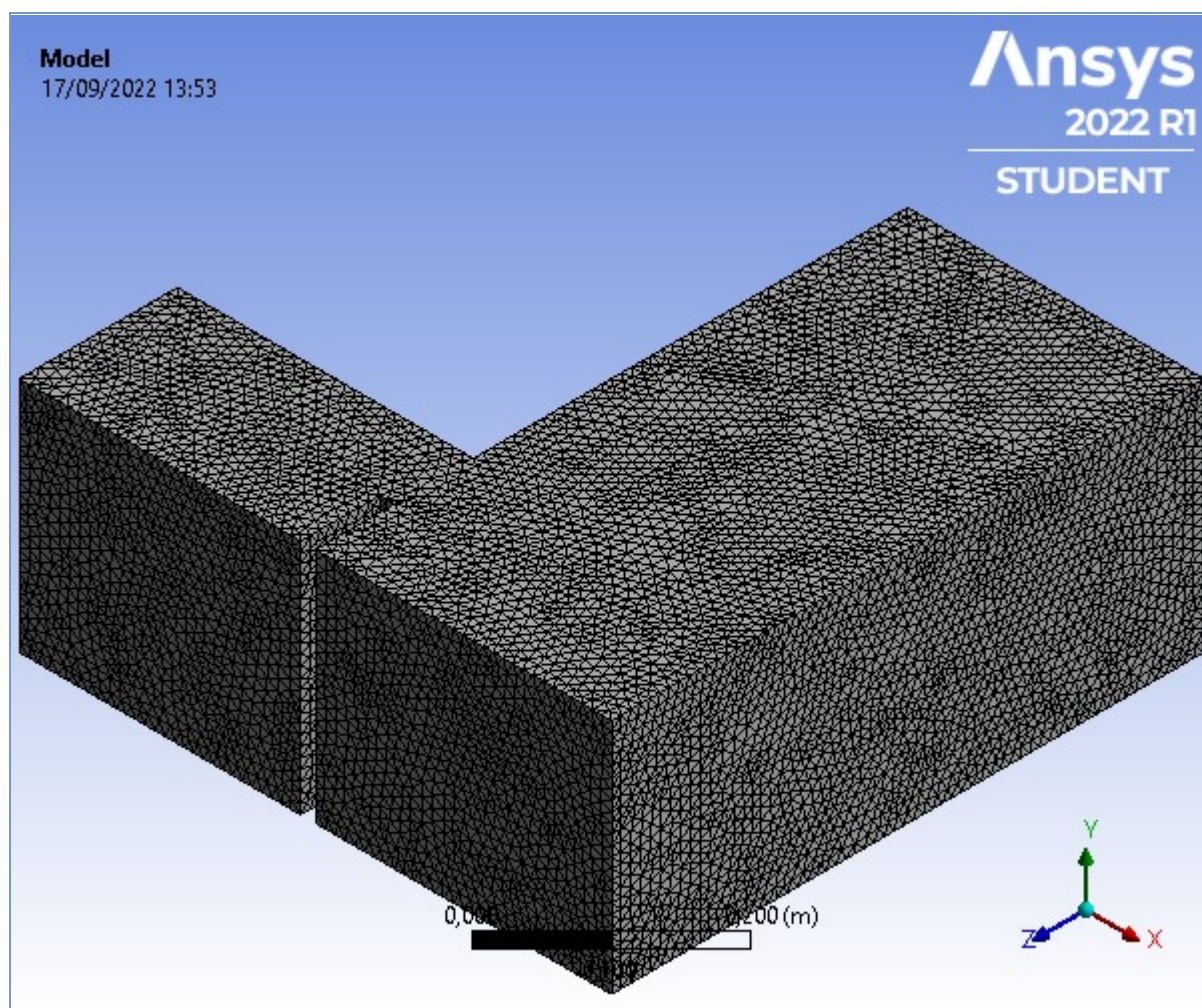




Project*

| | |
|------------------------------|------------------------------|
| First Saved | Saturday, September 17, 2022 |
| Last Saved | Saturday, September 17, 2022 |
| Product Version | 2022 R1 |
| Save Project Before Solution | No |
| Save Project After Solution | No |



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Units

TABLE 1

| Unit System | Metric (m, kg, N, s, V, A) Degrees rad/s Celsius |
|---------------------|--|
| Angle | Degrees |
| Rotational Velocity | rad/s |
| Temperature | Celsius |

