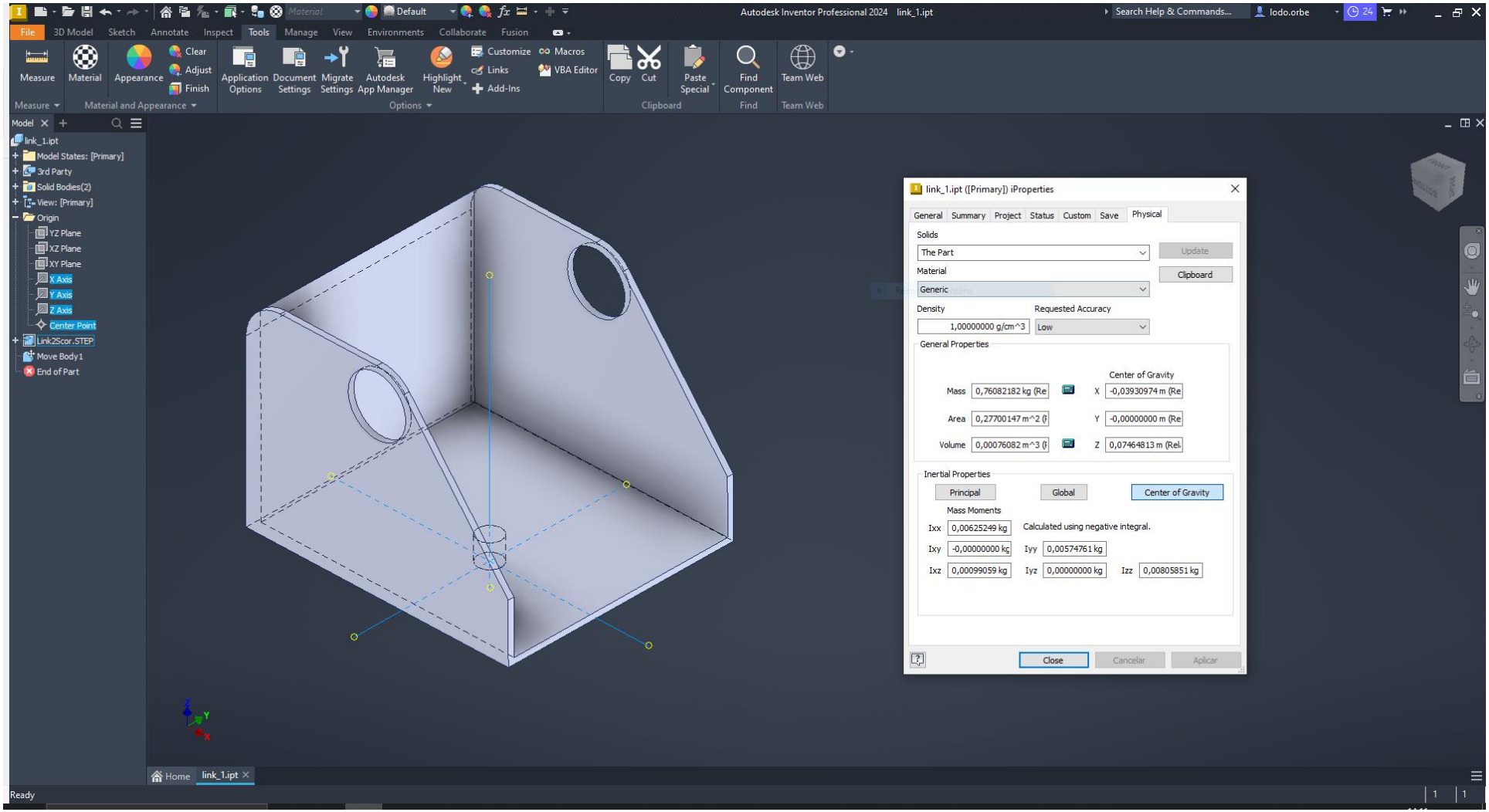
Mass Moments of Inertia with respect to Center of Gravity(Calculated using negative integral)

Ixx 0,03159046 kg m^2 (Relative Error = 0,255228%)

