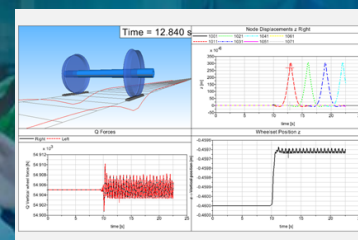


SIMPACK FLEXTACK

SIMULIA COURSE DESCRIPTION



Level: Advanced
Products: Simpack
Disciplines: Motion & Multibody System

Audience
 Simpack Rail users interested in advanced train/track interaction
 Engineers involved in dynamic behavior of tracks, bridges, switches and crossings

Why take this course?

This course explains how to set up flexible rail track models in Simpack.

What will you learn?

Upon completion of this course you will be able to:

- Set up a finite element-based flexible rail track in Simpack
- Prepare FE models for import

- Perform Craig-Bampton reduction
- Import reduced FE models into Simpack
- Select the appropriate FE modeling method
- Model nonlinear rail pads and ballast defects

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.

Model and analyze the dynamic behavior of multibody systems for accurate motion and vibration predictions.

– SIMULIA Training Expert Team

What You Need to Know Before Starting

Introduction to Simpack training course successfully completed

Simpack Rail training course successfully completed

Optional: Simpack Flexible Bodies training course

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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