Model (A3)

TABLE 2

Model (A3) > Geometry Imports

| Object Name | <i>Geometry Imports</i> |
|-------------|-------------------------|
| State | Solved |

TABLE 3

Model (A3) > Geometry Imports > Geometry Import (A2)

| Object Name | <i>Geometry Import (A2)</i> |
|----------------------------------|--|
| State | Solved |
| Definition | |
| Source | D:\2.UFS\Projeto Pesquisa\Teste_11R\Geometria_10rq.scdoc |
| Type | SpaceClaim |
| Basic Geometry Options | |
| Solid Bodies | Yes |
| Surface Bodies | Yes |
| Line Bodies | Yes |
| Parameters | Independent |
| Parameter Key | |
| Attributes | Yes |
| Attribute Key | |
| Named Selections | Yes |
| Named Selection Key | |
| Material Properties | Yes |
| Advanced Geometry Options | |
| Use Associativity | Yes |
| Coordinate Systems | Yes |
| Coordinate System Key | |
| Reader Mode Saves Updated File | No |
| Use Instances | Yes |
| Smart CAD Update | Yes |

| | |
|-----------------------------------|-----------|
| Compare Parts On Update | No |
| Compare Parts Tolerance | Tight |
| Analysis Type | 3-D |
| Mixed Import Resolution | None |
| Import Facet Quality | Source |
| Clean Bodies On Import | No |
| Stitch Surfaces On Import | None |
| Stitch Tolerance | 0,0000001 |
| Decompose Disjoint Geometry | Yes |
| Enclosure and Symmetry Processing | Yes |

Geometry

TABLE 4
Model (A3) > Geometry

| | |
|----------------------------------|--|
| Object Name | Geometry |
| State | Fully Defined |
| Definition | |
| Source | D:\2.UFS\Projeto Pesquisa\Teste_11R\Geometria_10rq.scdoc |
| Type | SpaceClaim |
| Length Unit | Meters |
| Bounding Box | |
| Length X | 0,6 m |
| Length Y | 0,24 m |
| Length Z | 0,6 m |
| Properties | |
| Volume | 5,4432e-002 m³ |
| Scale Factor Value | 1, |
| Statistics | |
| Bodies | 1 |
| Active Bodies | 1 |
| Nodes | 43476 |
| Elements | 224043 |
| Mesh Metric | Orthogonal Quality |
| Min | 0,20394 |
| Max | 0,99693 |
| Average | 0,77124 |
| Standard Deviation | 0,1158 |
| Update Options | |
| Assign Default Material | No |
| Basic Geometry Options | |
| Solid Bodies | Yes |
| Surface Bodies | Yes |
| Line Bodies | Yes |
| Parameters | Independent |
| Parameter Key | |
| Attributes | Yes |
| Attribute Key | |
| Named Selections | Yes |
| Named Selection Key | |
| Material Properties | Yes |
| Advanced Geometry Options | |
| Use Associativity | Yes |
| Coordinate Systems | Yes |
| Coordinate System Key | |
| Reader Mode Saves Updated File | No |

| | |
|-----------------------------------|--------|
| Use Instances | Yes |
| Smart CAD Update | Yes |
| Compare Parts On Update | No |
| Analysis Type | 3-D |
| Mixed Import Resolution | None |
| Import Facet Quality | Source |
| Clean Bodies On Import | No |
| Stitch Surfaces On Import | None |
| Decompose Disjoint Geometry | Yes |
| Enclosure and Symmetry Processing | Yes |

TABLE 5
Model (A3) > Geometry > Parts

| | |
|----------------------------|------------------------------|
| Object Name | <i>Geometria_10rq\Sólido</i> |
| State | Meshed |
| Graphics Properties | |
| Visible | Yes |
| Transparency | 1 |
| Definition | |
| Suppressed | No |
| Coordinate System | Default Coordinate System |
| Treatment | None |
| Reference Frame | Lagrangian |
| Material | |
| Assignment | |
| Fluid/Solid | Defined By Geometry (Solid) |
| Bounding Box | |
| Length X | 0,6 m |
| Length Y | 0,24 m |
| Length Z | 0,6 m |
| Properties | |
| Volume | 5,4432e-002 m ³ |
| Centroid X | 0,68734 m |
| Centroid Y | 0,12 m |
| Centroid Z | 0,94519 m |
| Statistics | |
| Nodes | 43476 |
| Elements | 224043 |
| Mesh Metric | Orthogonal Quality |
| Min | 0,20394 |
| Max | 0,99693 |
| Average | 0,77124 |
| Standard Deviation | 0,1158 |
| CAD Attributes | |
| PartTolerance: | 0,00000001 |
| Color:143.175.143 | |

