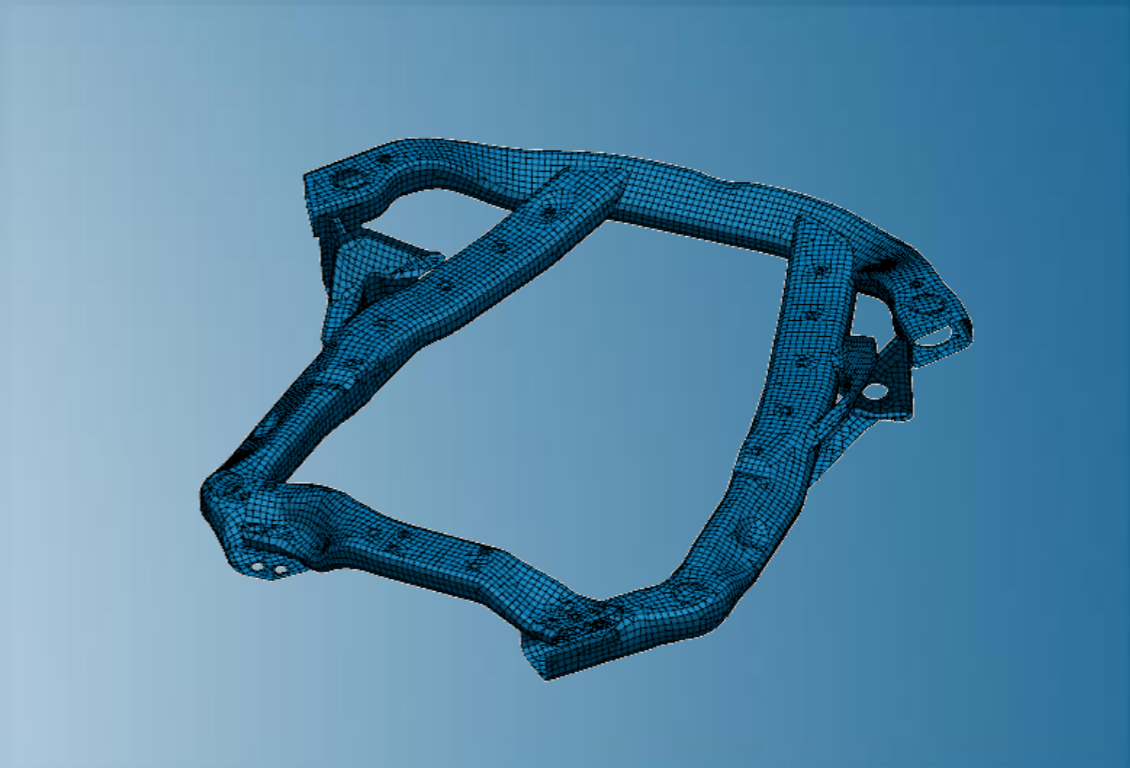


Model Assembly Design Essentials

R2017x



3DEXPERIENCE[®]



About this Course

Course objectives

Upon completion of this course you will be able to:

- ▶ Create external simulation representations.
- ▶ Perform automated modeling.

Targeted audience

This course is intended for the following roles:

- ▶ Assembly Modeling Specialist
- ▶ Finite Element Modeling & Assembly Specialist

Prerequisites

- ▶ Structural Model Creation: Geometry and Meshing



4 hours

Day 1

- ▶ Lesson 1 External Simulation Representations
- ▶ Workshop 1 Landing Gear Assembly – External Simulation Representations
- ▶ Lesson 2 Automated Modeling
- ▶ Workshop 2a Cradle Assembly – Automated Modeling
- ▶ Workshop 2b Reactor Vessel Assembly – Automated Modeling
- ▶ Lesson 3 Abstraction Representations



It is strongly recommended that you complete *meshing* portion of the *Structural Model Creation: Geometry and Meshing* course prior to taking this class.

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Revision Status

Lesson 1	12/16	Updated for R2017x
Lesson 2	12/16	Updated for R2017x
Workshop 1	12/16	Updated for R2017x
Workshop 2a	12/16	Updated for R2017x
Workshop 2b	12/16	Updated for R2017x
Lesson 3	12/16	New for R2017x

Lesson 1: External Simulation Representations

Lesson content:

- ▶ Introduction
- ▶ Example
- ▶ Inserting External Simulation Representations
- ▶ Removing External Simulation Representations
- ▶ Editing Relations
- ▶ Checking Relations
- ▶ Showing Impact
- ▶ Updating Relations
- ▶ Exporting and Importing
- ▶ Importing a Mesh
- ▶ Workshop Preliminaries



45 minutes

