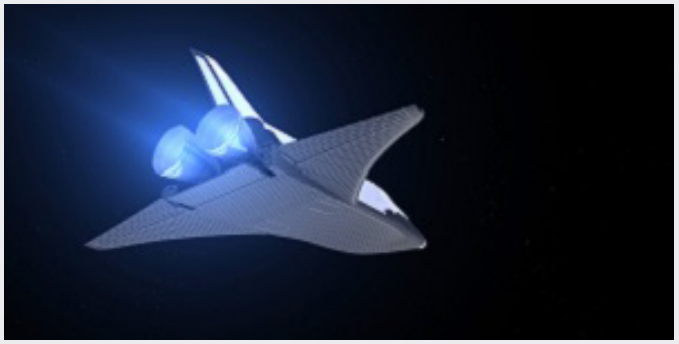
man machine

AUTODESK
Authorised Training Centre

Autodesk Inventor Stress and Frame Analysis

Course Description

This course teaches you how to drive the simulation capabilities of Autodesk Inventor Professional to perform FEA stress and frame analysis on models and digital prototypes. This will enable you to validate designs, eliminate redundancies and solve real-world problems before a physical prototype is produced.



Prerequisites

The class assumes a mastery of Inventor basis as taught in Inventor Introduction to Solid Modelling.

Topics Include

- Simulation Overview
- The Stress Analysis Environment
- Introduction to Static Analysis
- Introduction to Model Analysis
- Introduction to Frame Analysis
- Stress Analysis Workflows in Inventor Professional
- User Interface
- Simulation Preparation
- Simulation Pre-Solve
- Meshing
- Mesh Refinement
- Convergence
- Simulation Solving
- Displaying Results
- Viewing different results
- Animating
- Probing
- Convergence Plotting
- Exporting Reports

Course Duration: 2 Days

Next Step: Inventor Dynamic Simulation

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