3D

1.Create

1.1 Angular cylinder pipe G-CODE

- Basic input data

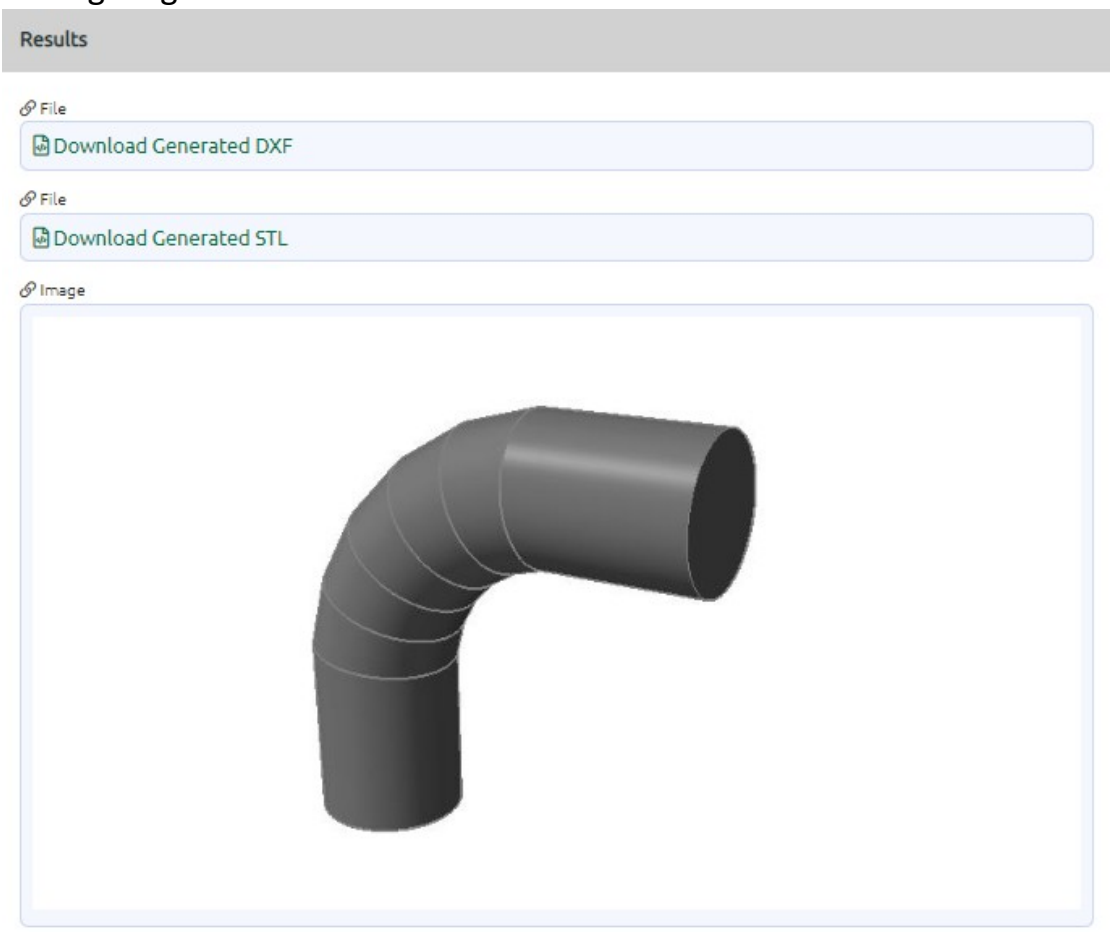
Segments: 7

Diameter: 10

Radius of the pipe angle: 10

Starting length: 10

Ending length: 10



1.2 Arrow

- Basic input data

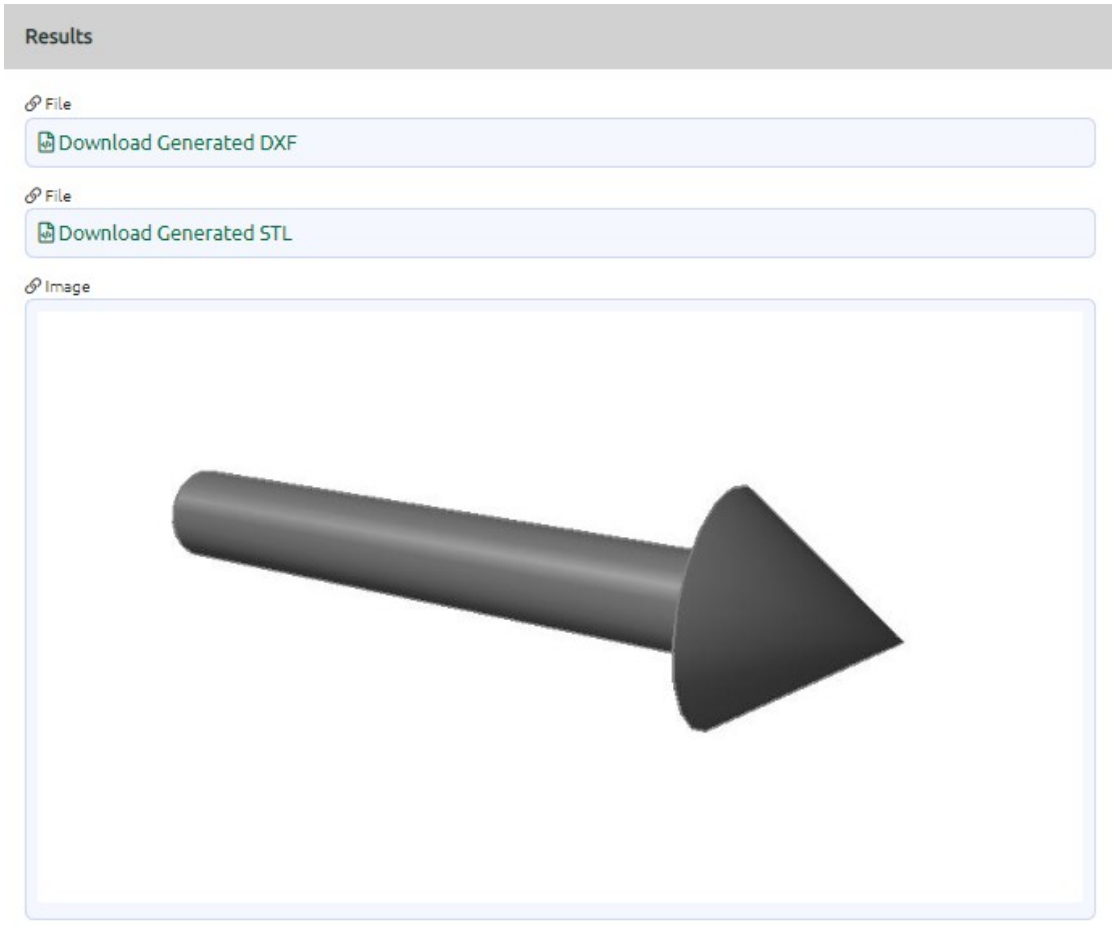
Cyl radius: 1.5

Cyl length: 20

Cone radius: 3.5

Cone length: 5

Slices: 20



1.3 Box

- Basic input data

Insertion point X: 0

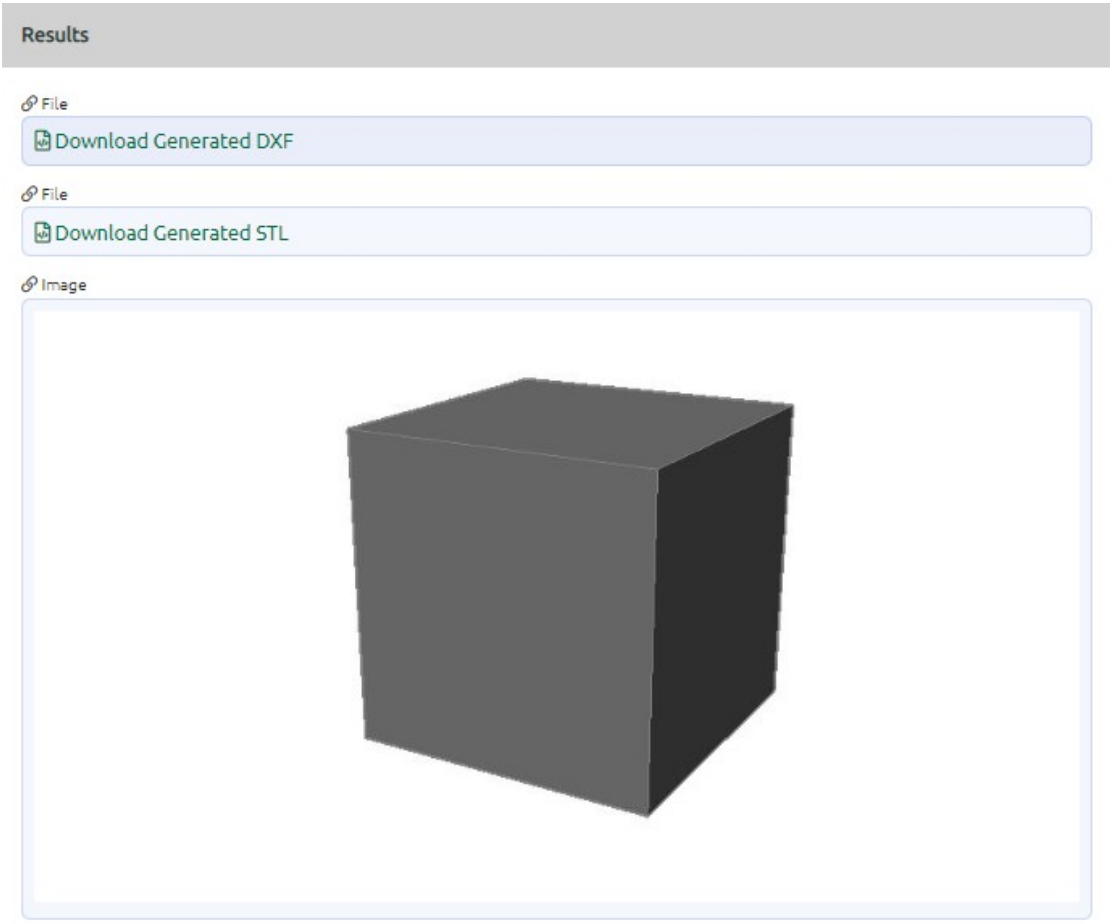
Insertion point Y: 0

Insertion point Z: 0

Width: 5

Depth: 5

Height: 5



1.4 Cone

- Basic input data

Center point X: 0

Center point Y:

