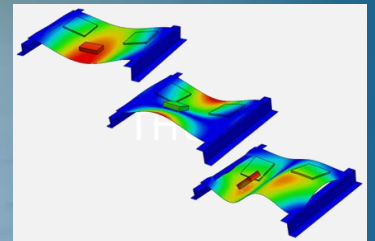


MECHANICAL SCENARIO CREATION: LINEAR DYNAMICS

SIMULIA COURSE DESCRIPTION



Level: Advanced
Products: 3DEXPERIENCE
Disciplines: Structures

Audience
This course is intended for the following roles:
· Structural Mechanics Engineer
· Structural Analysis Engineer

Why take this course?

This course is an introduction to linear dynamics simulation with the Mechanical Scenario Creation app on the 3DEXPERIENCE platform. It covers how to solve linear dynamics problems including natural frequency extraction, harmonic response, random response, response spectrum and model dynamic applications. It also introduces interior structural-acoustic problems and complex eigenvalue analysis.

What will you learn?

Upon completion of this course, you will be able to:

- Perform linear dynamics simulations
- Perform coupled structural-acoustic simulations
- View and evaluate simulation results

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.

Run simulations collaboratively within the 3DEXPERIENCE platform, connecting design, data, and analysis seamlessly.

– SIMULIA Training Expert Team

What You Need to Know Before Starting

The following course is required prior to taking this one:

- Mechanical Scenario Creation Essentials

Want to Learn More?

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

Join the Community!

[Join the SIMULIA community](#) to connect, learn, and stay updated.



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Europe/Middle East/Africa
Dassault Systèmes
10, rue Marcel Dassault
CS 40501
78946 Vélizy-Villacoublay Cedex
France

Asia-Pacific
Dassault Systèmes
17F, Foxconn Building,
No. 1366, Lujiazui Ring Road
Pilot Free Trade Zone, Shanghai 200120
China

Americas
Dassault Systèmes
175 Wyman Street
Waltham, Massachusetts
02451-1223
USA

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