ANSYS 12 - LaminatePlate - Geometry

⚠ This Tutorial is Under Construction!

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2. Geometry

Launch Design Modeler

In order to start the Design Modeler ***(Double Click) Geometry***. After the Design Modeler opens, select meter as the desired length unit.

Proper Orientation

The sketching will be done in the XY plane, so ***(Click) XY Plane***, then click on the face plane button,  .

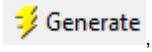
Line Sketching

The laminate plate will be modeled using shell elements, thus the geometry needed will simply be a square in the XY Plane. In order to draw the rectangle ***(Click) Sketching > (Click) Rectangle*** then draw a rectangle in the XY Plane.

Dimensioning

Dimension the rectangle such that both sides are defined to be 10m.

Surface Creation

Here, the rectangle will be turned into a surface. To do so ***(Click)Concept > Surface From Sketches***. Next, highlight all four edges of the rectangle and select ***Apply*** in the "Details of SurfaceSK1" table. Now, click the generate button, 

, in order to create the surface.

Go to Step 3: Mesh

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