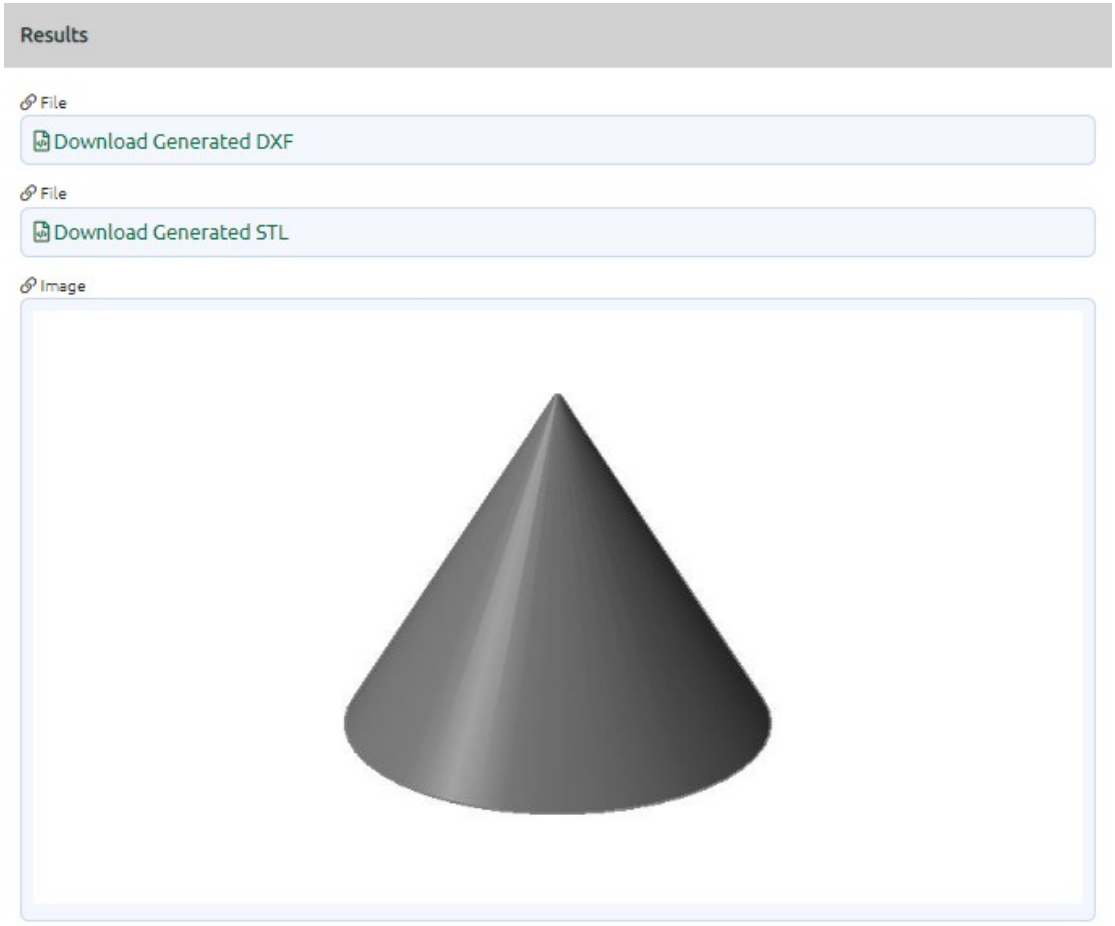
Center point Z: 0

Base radius: 10

Top radius: 0

Height: 15

Slices: 50



1.5 Cylinder

- Basic input data

Center point X: 0

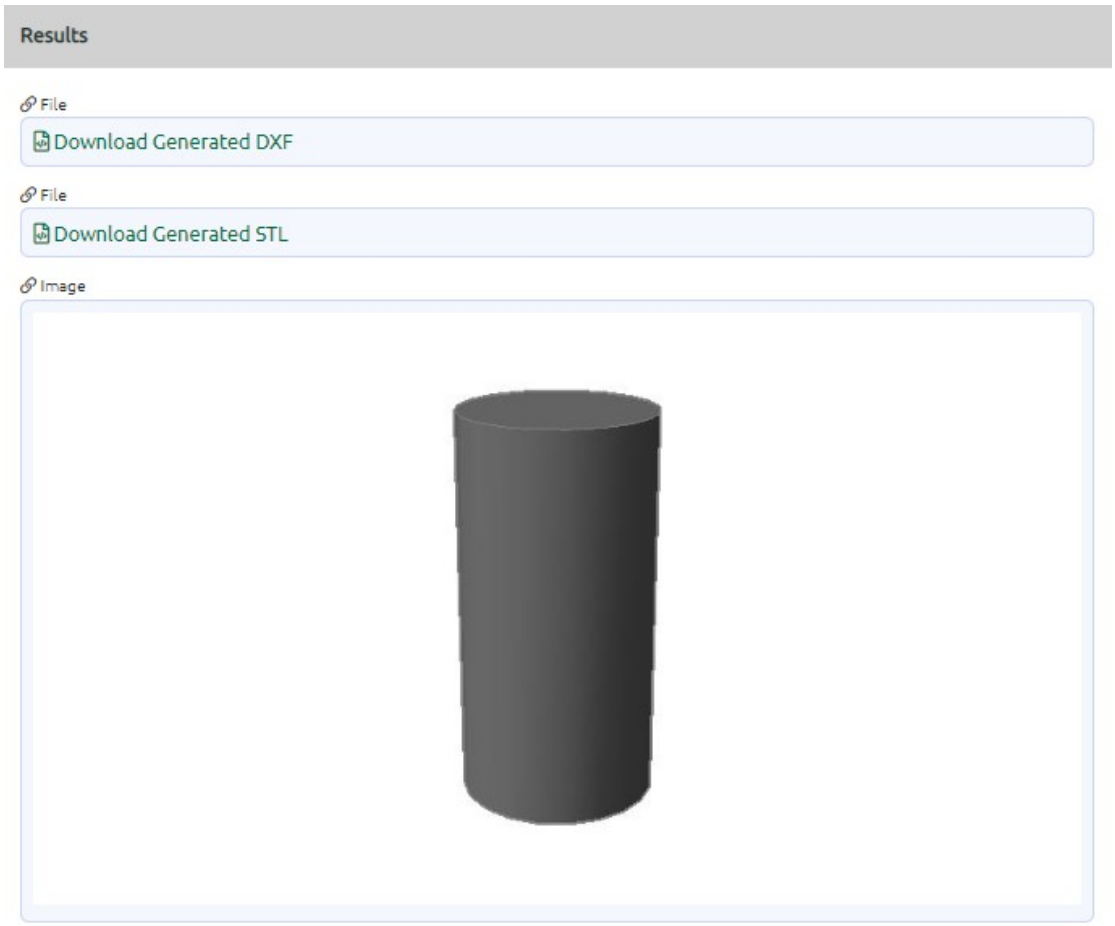
Center point Y: 0

Center point Z: 0

Radius: 5

Height: 20

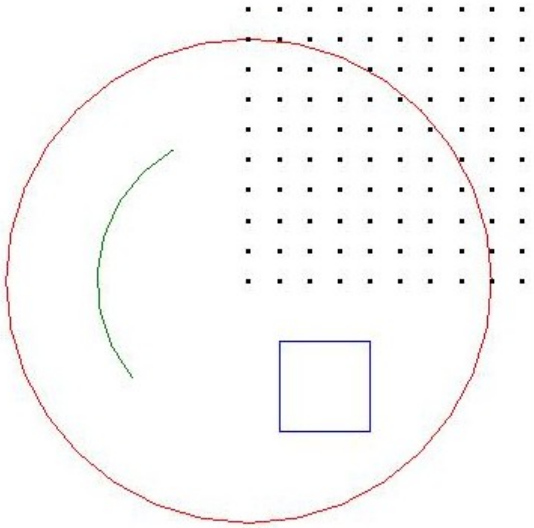
Slices: 20



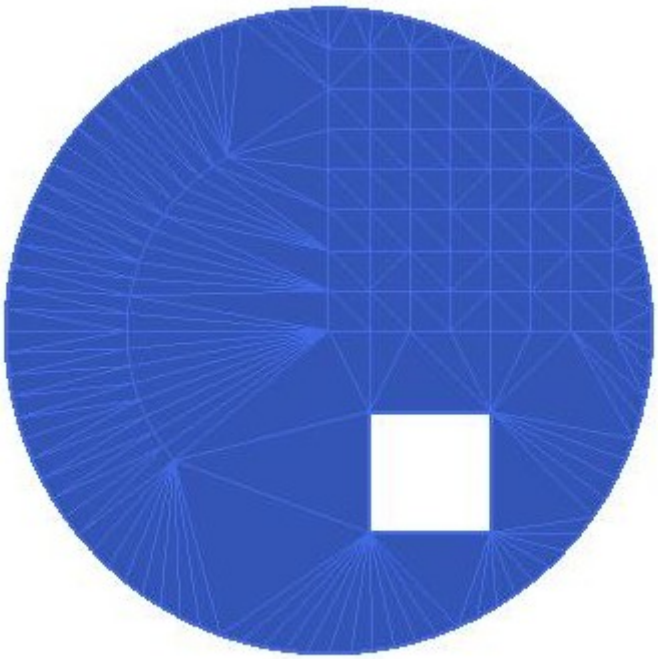
1.6 Delaunay triangulation

This app creates a Delaunay triangulation Mesh from a drawing with points or loops and line segments or both

Original shapes:



-Results



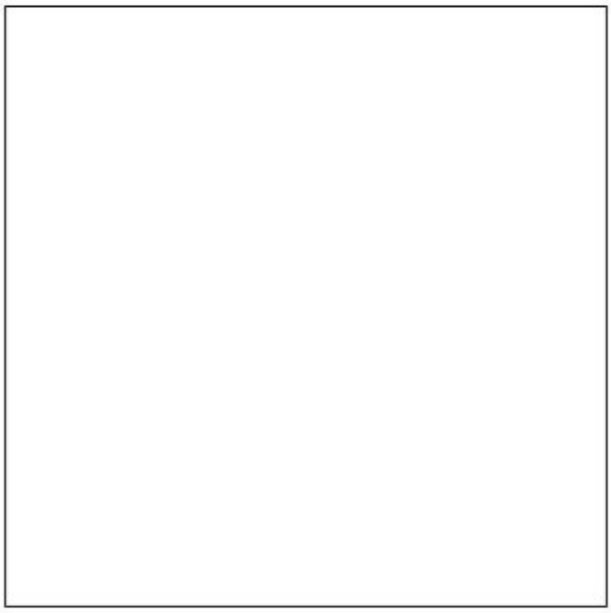
1.7 Extrude

The Extrude app is used by giving it a close shape, for example a rectangle and the high we want and the app makes it into a solid shape.

- Basic input data

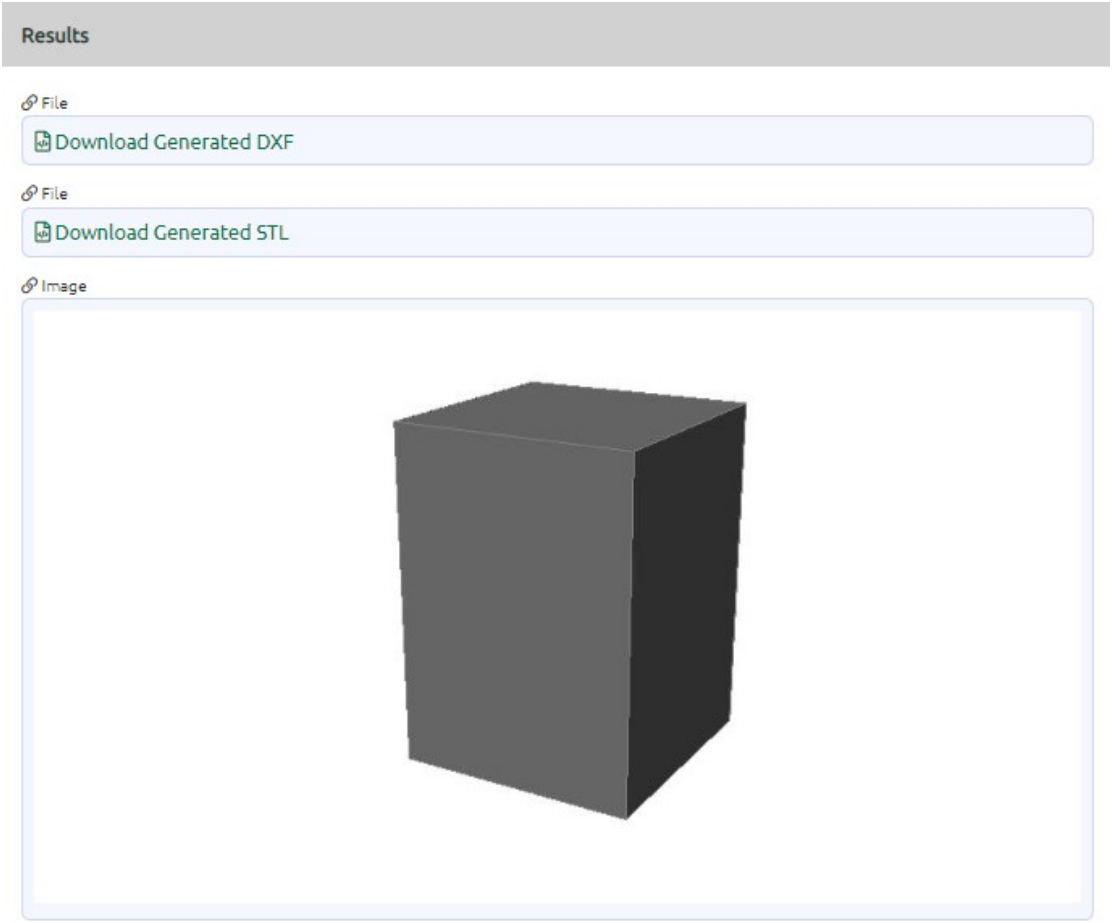
Upload your file, Allowed file types: dxf, dwg

Original file:



