

FLUENT - Compressible Flow in a Nozzle- Step 2

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Step 2: Geometry

Now that we have the basic geometry of the nozzle created, we need to mesh it. We would like to create a 50x20 grid for this geometry.

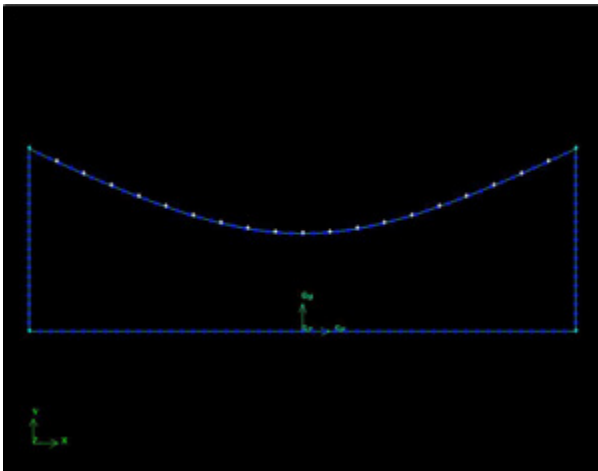
Mesh Edges

As in the previous tutorials, we will first start by meshing the edges.

Operation Toolpad > Mesh Command Button  > Edge Command Button  > Mesh Edges 

Like the [Laminar Pipe Flow Tutorial](#), we are going to use even spacing between each of the mesh points. We won't be using the Grading this time, so deselect the box next to **Grading** that says **Apply**.

Then, change **Interval Count** to 20 for the side edges and **Interval Count** to 50 for the top and bottom edges.



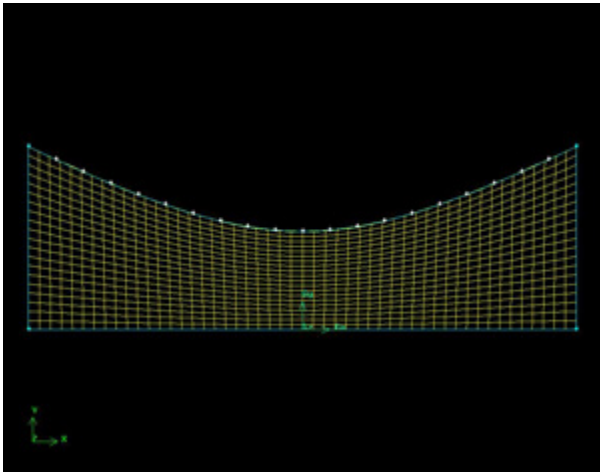
[Higher Resolution Image](#)

Mesh Face

Now that we have the edges meshed, we need to mesh the face.

Operation Toolpad > Mesh Command Button  > Face Command Button  > Mesh Faces 

As before, select the face and click the **Apply** button.



[Higher Resolution Image](#)

Save Your Work

Main Menu > File > Save

Go to [Step 3: Mesh](#)

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