

Advanced Topology Optimization

Advanced Topology Optimization Training Course

This course will give students an introduction to topology optimization. Students will learn topology optimization concepts and will work with several hands-on exercises. Students will learn how to interpret and use topology optimization results. During the class, students will be exposed to industrial applications and examples.

Prerequisites

- A basic knowledge of finite element analysis

Class Topics

- Topology optimization concepts
- Topology pre- and post-processing using Design Studio
- Topology results visualization with Design Studio
- Use of manufacturing constraints in topology
- Use of symmetries in topology
- Comparing topology and other types of optimization, such as topometry and topography

Class Style

- The instructor will present teaching material and solve examples
- Hands-on exercises will be solved by the students assisted by instructor
- 1 day
- One student per computer

Instructors

- The class will be taught by experts in optimization

Locations

- Training courses will be held on-site at our Novi, Michigan office.

Class Time

- Class begins at 8:30 a.m.