Extrude height: 7

Result type: Solid



1.8 Helix

- Basic input data

Center point X: 0

Center point Y: 0

Center point Z: 0

Radius: 15

Wire radius: 1

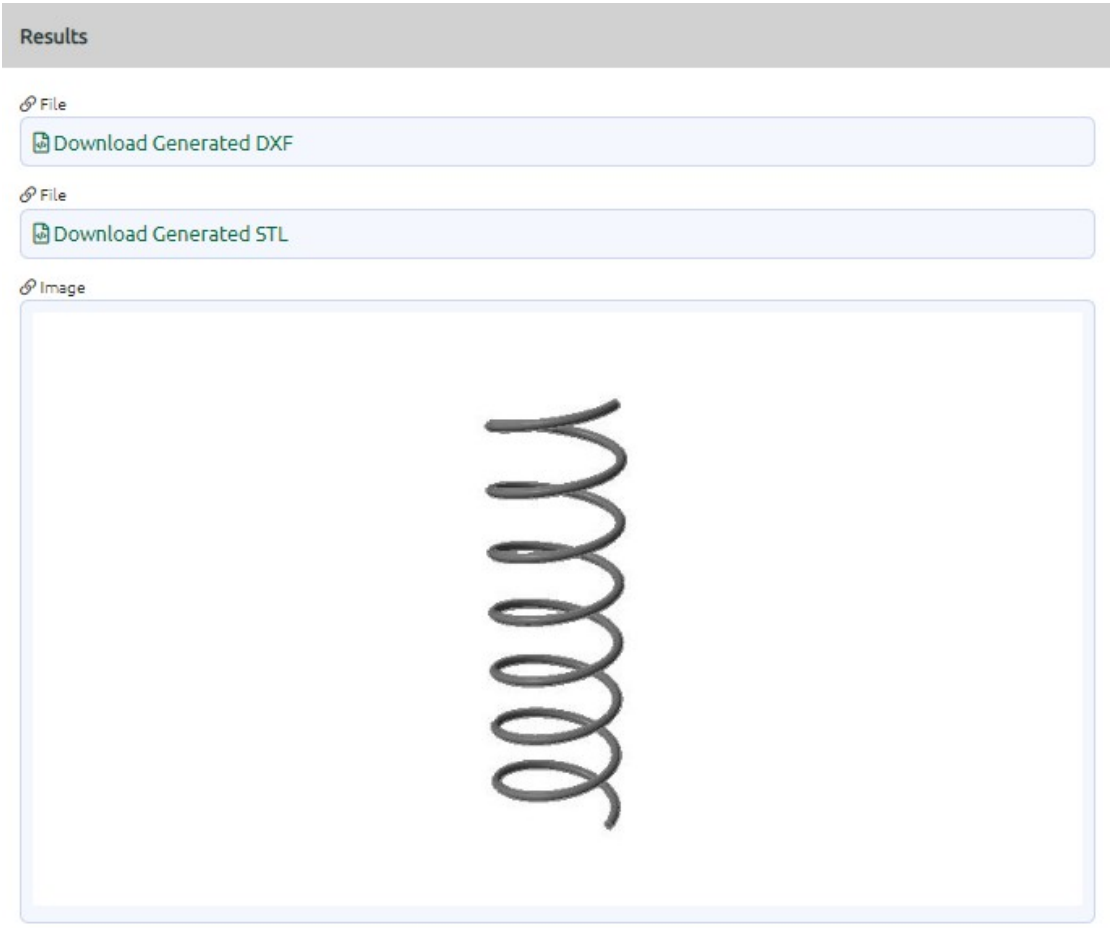
Sides: 100

Rings: 50

Pitch: 15

Turns: 7

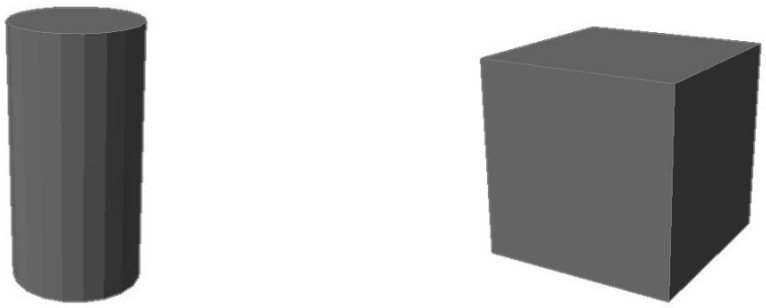
Reverse twist: No



1.9 Intersect

Upload two 3D shapes to intersect them.

Original shapes:



Results

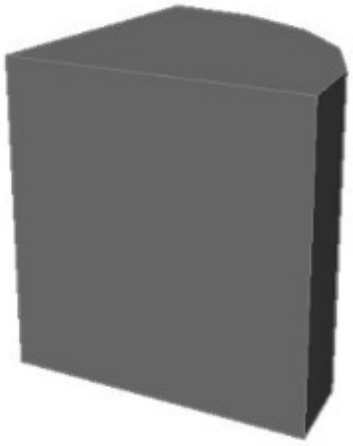
File

Download Generated DXF

File

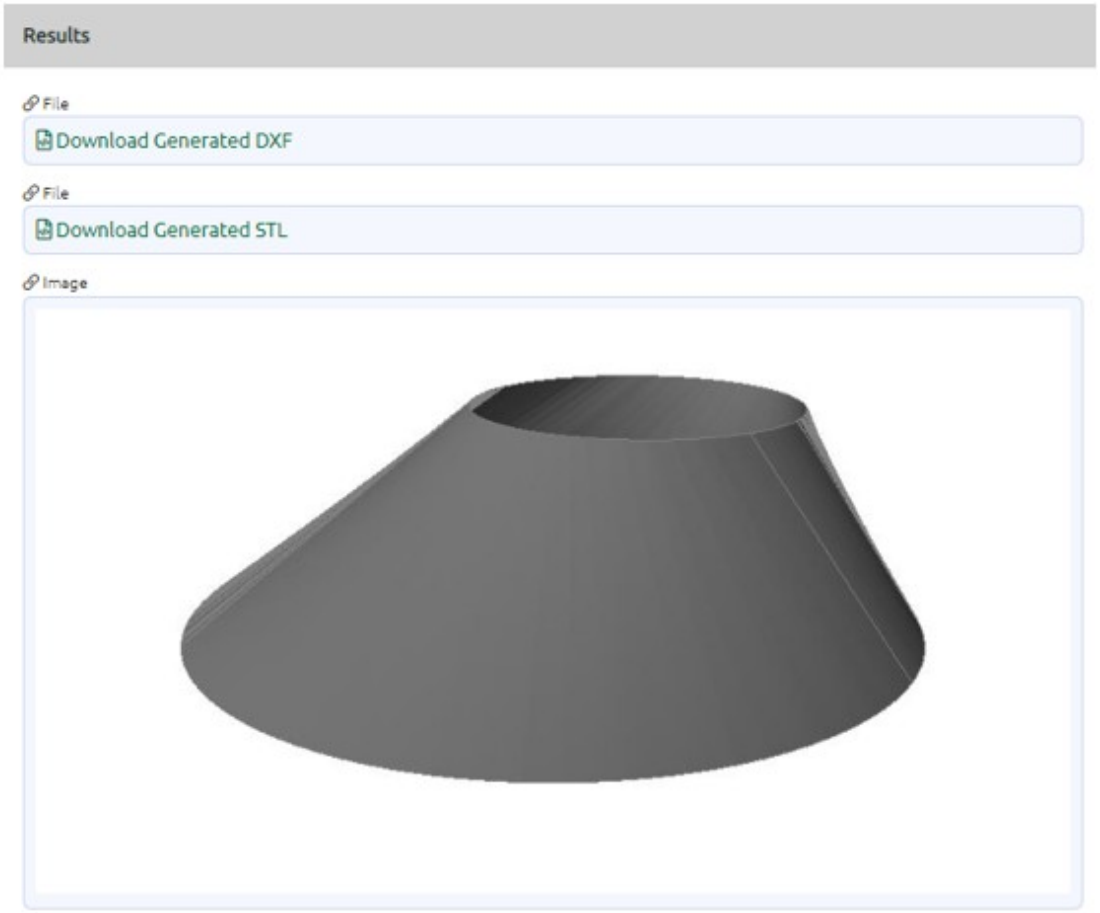
Download Generated STL

Image



1.10 Loft

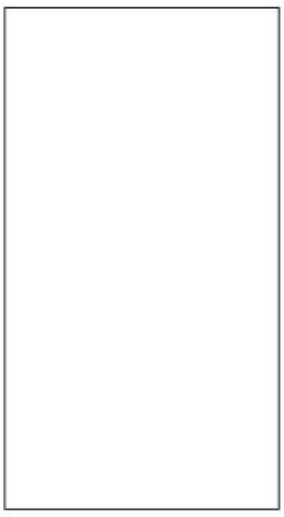
Upload two 2D shapes and the Loft app will join them and make a 3D shape.



1.11 Revolve

Upload two 3D shapes to intersect them.

