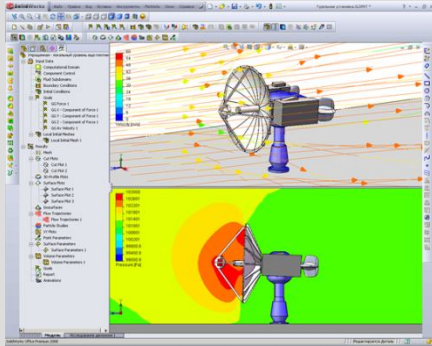


SolidWorks Flow Simulation Information



This course offers hands-on training on the use of SolidWorks Flow Simulation. The 2 day course will provide 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.

Course Length: 2 days
Hours: 8:30am – 4:30pm

Prerequisite:

- Experience using SolidWorks

Includes:

- Color Training Manual
- Completion Certificate

Course Contents:

- Basics of Fluid Flow
 - Fluid Flow Definitions
 - Governing Equations
 - Meshing principles
 - Monitoring convergence
- Running
 - Meshing concerns
 - Modeling concerns
 - Applying boundary conditions
 - Post-processing (vectors, contours, iso-lines, particle tracking)
 - Global data (mass/energy balance, bulk values, etc.)
 - Analysis Types
 - Steady State
 - Transient
 - Conjugate heat transfer
 - Open/closed systems
- Flow Features
 - Compressible and incompressible
 - Newtonian/non-Newtonian fluid
 - Fan Curves
 - Particle trajectories
 - Supersonic flows
 - Cavitation
 - Relative humidity
 - Conjugate heat transfer
- Advanced Features within SolidWorks Flow Simulation
 - Manual mesh control
 - Manual convergence
 - Export of results to SolidWorks Simulation modulus (stress analysis)



Concepts In Production, LLC

Reducing Time to Market

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- Certified Instructors leading training at our state-of-the art facilities

- Classes offered in several locations in MS, AL, and TN

- CIP is an Authorized SolidWorks and Simulation Training Center

- CIP offers classes on customer site
Contact the Sales Dept
662-256-8333

- Schedule:
www.conceptsinproduction.com

- Contact:
info@conceptsinproduction.com