Meshing and Post-processing with SALOME Course

SALOME-MECA online course. The content of the course is **25 hours**, and the maximum time to complete it is **4 weeks**. At the end of the course an aptitude certificate will be issued to the students.

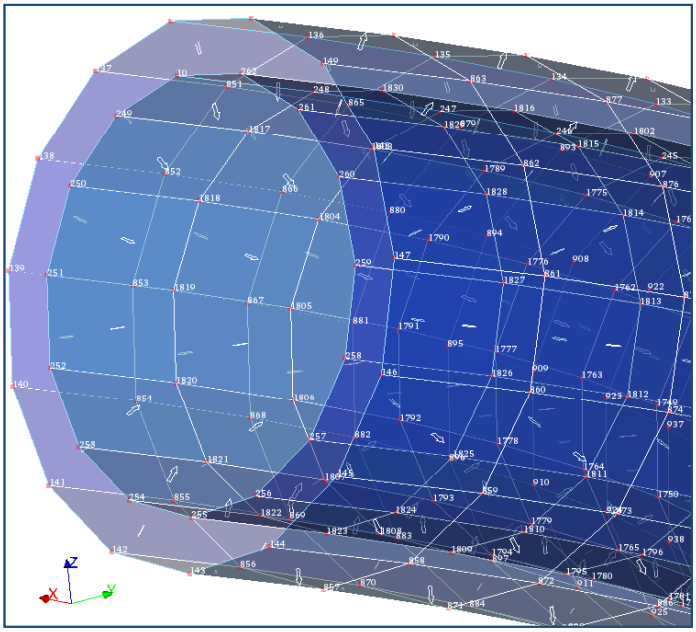
This course includes manuals and exercises. SALOME is an open source available at www.salome-platform.org both for Windows and Linux. SALOME includes tools for pre-processing and post-processing numerical simulations.

Price: 200 €

SALOME
The Open Source Integration Platform for Numerical Simulation

Aimed: This course is aimed at people who are interested in the open source SALOME to support a numerical simulation.

Objetives: The purpose of this course is to acquire the knowledge and practical skills necessary to employ SALOME. Students will learn to create a CAD 3D design, elaborate a mesh and post-process CFD and numerical simulations.



CONTENTS:

1. Introduction
- Salome-Meca, free software.
- Functionalities.
- Versions of the software and operative systems.

2. Installation
2.1. Windows
2.2. Linux-Ubuntu

3. Graphical interface
3.1. Composition of the graphical interface
3.2. General options

4. Geometrical module
4.1. Introduction
- Graphical composition of the graphical interface of the geometrical module
- File management
- Data importing/exporting
- Work units

4.2. Drawing
- Types of elements
- Auxiliary elements: coordinate axis, vectors, planes,..
- Main elements: 1D, 2D and 3D
- Basic figures
- Revolution figures
- Complex figures

4.3. Operations of different elements
- Basic operations: displacement, matrices, extrusion,..
- Operations between elements

4.4. Creation of groups
4.5. Properties of elements
4.6. Visualization of geometrical elements

5. Meshing module
5.1. Creation of meshes
- Types of meshes
- Options of meshes
- Properties and control of meshes

6. PostProcesing module (ParaView)
6.1. Introduction
6.2. Data import
6.3. Visualization of the postprocessing variables
- Creation of axis, scales
- Different types of visualizations
- Charts
- Gráficas

Registration Information: If you are interest in this course, please fill in the Registration Form or contact us at info@technicalcourses.net and we will respond to any enquiry you may have.

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