Original files:



- Basic input data

Revolve line start point X: 180

Revolve line Start point Y: 0

Revolve line Start point Z: 0

Revolve line end point X: 180

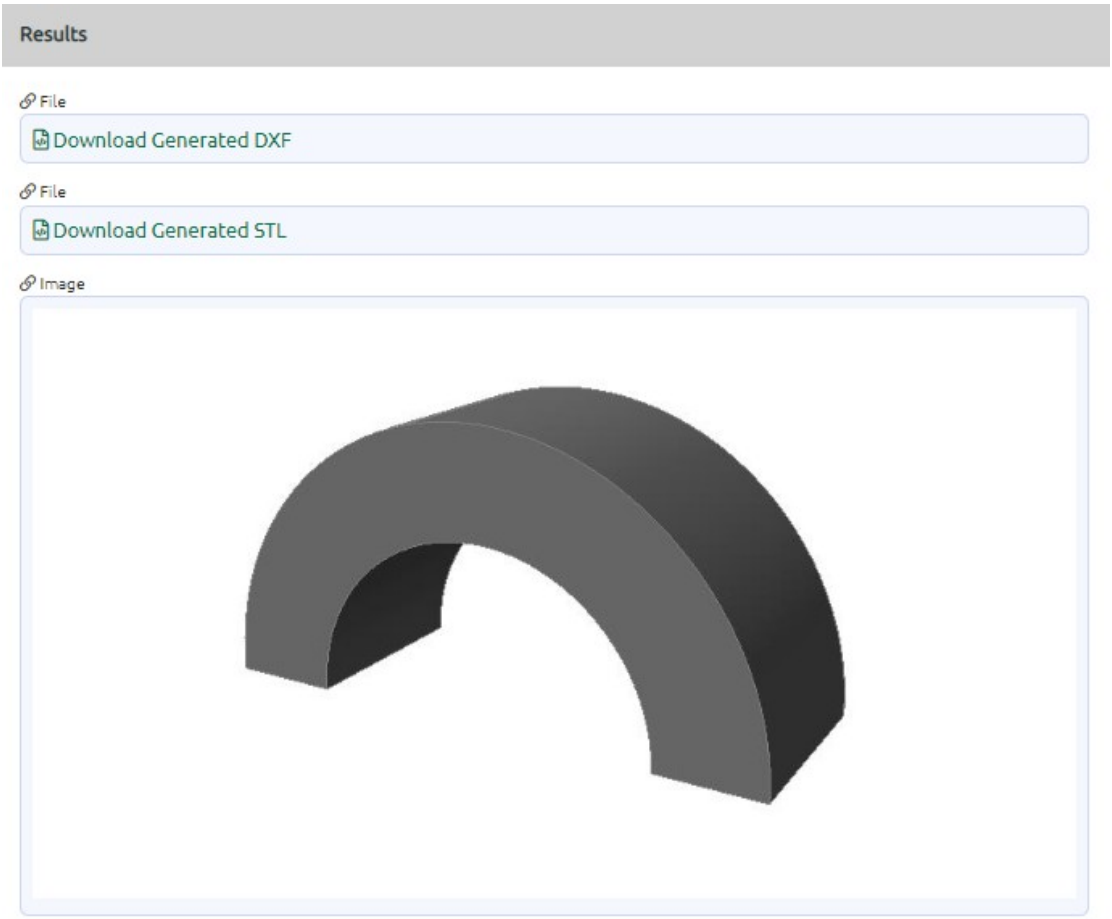
Revolve line end point Y: 80

Revolve line end point Z: 0

Start angle: 0

Angle increment: 180

Result type: Surface

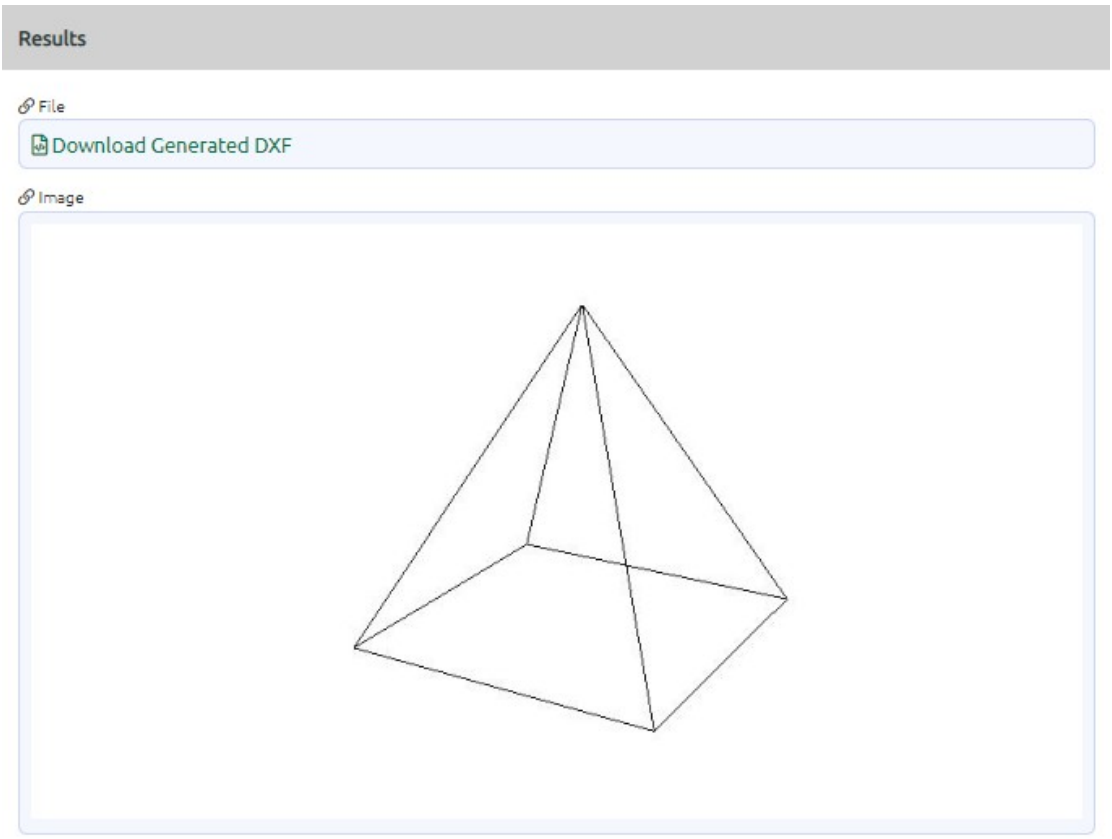


1.12 Roof

Upload a 2D shapes and select roof hight.

