ANSYS 12 - Beam (2D Element) - Step 3

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Step 3: Mesh
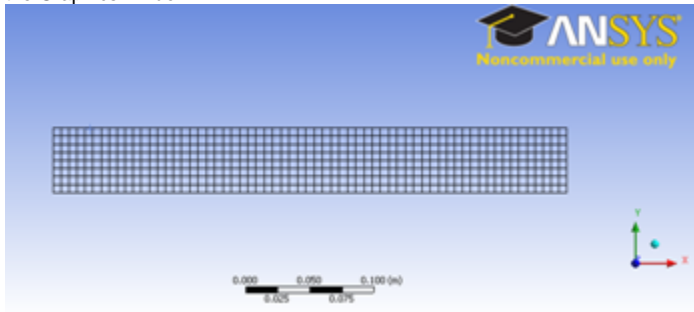
Save your work in *Workbench* window. In the *Workbench* window, right click on *Mesh*, and click *Edit*. A new *ANSYS Mesher* window will open.

We would like to create a structured mesh where the opposite edges correspond with each other. Let's insert a Mapped Face mesh.

Outline > Mesh > Insert > Mapped Face Meshing

Under *Outline*, right click on *Mesh*, move cursor to *Insert*, and select *Mapped Face Meshing*. Finally select the beam surface body in the *Graphics* window and click *Apply* next to *Geometry*.

We can now generate the mesh using the default setting. Under *Outline*, right click on *Mesh* and click *Generate Mesh*. This should be the mesh appear in the Graphics window.

Higher Resolution Image

Under *Details of "Mesh"*, you should see that we have 504 elements when you expand the *Statistics* tree.

Go to Step 4: Setup (Physics)

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