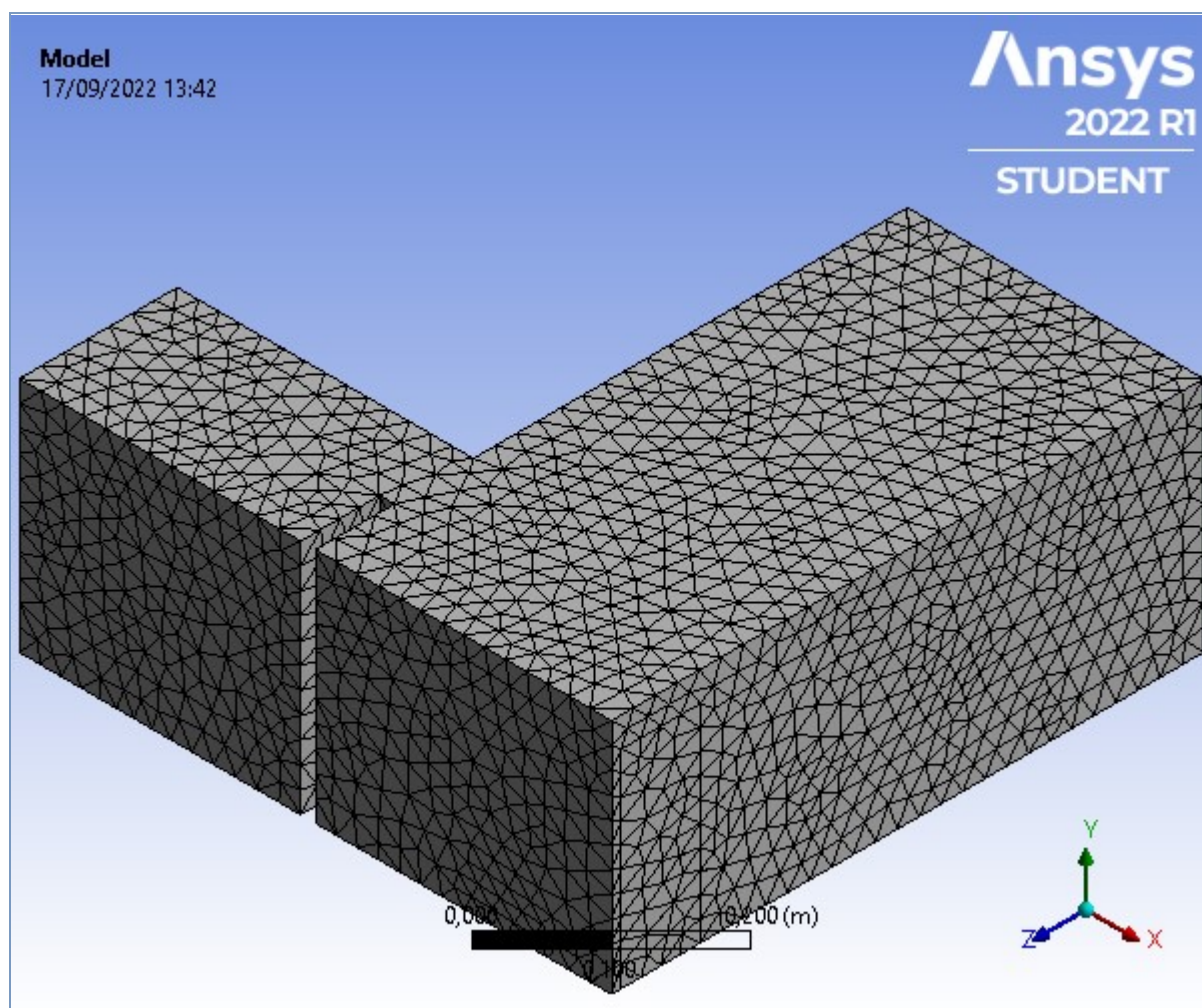




## Project\*

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
<b>Definition</b>	
Source	D:\2.UFS\Projeto Pesquisa\Teste_11R\Geometria_10rq.scdoc
Type	SpaceClaim
<b>Basic Geometry Options</b>	
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
<b>Advanced Geometry Options</b>	
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
<b>Definition</b>	
Source	D:\2.UFS\Projeto Pesquisa\Teste_11R\Geometria_10rq.scdoc
Type	SpaceClaim
Length Unit	Meters
<b>Bounding Box</b>	
Length X	0,6 m
Length Y	0,24 m
Length Z	0,6 m
<b>Properties</b>	
Volume	5,4432e-002 m³
Scale Factor Value	1,
<b>Statistics</b>	
Bodies	1
Active Bodies	1
Nodes	9169
Elements	45471
Mesh Metric	Orthogonal Quality
Min	0,21583
Max	0,99333
Average	0,7636
Standard Deviation	0,11892
<b>Update Options</b>	
Assign Default Material	No
<b>Basic Geometry Options</b>	
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
<b>Advanced Geometry Options</b>	
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
<b>Graphics Properties</b>	
Visible	Yes
Transparency	1
<b>Definition</b>	
Suppressed	No
Coordinate System	Default Coordinate System
Treatment	None
Reference Frame	Lagrangian
<b>Material</b>	
Assignment	
Fluid/Solid	Defined By Geometry (Solid)
<b>Bounding Box</b>	
Length X	0,6 m
Length Y	0,24 m
Length Z	0,6 m
<b>Properties</b>	
Volume	5,4432e-002 m <sup>3</sup>
Centroid X	0,68734 m
Centroid Y	0,12 m
Centroid Z	0,94519 m
<b>Statistics</b>	
Nodes	9169
Elements	45471
Mesh Metric	Orthogonal Quality
Min	0,21583
Max	0,99333
Average	0,7636
Standard Deviation	0,11892
<b>CAD Attributes</b>	
PartTolerance:	0,00000001
Color:143.175.143	

**TABLE 6**  
**Model (A3) > Materials**

Object Name	<i>Materials</i>
State	Fully Defined
<b>Statistics</b>	
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
<b>Definition</b>	
Type	Cartesian
Coordinate System ID	0,
<b>Origin</b>	
Origin X	0, m
Origin Y	0, m
Origin Z	0, m
<b>Directional Vectors</b>	
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
<b>Display</b>	
Display Style	Use Geometry Setting
<b>Defaults</b>	
Physics Preference	CFD
Solver Preference	Fluent
Element Order	Linear
Element Size	2,2e-002 m
Export Format	Standard
Export Preview Surface Mesh	No
<b>Sizing</b>	
Use Adaptive Sizing	No
Growth Rate	Default (1,2)
Max Size	Default (4,4e-002 m)
Mesh Defeaturing	Yes
Defeature Size	Default (1,1e-004 m)
Capture Curvature	Yes
Curvature Min Size	Default (2,2e-004 m)
Curvature Normal Angle	Default (18,°)
Capture Proximity	No
Bounding Box Diagonal	0,88182 m
Average Surface Area	6,675e-002 m <sup>2</sup>
Minimum Edge Length	6,2832e-003 m
<b>Quality</b>	
Check Mesh Quality	Yes, Errors
Target Skewness	Default (0,9)
Smoothing	Medium
Mesh Metric	Orthogonal Quality
Min	0,21583
Max	0,99333
Average	0,7636
Standard Deviation	0,11892
<b>Inflation</b>	
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
<b>Advanced</b>	
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 (1,98e-004 m)
Generate Pinch on Refresh	No
<b>Statistics</b>	
Nodes	9169
Elements	45471

## 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			