

SIMPACK CONTACT MECHANICS

SIMULIA COURSE DESCRIPTION



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

Audience
 Multibody simulation engineers involved in contact mechanics simulation

Why take this course?

This course explains the usage of Simpack's modeling elements for contact mechanics and features that optimize the Simpack solver for generic contact simulations.

What will you learn?

Upon completion of this course you will be able to:

- Use Simpack's modeling elements for contact mechanics and features
- Optimize the Simpack solver for generic contact simulations
- Single-point contact search with Moved Markers
- Generic 2D and 3D Multi-point contact methods
- Contact force calculation on rigid and flexible bodies
- Minimum Distance Measurement between arbitrary surfaces
- Examples of rigid and flexible body contact

The course covers the following topics:

- Overview on contact models and methods in Simpack

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

Before undertaking this course, you should have completed the Introduction to Simpack 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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