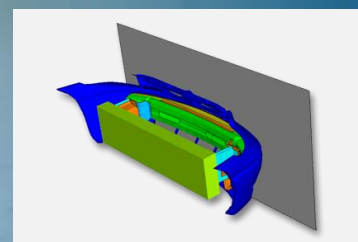


ABAQUS/EXPLICIT: ADVANCED TOPICS

SIMULIA COURSE DESCRIPTION



Level: Advanced
Products: Abaqus
Disciplines: Structures

Audience
This course is recommended for relatively new Abaqus/Explicit users and Abaqus/Standard users who want to learn Abaqus/Explicit, regardless of industry or application.

Why take this course?

This course emphasizes practical skills and techniques that are needed for analyses with Abaqus/Explicit. The course uses examples derived from actual industrial applications to reinforce the concepts and issues discussed in the lessons.

What will you learn?

The topics discussed include the following:

- The explicit dynamics method
- General contact
- Automatic mass scaling for impact problems
- Automatic mass scaling for Quasi-static problems
- Using Abaqus/Explicit and Abaqus/Standard together

to solve difficult problems, including results transfer and Co-simulation

- Modeling high-strain-rate deformation and failure
- Output filtering
- Managing large models

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

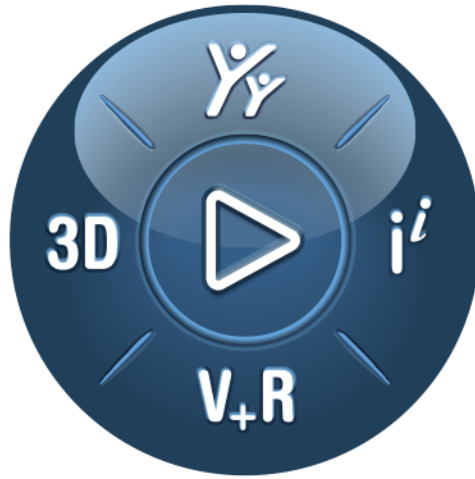
Introduction to Abaqus or equivalent.

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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