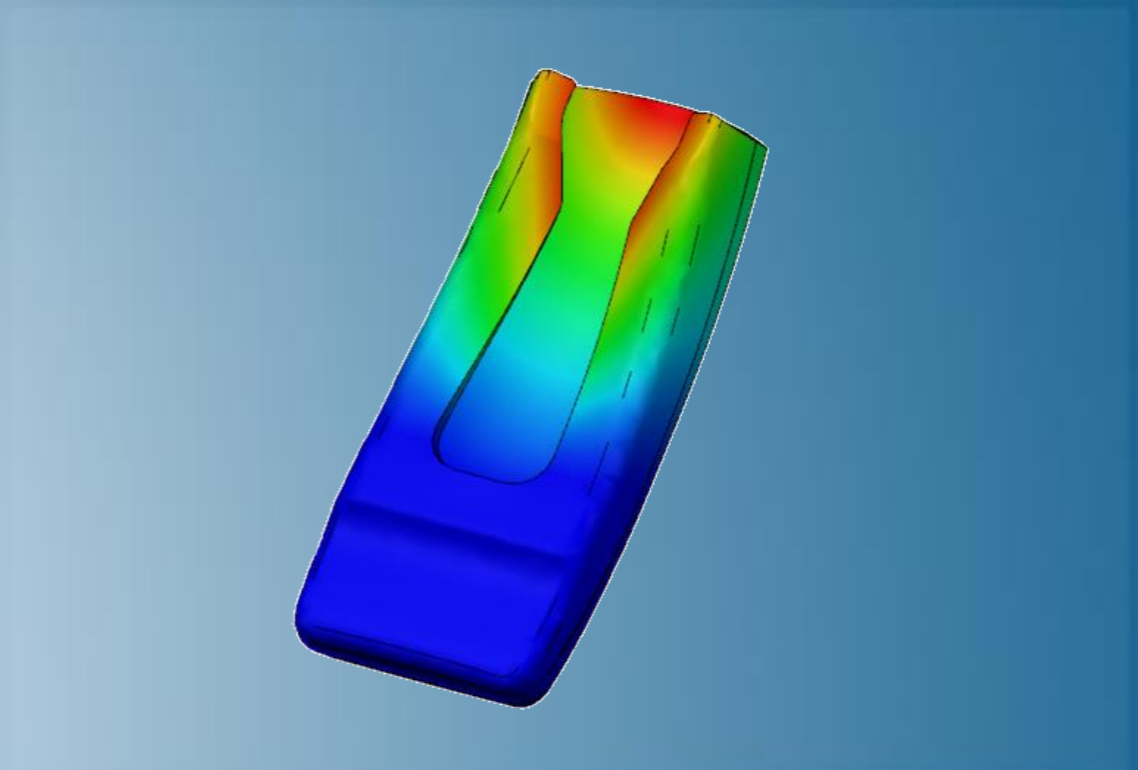


Static Study Essentials

R2017x



3DEXPERIENCE[®]



About this Course

Course objectives

Upon completion of this course you will be able to:

- ▶ Search for simulation data in the database
- ▶ Open the simulation for modification
- ▶ Perform a simulation using the Static Study app
- ▶ Review simulations stored in a database and generate reports

Targeted audience

This course is intended for the following role:

- ▶ Mechanism Simulation Designer

Prerequisites

The following course is required prior to taking this one:

- ▶ None



4 hours

Day 1

- ▶ Lesson 1 Introduction
- ▶ Lesson 2 Structural Simulation
- ▶ Workshop 1 Stress Analysis of a Medication Reminder

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We offer regularly scheduled public seminars as well as training courses at customer sites. An extensive range of courses are available, ranging from basic introductions to advanced courses that cover specific analysis topics and applications. On-site courses can be customized to focus on topics of particular interest to the customer, based on the customer's prior specification. To view the worldwide course schedule and to register for a course, visit the links below.

