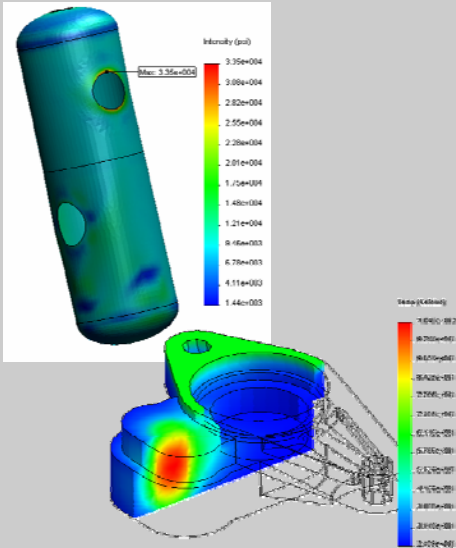


SolidWorks: SolidWorks Flow Simulation 2011



OVERVIEW

This course is Designed for users who would like to become productive faster, this introductory course offers hands-on training on the use of SolidWorks Flow Simulation. The two-day training program provides an in-depth session on the basics of fluid flow analysis, in addition to covering meshing concerns, modeling concerns, analysis, post-processing, available options and preferences.

TOPICS COVERED

Lesson 1: Basics of Fluid Flow

Fluid Flow Definitions
Governing Equations
Meshing principles
Monitoring convergence

Lesson 2: Running

Meshing concerns
Modeling concerns
Applying boundary conditions
Post-processing (vectors, contours, iso-lines, particle tracking)
Global data (mass/energy balance, bulk values, et cetera)
Analysis Types
Steady State
Transient
Conjugate heat transfer
Open/closed systems

Lesson 3: Flow Features

Compressible and incompressible
Newtonian / non-Newtonian fluid
Fan Curves
Particle trajectories
Supersonic flows
Cavitation
Relative humidity
Conjugate heat transfer

Lesson 4: Advanced Features within SolidWorks Flow Simulation

Manual mesh control
Manual convergence
Export of results to SolidWorks
Simulation modulus (stress analysis)

Prerequisites:

Some Experience using SolidWorks.

Logistics:

Length: 2 days
Time: 9:00 am—5:00 pm
Price: \$1,500.00



address 7508 Highway 107
Sherwood, AR 72120
main (501) 835-6868
fax (501) 835-8710
email training@secanttech.com

