



MECHANICA[®] Advanced Training

– Contact Analysis (1 day)

In'-Tuition – In-house, Intensive training for Individuals
We come to you to deliver these courses.

You use your own software, we supply the trainer.

Standard Course :- £975 for 1 person, £1050 for 2 people, £1100 for 3 people.

Contact us for a quote if you have more people or for a customised course.

Content as of 1st May 2009

This course is for those with either the Basic or Advanced Mechanica licence, although some functionality is only available in the Advanced licence. Prior knowledge of Pro/ Engineer & Mechanica is required. The course contains a mixture of lectures and prepared examples. Students may also bring their own examples Also see our other Advanced and Specialist Courses. In particular this course can be combined with the Advanced Analysing Assemblies course, to make a 2-day course.

Learn how to do contact analysis with Pro/Mechanica. Avoid the pitfalls that one can encounter with this Advanced type of analysis. The course covers

- Introduction
- Theory of Mechanica Contact Analysis
- When to use Contact Analysis
 - Bolted joints
 - Press Fit
 - Other
 - When you can't use Contact
- Techniques for Improving Contact Results
 - Automatic Localised Mesh Refinement
 - Manual Mesh Refinement in Integrated Mode
 - Surface & Volume Regions
 - Mesh Controls
 - Hand-meshing in Independent Mode
- Resolving Issues with Contact Analysis
 - Under constrained
 - 'Sticking'
 - Pro/Engineer Accuracy
- Other 'Tricks'
 - Compensating for lack of Friction
- Reviewing & Interpreting Results

Pre-requisite : Previous Pro/Engineer & Pro/Mechanica experience or training

Note: It may not be possible to get through everything in the time, in which case the most appropriate items will be selected.

*Prices include travel expenses for sites within 100 miles of Northampton, but not VAT. Extra expenses may be charged for other sites.
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