Iyx Iyy -0,00000000 kg m^2 (Relative Error = 0,255228%) 0,03159045 kg m^2 (Relative Error = 0,255228%)

Izx Izy Izz -0,00000000 kg m^2 (Relative Error = 0,255228%) 0,00000859 kg m^2 (Relative Error = 0,255228%) 0,02690899 kg m^2 (Relative Error = 0,255228%)

link_1



Physical Properties for link_1

General Properties:

Mass: 0,76082182 kg (Relative Error = 0,001125%)

Center of Gravity:

X: -0,03930974 m (Relative Error = 0,001125%)

Y: -0,00000000 m (Relative Error = 0,001125%)

Z: 0,07464813 m (Relative Error = 0,001125%)

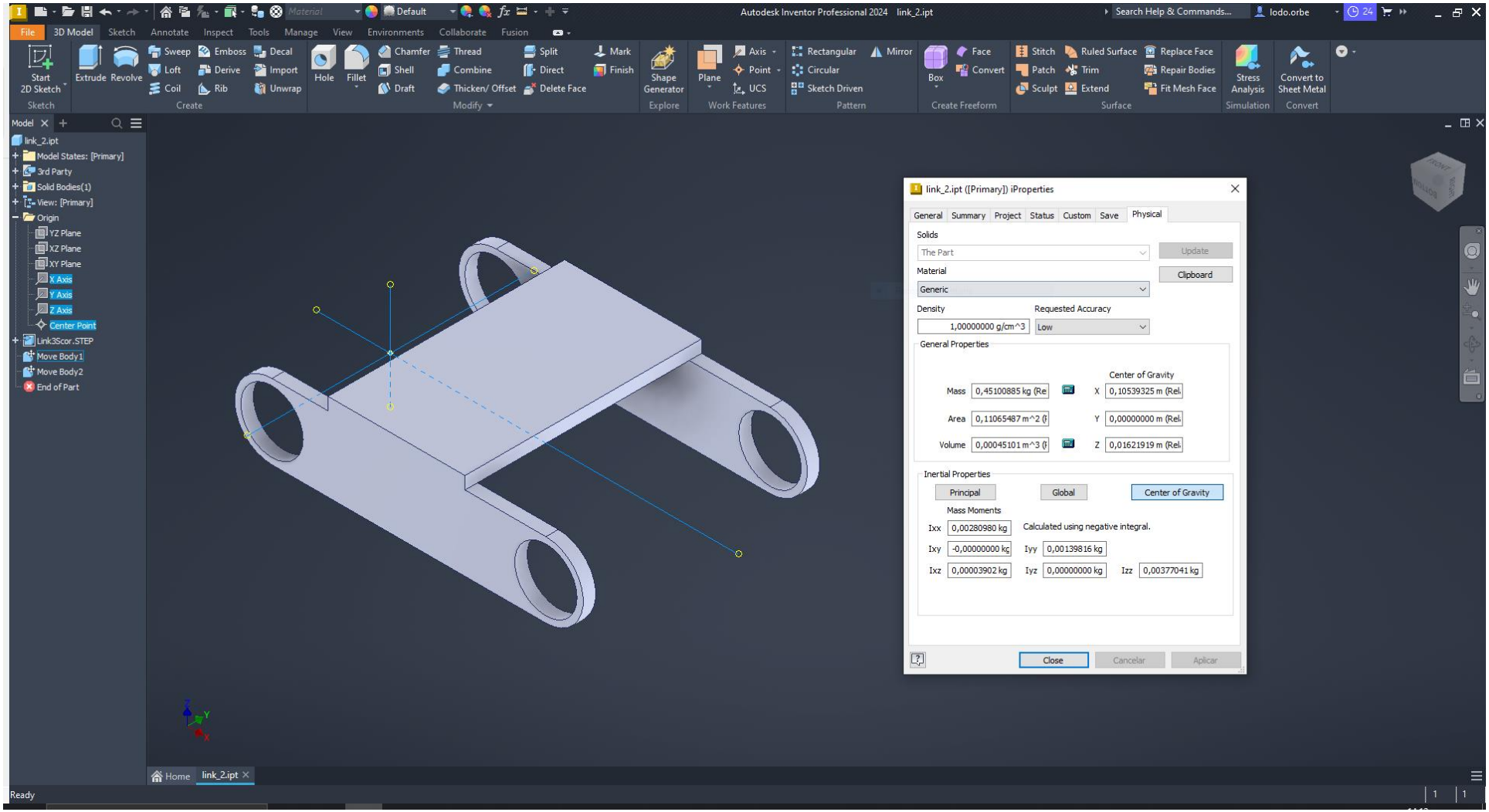
Mass Moments of Inertia with respect to Center of Gravity(Calculated using negative integral)

