

The content of the course is **40 hours**, and the maximum time to complete it is 2 months. The course includes manuals, videolessons HD and exercises. Our website has chat, forums, video conferencing, internal mail, etc. The teacher has extended experience in FEM and Salome-Meca. At the end of the course an aptitude certificate will be issued to the students. The course structure is the following:

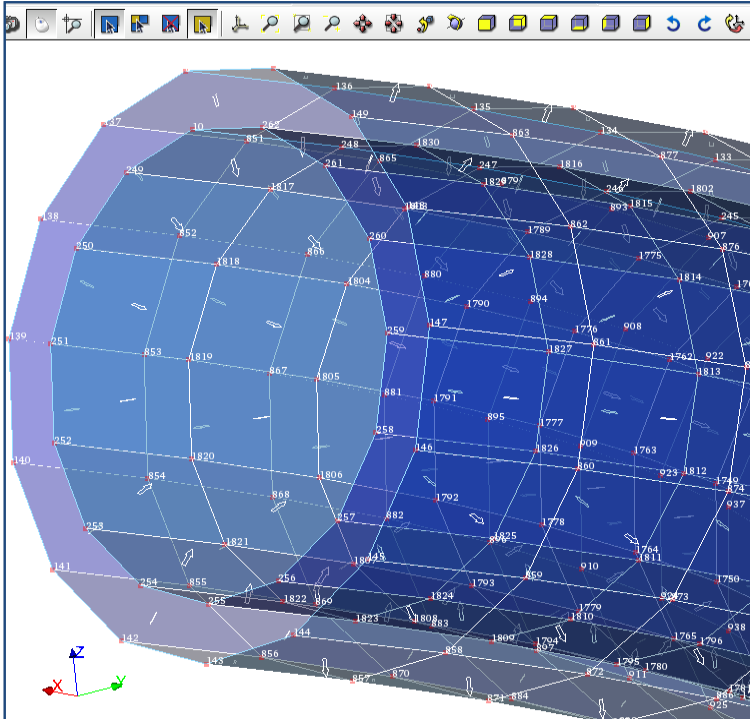
- 7 chapters about theory and solved exercises.
- Obligatory exercises to pass the course.
- Optional exercises to improve the level.

Price: 250 € - Euros

SALOME

The Open Source Integration Platform for Numerical Simulation

This course is aimed at people who are interested in the open source SALOME-MECA. The purpose is to acquire the knowledge and practical skills necessary to create a CAD 3D design, elaborate a mesh and post-process numerical simulations.



CONTENTS:

CHAPTER 1 INTRODUCTION

- 1.1 Open software for CAD and modeling
- 1.2 Open software for Finite Element Analysis (FEA)

CHAPTER 2 INSTALLING SALOME-MECA

- 2.1 Windows
- 2.2 Linux
- 2.3 Mac-OS

CHAPTER 3 THE SALOME-MECA PLATFORM

- 3.1 Presentation of the Salome-Meca platform
- 3.2 The Salome-Meca modules
- 3.3 Online documentation

CHAPTER 4 DRAWING SKETCHES: THE SHAPER MODULE

- 4.1 Introduction to SHAPER module
- 4.2 The SHAPER interface
- 4.3 Description of the main entities of SHAPER
- 4.4 Drawing sketches
- 4.5 Exporting/importing geometries
- 4.6 Exercises

CHAPTER 5 MODELING: THE GEOM MODULE

- 5.1 Introduction to GEOM module
- 5.2 Geometric entities
- 5.3 The GEOM interface
- 5.4 Creating elements
- 5.5 Examples of creation of elements
- 5.6 Creating primitives
- 5.7 Examples of creation of primitives
- 5.8 Editing elements
- 5.9 Boolean operations: fuse, common, cut, intersection
- 5.10 Translation, rotation, multi-translation, multi-rotation
- 5.11 More operations: partition, compound, extrusion, revolution
- 5.12 Creating groups
- 5.13 Importing/exporting geometries
- 5.14 Exercises

CHAPTER 6 MESHING: THE MESH MODULE

- 6.1 Introduction to MESH module
- 6.2 The MESH interface
- 6.3 Algorithms for meshing
- 6.4 Hypotheses for meshing
- 6.5 Creating meshes
- 6.6 Creating groups
- 6.7 Modifications of the mesh
- 6.8 Clipping meshes
- 6.9 Control of the mesh
- 6.10 Exercises

CHAPTER 7 POSTPROCESSING: THE PARAVIS MODULE

- 7.1 The PARAVIS postprocessor
- 7.2 The PARAVIS interface
- 7.3 Postprocessing with PARAVIS
- 7.4 The ASTER Study postprocessor

¿Como puedo matricularme? Simplemente tienes que ponerte en contacto con nosotros y te guiaremos durante todo el proceso de matriculación. Nuestro contacto:

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