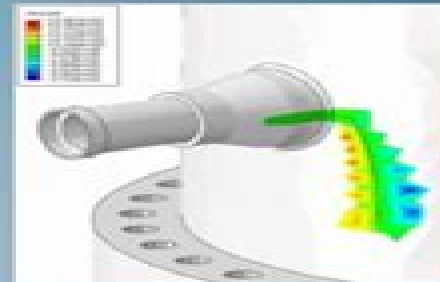


Modeling Fracture and Failure with Abaqus

Abaqus 2020



3DEXPERIENCE



About this Course

Course objectives

Upon completion of this course you will be able to:

- ▶ Use proper modeling techniques to capture crack-tip singularities in fracture mechanics problems
- ▶ Use Abaqus/CAE to create meshes appropriate for fracture studies
- ▶ Calculate stress intensity factors and contour integrals around a crack tip
- ▶ Simulate material damage and failure
- ▶ Simulate crack growth using cohesive behavior, VCCT, and XFEM
- ▶ Simulate fatigue crack growth

Targeted audience

Simulation Analysts

Prerequisites

This course is recommended for engineers with experience using Abaqus

Modeling Fracture And Failure With Abaqus Shenxinpu

Jin-Ying Zhang



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