Ixx 0,00625249 kg m^2 (Relative Error = 0,001125%)

Iyx Iyy -0,00000000 kg m^2 (Relative Error = 0,001125%) 0,00574761 kg m^2 (Relative Error = 0,001125%)

Izx Izy Izz 0,00099059 kg m^2 (Relative Error = 0,001125%) 0,00000000 kg m^2 (Relative Error = 0,001125%) 0,00805851 kg m^2 (Relative Error = 0,001125%)

link_2



Physical Properties for link_2

General Properties:

Mass: 0,45100885 kg (Relative Error = 0,008558%)

Center of Gravity:

X: 0,10539325 m (Relative Error = 0,008558%)

Y: 0,00000000 m (Relative Error = 0,008558%)

Z: 0,01621919 m (Relative Error = 0,008558%)

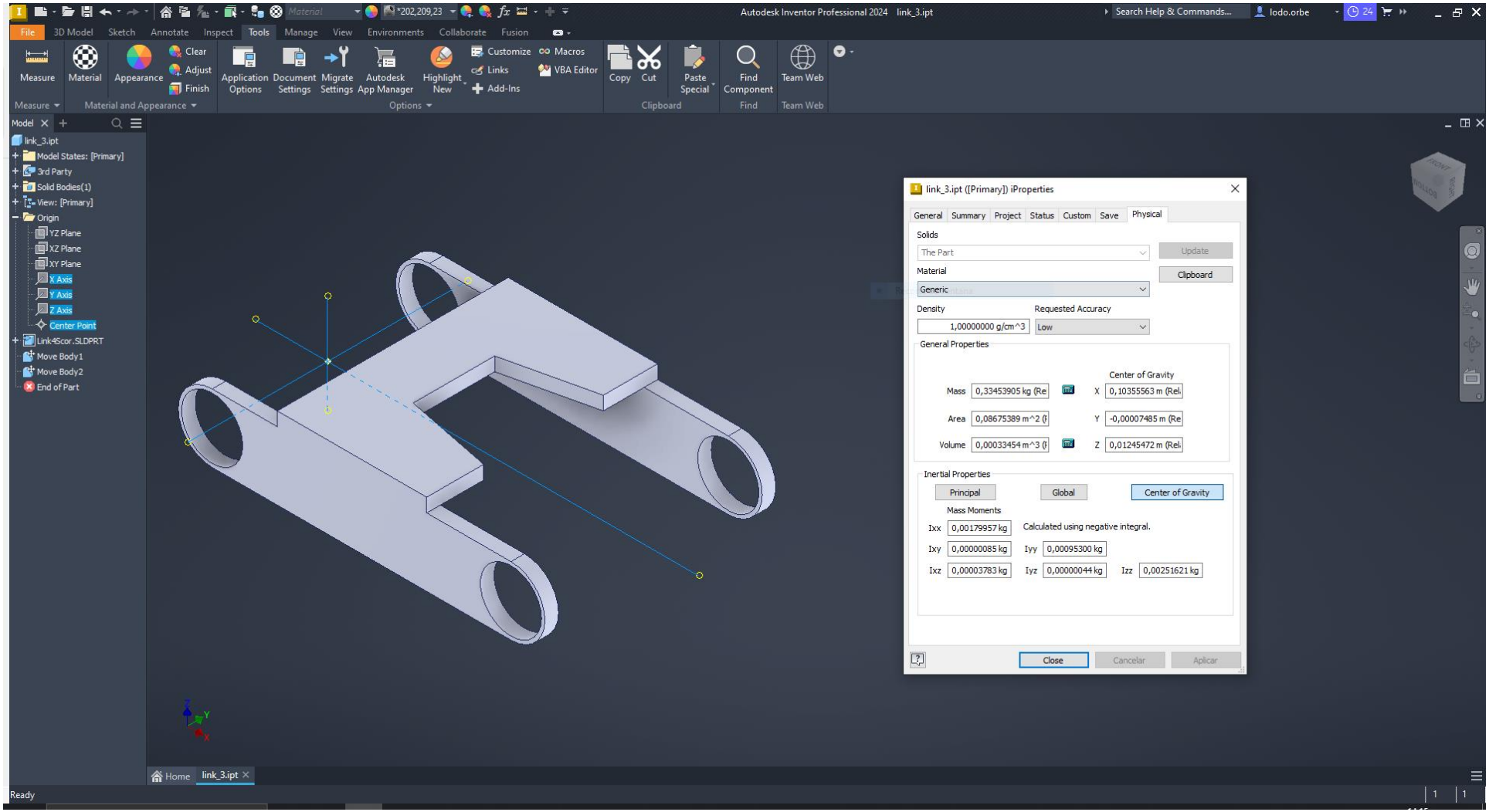
Mass Moments of Inertia with respect to Center of Gravity(Calculated using negative integral)