- Basic input data

Roof height: 5



1.13 S shape cylinder pipe G-CODE

- Basic input data

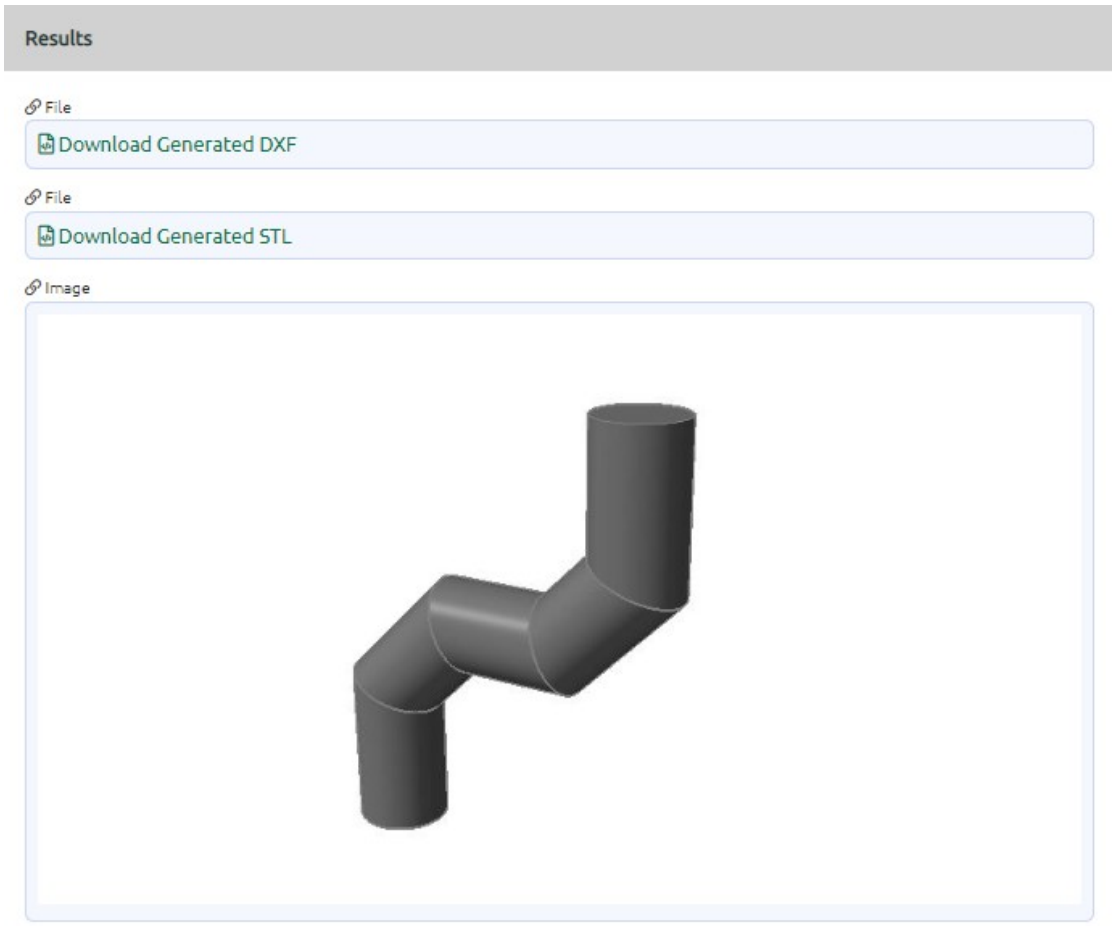
Segments: 5

Diameter: 10

Radius of the pipe angle: 10

Starting length: 10

Ending length: 10



1.14 Sphere

- Basic input data

Center point X: 0

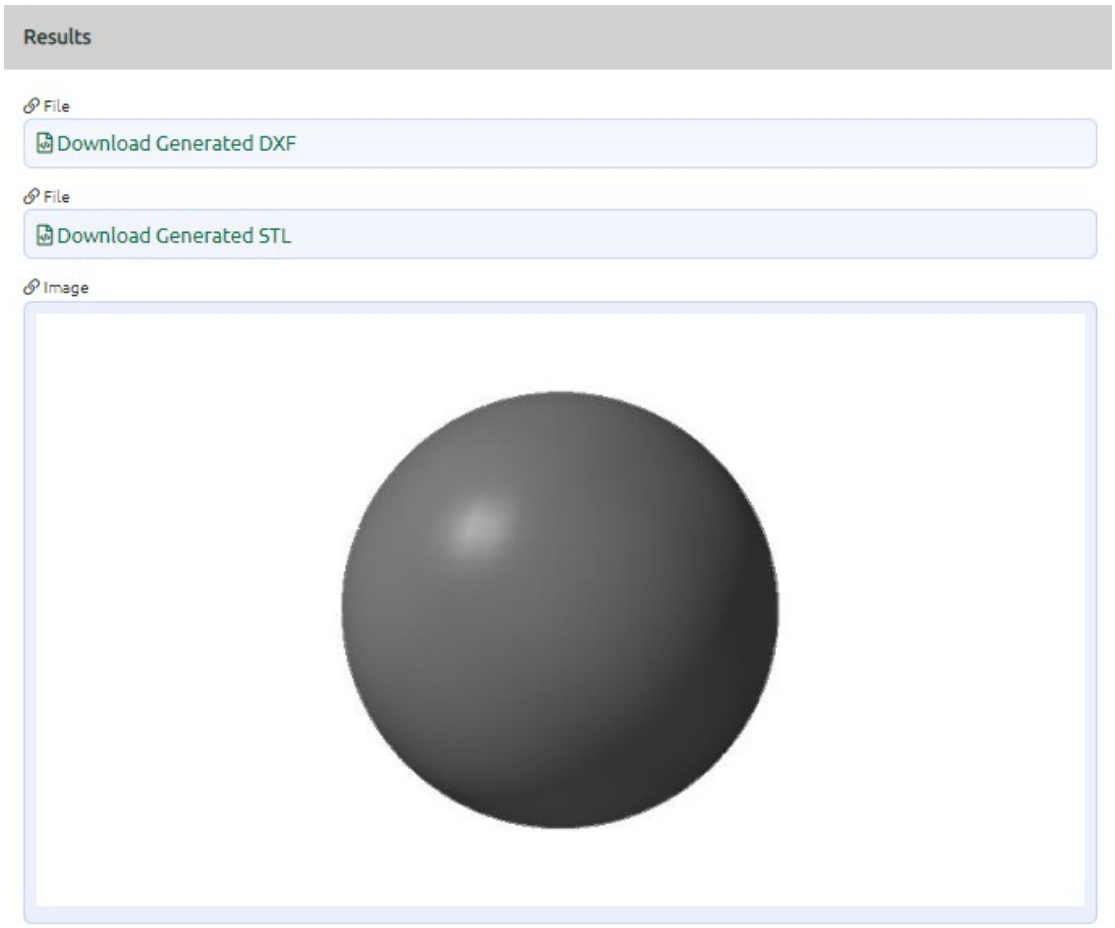
Center point Y: 0

Center point Z: 0

Radius: 10

Slices: 50

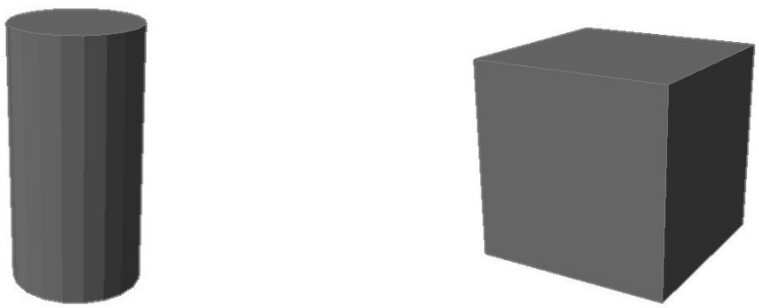
Stacks: 50

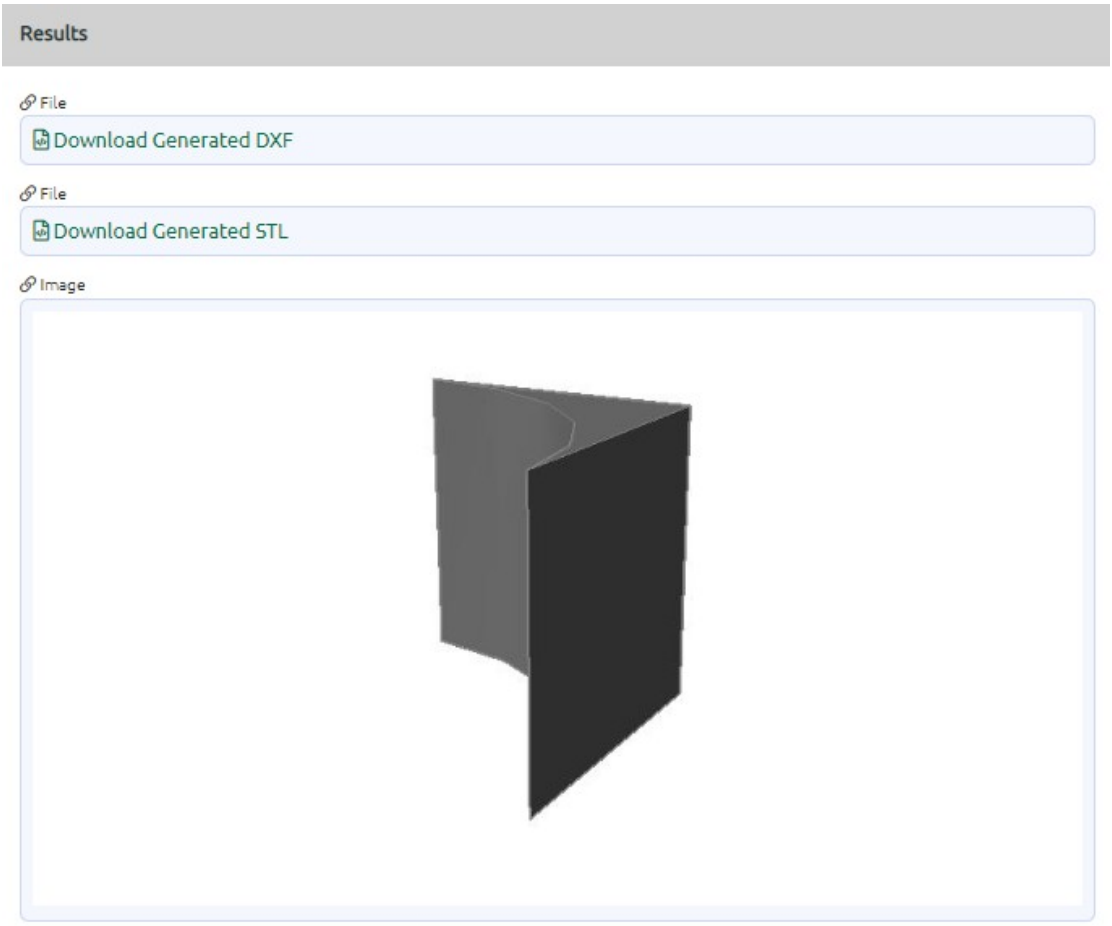


1.15 Subtract

Upload two 3D shapes to subtract them.