TABLE 6
Model (A3) > Materials

| | |
|----------------------|------------------|
| Object Name | <i>Materials</i> |
| State | Fully Defined |
| Statistics | |
| Materials | 0 |
| Material Assignments | 0 |

Coordinate Systems

TABLE 7
Model (A3) > Coordinate Systems > Coordinate System

| | |
|----------------------------|---------------------------------|
| Object Name | <i>Global Coordinate System</i> |
| State | Fully Defined |
| Definition | |
| Type | Cartesian |
| Coordinate System ID | 0, |
| Origin | |
| Origin X | 0, m |
| Origin Y | 0, m |
| Origin Z | 0, m |
| Directional Vectors | |
| X Axis Data | [1, 0, 0,] |
| Y Axis Data | [0, 1, 0,] |
| Z Axis Data | [0, 0, 1,] |

Mesh

TABLE 8
Model (A3) > Mesh

| | |
|-----------------------------|---------------------------|
| Object Name | <i>Mesh</i> |
| State | Solved |
| Display | |
| Display Style | Use Geometry Setting |
| Defaults | |
| Physics Preference | CFD |
| Solver Preference | Fluent |
| Element Order | Linear |
| Element Size | 9,9e-003 m |
| Export Format | Standard |
| Export Preview Surface Mesh | No |
| Sizing | |
| Use Adaptive Sizing | No |
| Growth Rate | Default (1,2) |
| Max Size | Default (1,98e-002 m) |
| Mesh Defeaturing | Yes |
| Defeature Size | Default (4,95e-005 m) |
| Capture Curvature | Yes |
| Curvature Min Size | Default (9,9e-005 m) |
| Curvature Normal Angle | Default (18,°) |
| Capture Proximity | No |
| Bounding Box Diagonal | 0,88182 m |
| Average Surface Area | 6,675e-002 m ² |
| Minimum Edge Length | 6,2832e-003 m |
| Quality | |
| Check Mesh Quality | Yes, Errors |
| Target Skewness | Default (0,9) |
| Smoothing | Medium |
| Mesh Metric | Orthogonal Quality |
| Min | 0,20394 |
| Max | 0,99693 |
| Average | 0,77124 |
| Standard Deviation | 0,1158 |
| Inflation | |
| Use Automatic Inflation | None |
| Inflation Option | Smooth Transition |

| | |
|--|-----------------------|
| Transition Ratio | 0,272 |
| Maximum Layers | 5 |
| Growth Rate | 1,2 |
| Inflation Algorithm | Pre |
| View Advanced Options | No |
| Advanced | |
| Number of CPUs for Parallel Part Meshing | Program Controlled |
| Straight Sided Elements | |
| Rigid Body Behavior | Dimensionally Reduced |
| Triangle Surface Mesher | Program Controlled |
| Topology Checking | Yes |
| Pinch Tolerance | Default (8,91e-005 m) |
| Generate Pinch on Refresh | No |
| Statistics | |
| Nodes | 43476 |
| Elements | 224043 |

Named Selections

TABLE 9
Model (A3) > Named Selections > Named Selections

| Object Name | Porta | Janela | Basculante | Gas |
|------------------------------|--------------------|-------------|-------------|----------------|
| State | Fully Defined | | | |
| Scope | | | | |
| Scoping Method | Geometry Selection | | | |
| Geometry | 1 Face | | | |
| Definition | | | | |
| Send to Solver | Yes | | | |
| Protected | Program Controlled | | | |
| Visible | Yes | | | |
| Program Controlled Inflation | Exclude | | | |
| Statistics | | | | |
| Type | Imported | | | |
| Total Selection | 1 Face | | | |
| Surface Area | 1,68e-002 m² | 2,2e-002 m² | 7,2e-003 m² | 3,1257e-006 m² |
| Suppressed | 0 | | | |
| Used by Mesh Worksheet | No | | | |