Ixx 0,00280980 kg m^2 (Relative Error = 0,008558%)

Iyx Iyy -0,00000000 kg m^2 (Relative Error = 0,008558%) 0,00139816 kg m^2 (Relative Error = 0,008558%)

Izx Izy Izz 0,00003902 kg m^2 (Relative Error = 0,008558%) 0,00000000 kg m^2 (Relative Error = 0,008558%) 0,00377041 kg m^2 (Relative Error = 0,008558%)

link_3



Physical Properties for link_3

General Properties:

Mass: 0,33453905 kg (Relative Error = 0,008410%)

Center of Gravity:

X: 0,10355563 m (Relative Error = 0,008410%)

Y: -0,00007485 m (Relative Error = 0,008410%)

Z: 0,01245472 m (Relative Error = 0,008410%)

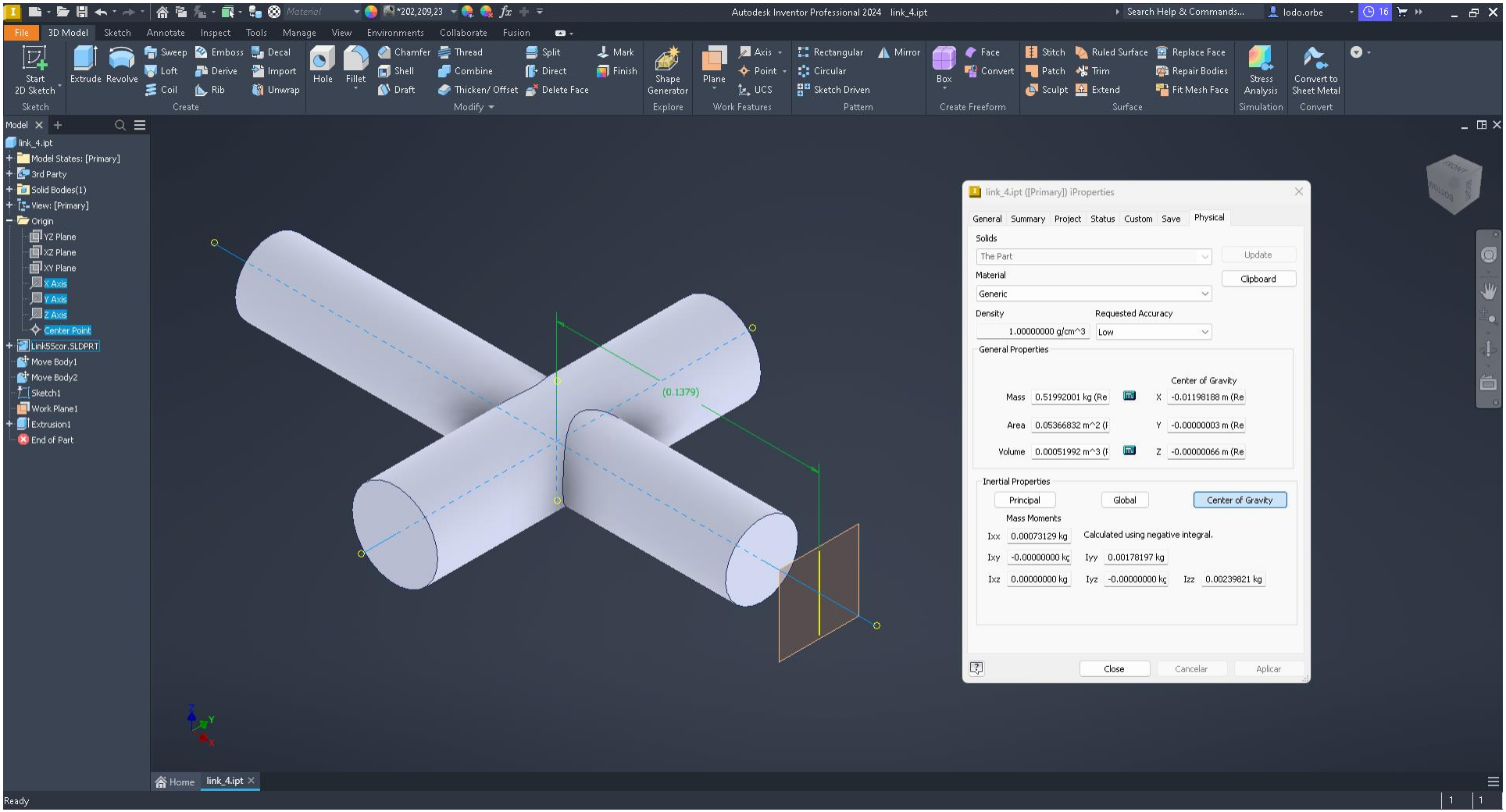
Mass Moments of Inertia with respect to Center of Gravity(Calculated using negative integral)

Ixx 0,00179957 kg m^2 (Relative Error = 0,008410%)

Iyx Iyy 0,00000085 kg m^2 (Relative Error = 0,008410%) 0,00095300 kg m^2 (Relative Error = 0,008410%)

Izx Izy Izz 0,00003783 kg m^2 (Relative Error = 0,008410%) 0,00000044 kg m^2 (Relative Error = 0,008410%) 0,00251621 kg m^2 (Relative Error = 0,008410%)

link_4



Physical Properties for link_4

General Properties:

Mass: 0.51992001 kg (Relative Error = 0.841872%)

Center of Gravity:

X: -0.01198188 m (Relative Error = 0.841872%)

Y: -0.00000003 m (Relative Error = 0.841872%)

Z: -0.00000066 m (Relative Error = 0.841872%)

