Project*

First Saved	Thursday, January 19, 2023
Last Saved	Thursday, January 19, 2023
Product Version	2022 R1
Save Project Before Solution	No
Save Project After Solution	No

Contents

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	*Geometry Imports*
State	Solved
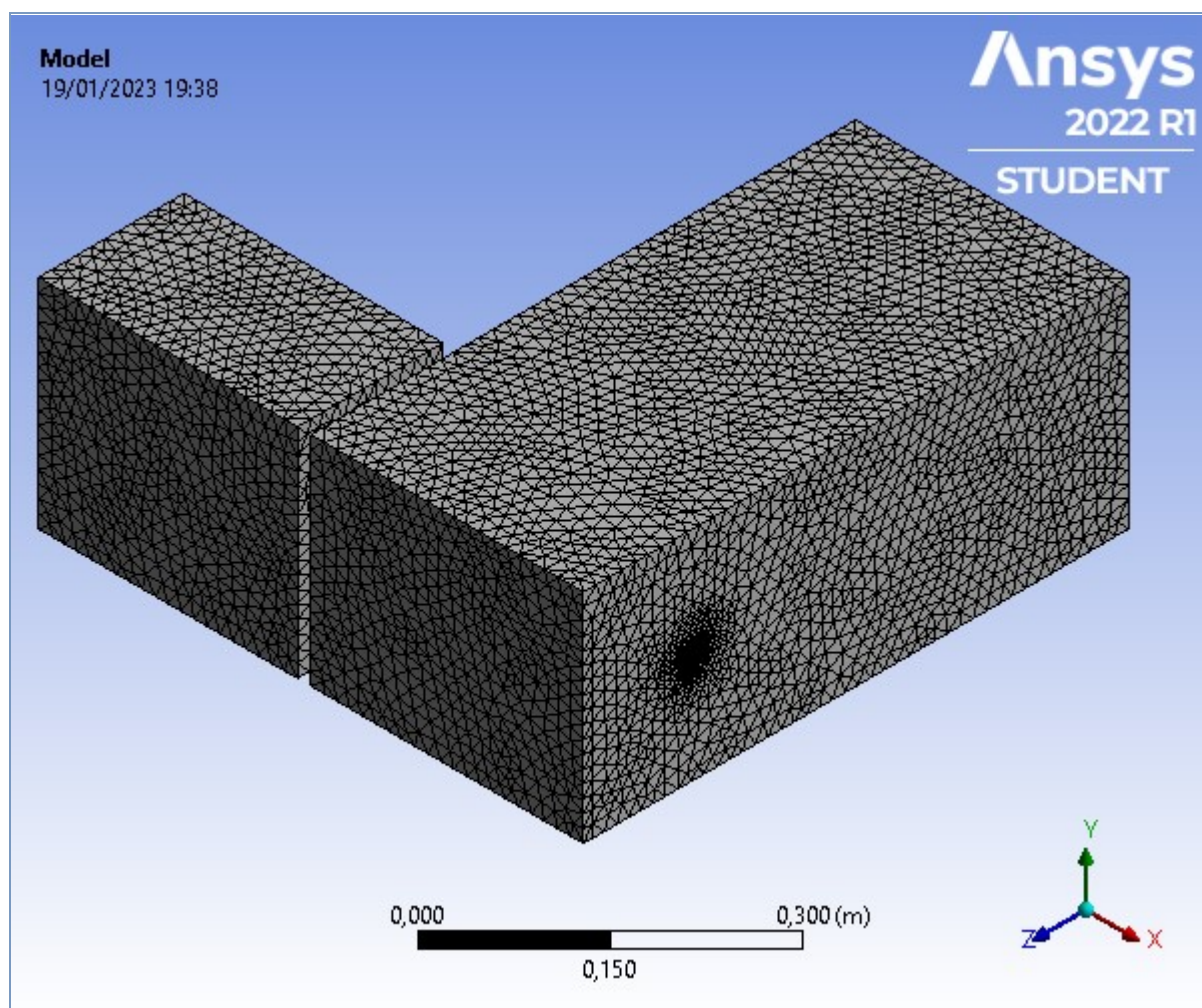
TABLE 3
Model (A3) > Geometry Imports > Geometry Import (A2)

Object Name	*Geometry Import (A2)*
State	Solved
Definition	
Source	D:\2.UFS\Projeto Pesquisa\Dissertação\Geometria_final.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\Dissertação\Geometria_final.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	5,4396e-002 m³
Scale Factor Value	1,
Statistics	
Bodies	1
Active Bodies	1
Nodes	24438
Elements	125091
Mesh Metric	None
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	Geometria_final\Sólido
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	5,4396e-002 m³
Centroid X	0,6874 m
Centroid Y	0,11993 m
Centroid Z	0,9451 m
Statistics	
Nodes	24438
Elements	125091
Mesh Metric	None
CAD Attributes	
PartTolerance:	0,00000001
Color:143.175.143	

TABLE 6
Model (A3) > Materials

Object Name	Materials
State	Fully Defined
Statistics	
Materials	0
Material Assignments	0

Coordinate Systems

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

Object Name	Global Coordinate System
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	*Mesh*
State	Solved
Display	
Display Style	Use Geometry Setting
Defaults	
Physics Preference	CFD
Solver Preference	Fluent
Element Order	Linear
Element Size	1,43e-002 m
Export Format	Standard
Export Preview Surface Mesh	No
Sizing	
Use Adaptive Sizing	No
Growth Rate	Default (1,2)
Max Size	Default (2,86e-002 m)
Mesh Defeaturing	Yes
Defeature Size	Default (7,15e-005 m)
Capture Curvature	Yes
Curvature Min Size	Default (1,43e-004 m)
Curvature Normal Angle	Default (18,°)
Capture Proximity	No
Bounding Box Diagonal	0,88182 m
Average Surface Area	5,6416e-002 m²
Minimum Edge Length	6,2832e-003 m
Quality	
Check Mesh Quality	Yes, Errors
Target Skewness	Default (0,9)
Smoothing	Medium
Mesh Metric	None
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 (1,287e-004 m)
Generate Pinch on Refresh	No
Statistics	
Nodes	24438
Elements	125091

Named Selections

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

Object Name	*Porta*	*Janela*	*Basculante*	*Gas*	*Gas_neutro*
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				