Learning Module

Substructures and Submodeling with Abaqus

The size and complexity of designs that are analyzed and tested with Abaqus continues to grow. Substructures and submodeling are two effective techniques that allow the analyst to study problems that are too large to simulate with a conventional modeling approach.

Objectives
Upon completion of this course you will be able to:
- Understand the difference between substructuring and submodeling.
- Build, translate, rotate and reflect substructures.
- Build preloads into substructures.
- Design meshes for submodel analysis.
- Perform solid-to-solid, shell-to-shell, and shell-to solid submodeling.

Knowledge Prerequisites
This course is recommended for engineers with experience using Abaqus.

Language(s) for selected release
English

Brands
Simulia

Available Releases
SIMULIA 2021, SIMULIA 2020, SIMULIA 2019, SIMULIA 2018, SIMULIA 2017, SIMULIA 2016, SIMULIA V6.14, SIMULIA V6.13, SIMULIA V6.12

Duration
16 hours

Discipline
Advanced Abaqus

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