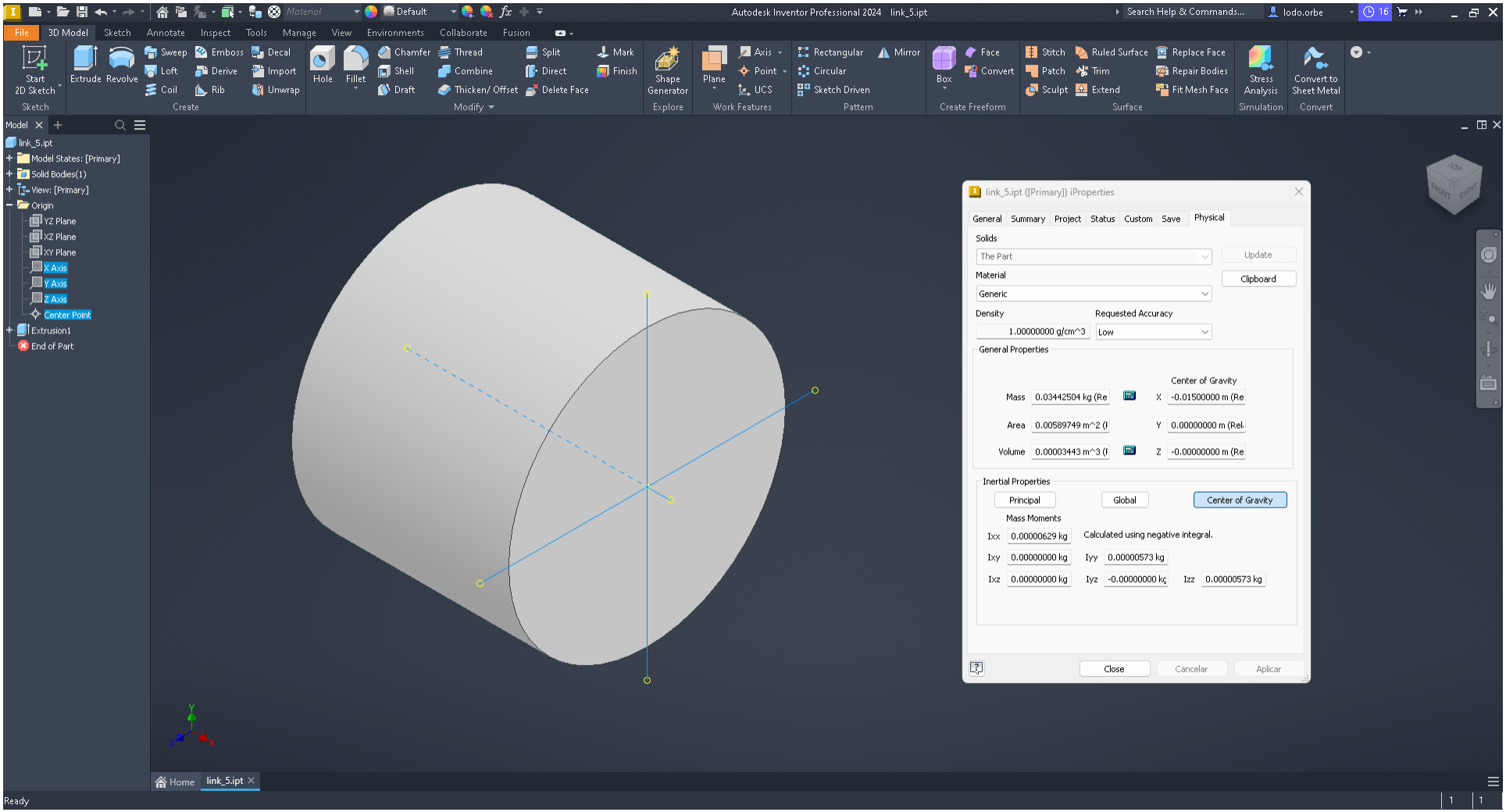
Mass Moments of Inertia with respect to Center of Gravity(Calculated using negative integral)

Ixx 0.00073129 kg m^2 (Relative Error = 0.841872%)

Iyx Iyy -0.00000000 kg m^2 (Relative Error = 0.841872%) 0.00178197 kg m^2 (Relative Error = 0.841872%)

Izx Izy Izz 0.00000000 kg m^2 (Relative Error = 0.841872%) -0.00000000 kg m^2 (Relative Error = 0.841872%) 0.00239821 kg m^2 (Relative Error = 0.841872%)

link_5



Physical Properties for link_5

General Properties:

Mass: 0.03442504 kg (Relative Error = 0.092020%)

Center of Gravity:

X: -0.01500000 m (Relative Error = 0.092020%)

Y: 0.00000000 m (Relative Error = 0.092020%)

Z: -0.00000000 m (Relative Error = 0.092020%)

Mass Moments of Inertia with respect to Center of Gravity(Calculated using negative integral)

Ixx 0.00000629 kg m^2 (Relative Error = 0.092020%)

Iyx Iyy 0.00000000 kg m^2 (Relative Error = 0.092020%) 0.00000573 kg m^2 (Relative Error = 0.092020%)

Izx Izy Izz 0.00000000 kg m^2 (Relative Error = 0.092020%) -0.00000000 kg m^2 (Relative Error = 0.092020%) 0.00000573 kg m^2 (Relative Error = 0.092020%)