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> By Location
> By Course

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> By Location
> By Course

Live Online Training

> Full Schedule

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Revision Status

Lesson 1	5/17	New for R2017x
Lesson 2	5/17	New for R2017x
Workshop 1	5/17	New for R2017x

Lesson 1: Introduction

Lesson content:

- ▶ Introduction
- ▶ **3DEXPERIENCE** Platform Basics
- ▶ Geometry for simulation



1 hour

Lesson 2: Structural Simulation Basics

Lesson content:

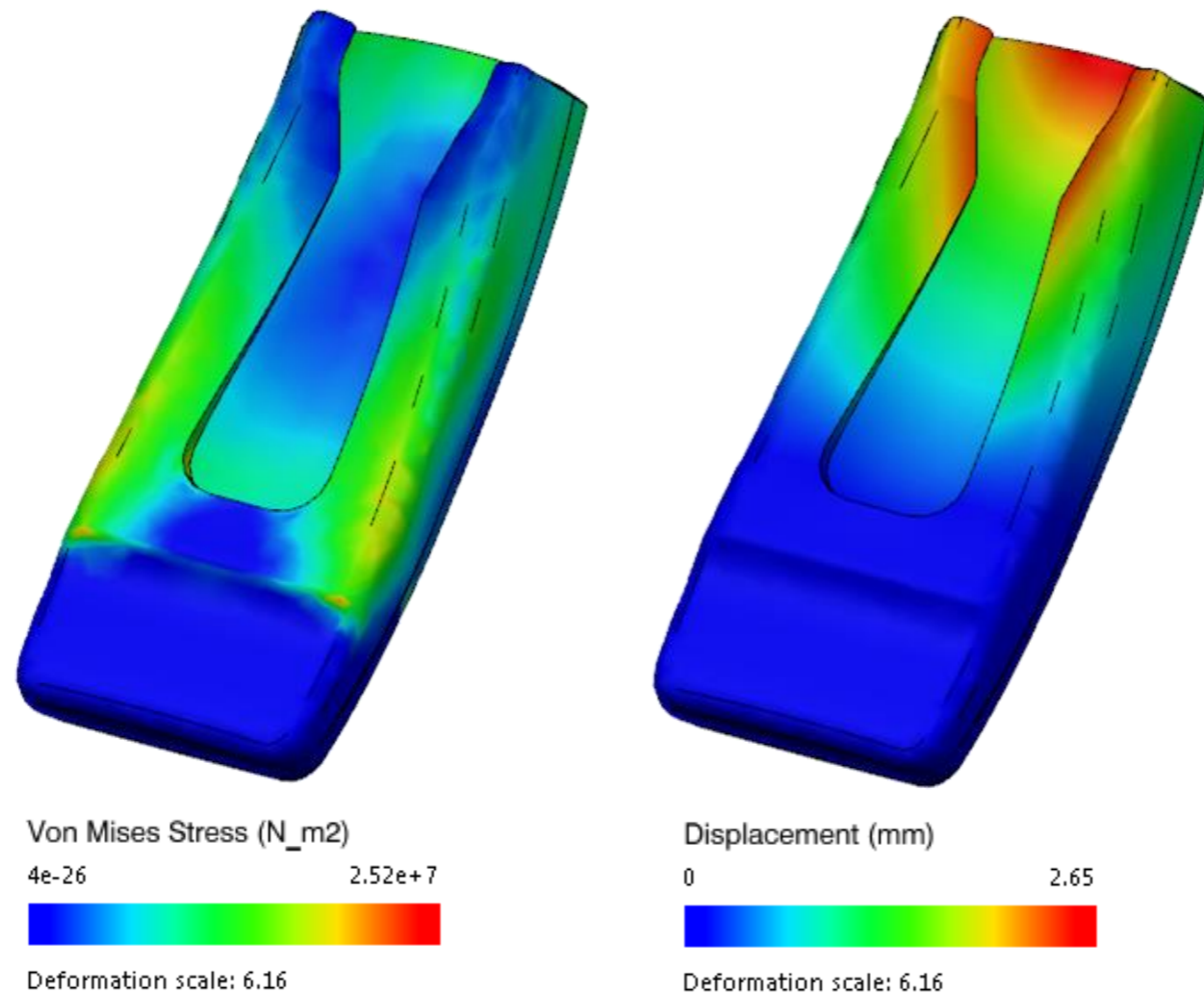
- ▶ Introduction: Running a Simulation
- ▶ Contributing Parts
- ▶ Mesh
- ▶ Materials
- ▶ Contact
- ▶ Restraints
- ▶ Loads
- ▶ Structural Loads
- ▶ Simulate
- ▶ Results
- ▶ Workshop Preliminaries



2 hours

Workshop 1: Stress Analysis of a Medication Reminder

In this workshop, we consider the Medication Reminder assembly shown below. The assembly consists of two parts, a top cover and a bottom part. The design is simple, appealing and very easy to use. As a designer, however, you may not know if this product is sturdy enough and if it will hold together in a real life situation or qualify the product specification. By running a static stress simulation, you can come to a conclusion about the product design and thereby develop a mature product.



1 hour