Original shapes:

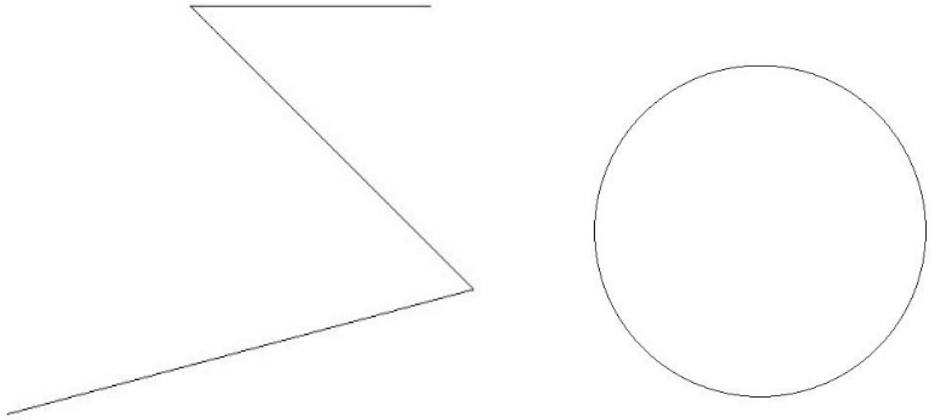




1.16 Sweep

Insert a polyline and a 2D shape of your choice and the Sweep app will create a 3D solid shape.

Original shapes:



Results

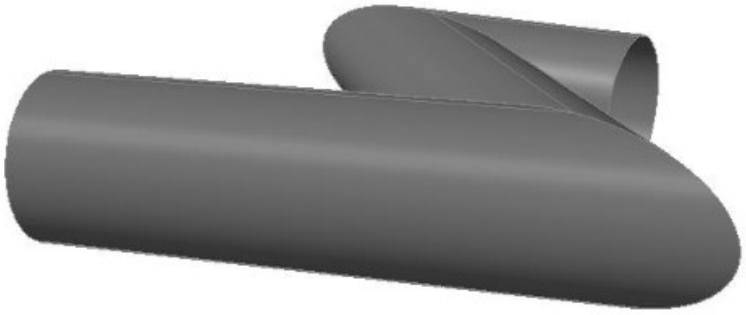
File

Download Generated DXF

File

Download Generated STL

Image



1.17 Torus

- Basic input data

Center point X: 0

Center point Y: 0

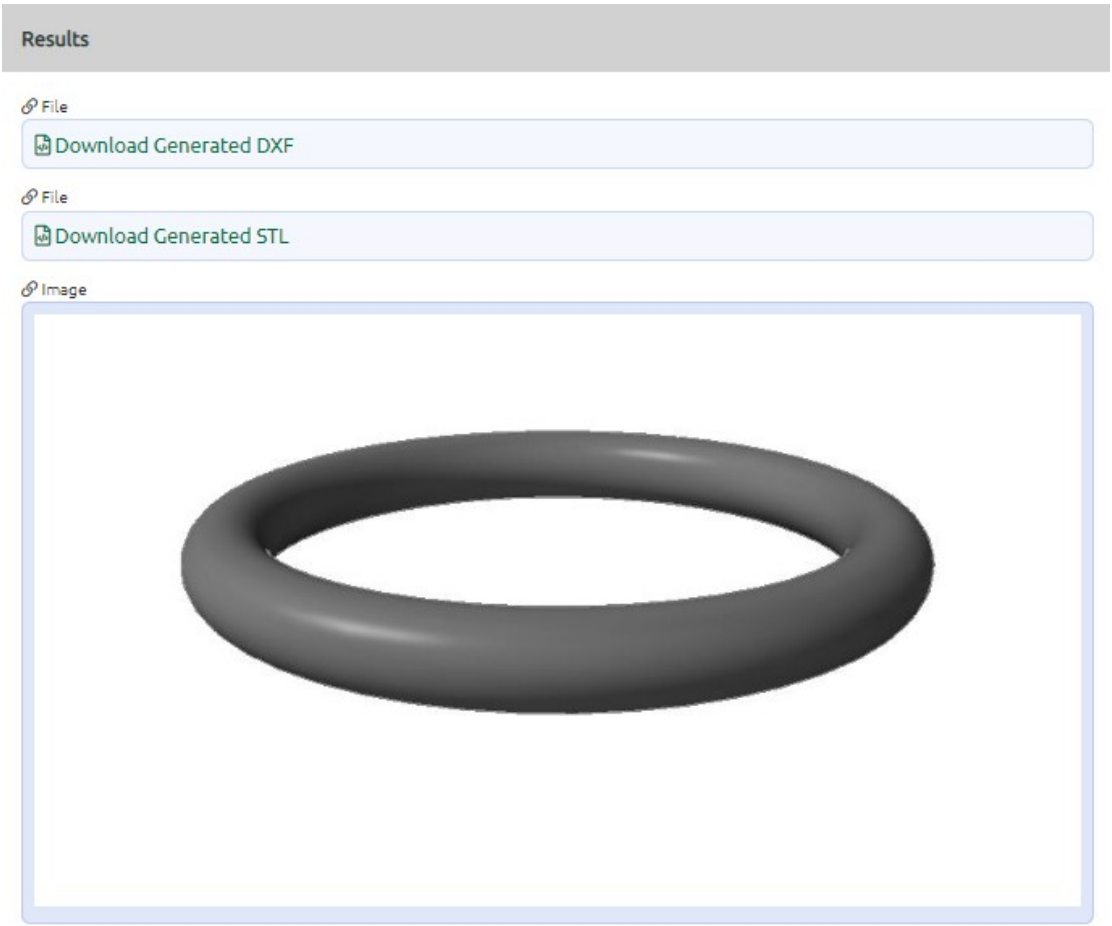
Center point Z: 0

Major radius: 40

Minor radius: 5

Sides: 100

Rings: 50



1.18 U shape cylinder pipe

- Basic input data

Segments: 5

Diameter: 10

Radius of the pipe angle: 10

Starting length: 10

Ending length: 10

Results

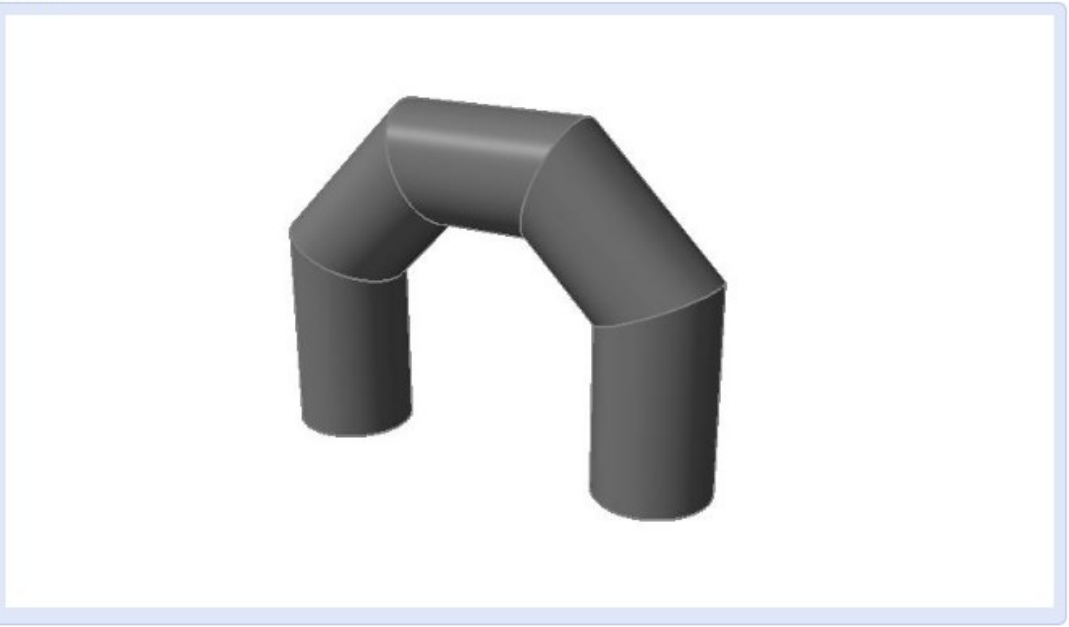
File

Download Generated DXF

File

Download Generated STL

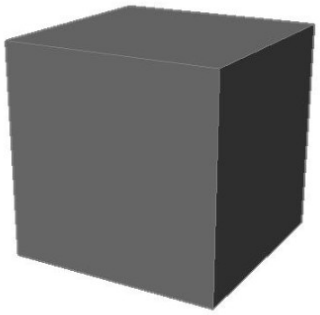
Image

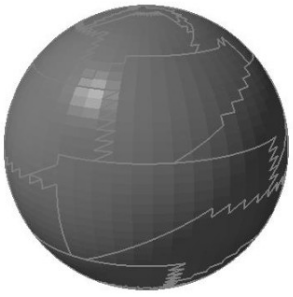


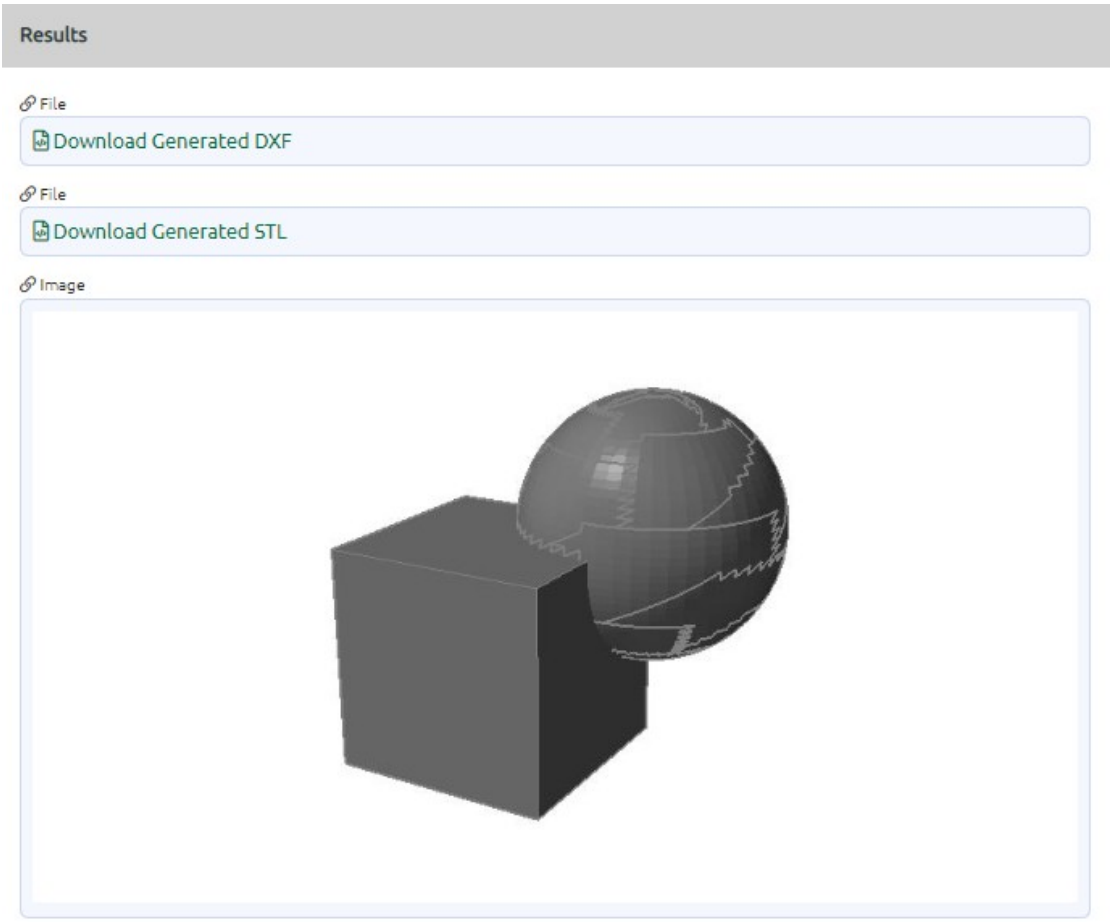
1.19 Union

Insert two 3D shapes.

Original shapes:



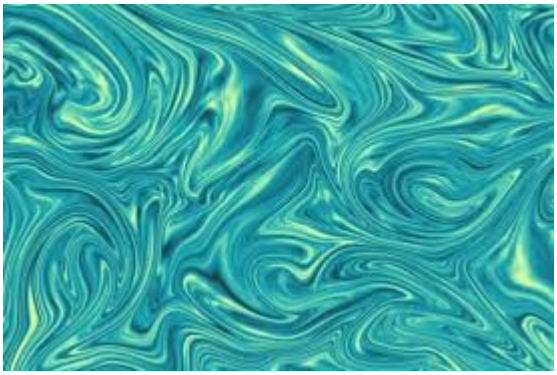




2.View

2.1 Texture mapping

Original files:



Results

Image

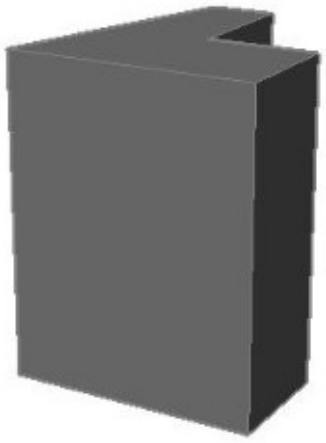
2.2 View STL

Upload and view a STL file.

3.Plot

3.1 Drawing layout from 3D models

Original shapes:



- Basic input data

Sheet type: A4 ISO

Unit type: Millimeters

Scale: 1:100

Front view: Yes

Right view: Yes

Rear view: No

Left view: No

Top view: Yes

Bottom view: No

Isometric view: No

Dimetric view: No

Trimetric view: Yes

Hide texts: No

Title:

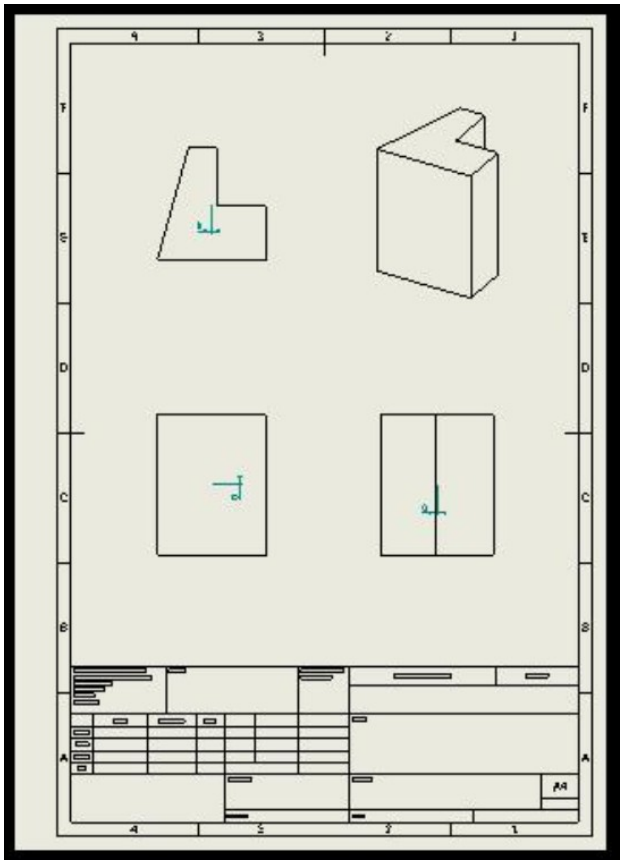
Drawing number:

Sheet number:

Material:

Weight:

Results:



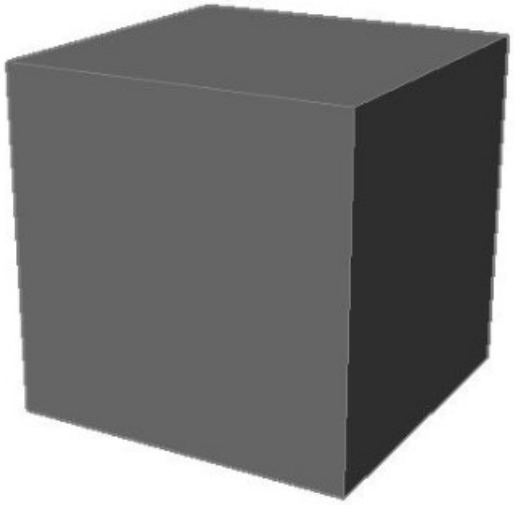
4.Info

4.1 Volume

This app can calculate the area of a 3D shape.

Original file:

Width 5, Depth 5, Height 5



Results

Volume = 125