Advanced Topometry Optimization

Advanced Topometry Optimization Training Course

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

Prerequisites

- A basic knowledge of finite element analysis

Class Topics

- Topometry optimization concepts
- Topometry pre- and post-processing using Design Studio
- Topometry results visualization with Design Studio
- Sizing optimization
- Topometry optimization with manufacturing constraints
- Creating CAD surface mesh from topometry results
- Mode shape optimization, weld location optimization and other special topics

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.