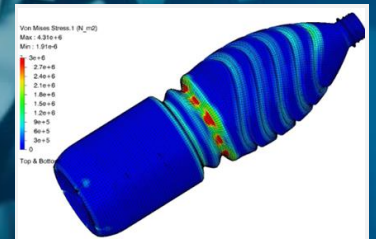


PARAMETRIC DESIGN IMPROVEMENT: STRUCTURAL

SIMULIA COURSE DESCRIPTION



Level: Fundamental
Products: 3DEXPERIENCE
Disciplines: Automation; Structures

Audience

This course is intended for all roles that enable the Parametric Design Study Essentials or Parametric Design Study app, including:

- Structural Engineer
- Structural Performance Engineer
- Structural Mechanics Engineer
- Structural Analysis Engineer
- Durability Performance Engineer
- Durability and Mechanics Engineer

Why take this course?

Design improvement studies allow engineers to find the best design while varying design parameters. Using the Parametric Design Study Essentials or Parametric Design Study app, you can easily author, monitor and postprocess a parametric design improvement study based on an analysis case for a single-physics simulation object or a geometrical model. Physics simulations from which the user initiates a study can be either: structural analysis case or durability analysis case.

What will you learn?

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

- Create a design improvement study, defining design variables and objective(s)

- Perform design space checks and run the study
- Monitor and review study 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

An understanding of the scenario app to be used to define a simulation and analysis case is required prior to taking this course, for instance by completing one of the following:

- Linear Structural Scenario Creation Essentials
- Structural Simulation Ess

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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