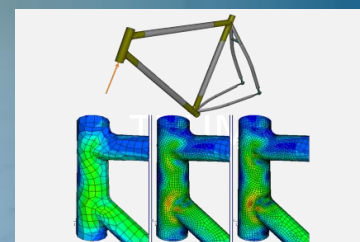


ADAPTIVE REMESHING IN ABAQUS/STANDARD

SIMULIA COURSE DESCRIPTION



Level: Advanced
Products: Abaqus
Disciplines: Structures

Audience
 This course is recommended for simulation analysts who require adaptive re-meshing to meet specified solution accuracy criteria.

Why take this course?

This course provides an in-depth coverage of the Abaqus features which address adaptive remeshing for solution accuracy. Abaqus/CAE and Abaqus/Standard work together to adaptively remesh your model in response to user-specified criteria. These criteria include error indicator and mesh-size targets. Usage can be manual or fully automatic, providing options to control the way the adaptivity process is executed. This capability eliminates the mesh-related uncertainty associated with the analysis by using well established methods for calculating solution error indicators, which in turn drive the remeshing process, ultimately providing a balance between solution accuracy and cost.

What will you learn?

The topics discussed include the following. Workshops and example problems are used to illustrate the techniques.

- Overview and comparison of adaptivity techniques in Abaqus

- Basics of adaptive remeshing
- Error indicators and the associated output variables
- Specification of adaptive remeshing rules
- The adaptive remeshing process
- Setting up an adaptive remeshing process

Explore Your Learning Options

Live Sessions	Engage in Real-Time, interactive group workshops guided by experts. Learn and collaborate live in your preferred language and time zone.	Join a live session
On-Demand Learning	Access expert-designed courses anytime, anywhere. Perfect for independent learners looking to build skills on their schedule.	Start Learning Now
Private Training	Exclusive, tailor-made sessions designed to meet your team's unique goals with expert guidance.	Contact Us for Custom Training



Gain hands-on experience and master real-world workflows through guided, practical training sessions.

Apply nonlinear analysis techniques to simulate complex structural and multiphysics problems accurately.

– SIMULIA Training Expert Team

What You Need to Know Before Starting

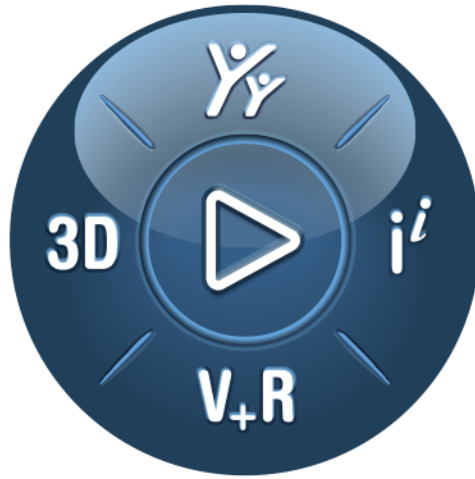
Introduction to Abaqus or equivalent and experience using Abaqus.

Want to Learn More?

Expand your knowledge by exploring our [course Catalog](#) and browsing learning paths on [Eduspace](#), our dedicated e-learning platform.

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