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tutorial 15. In the icon panel switch the  
Module to "Mesh" and switch the"  
Object:" from Assembly to Part, and in

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the toolbox area click on the “Assign Element Type” icon a.

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The entire tutorial takes approximately  
90 minutes to complete. In this section:  
Understanding Abaqus/CAE modules  
Understanding the Model Tree Creating  
a part Creating a material Defining and  
assigning section properties Assembling  
the model Defining your analysis steps  
Applying a boundary condition and a  
load to the model Meshing the model  
Creating and submitting an analysis job  
Viewing the results of your analysis  
Summary

## **Creating and Analyzing a Simple Model in Abaqus/CAE**

Generalized axisymmetric elements with  
twist have an additional degree of  
freedom, 5, corresponding to the twist  
angle  $\phi$  (in radians). Abaqus does not  
automatically apply any boundary

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conditions to nodes located along the symmetry axis. You must apply radial or symmetry boundary conditions on these nodes if desired.

## **Axisymmetric solid element library**

Academia.edu is a platform for academics to share research papers.

## **ME455/555 Intro to Finite Element Analysis Winter'10 Abaqus ...**

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predefined system of units within  
Abaqus,

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