Advanced use of CFD codes

Component
École Nationale Supérieure d'Électrotechnique d'Électronique

In brief

Code ELP: N7EM04A

Presentation

Objectives

Present the structure of a generalist fluid mechanics code. Interpret the results of the code by providing critical expertise based on the achievements of second year fluid mechanics courses

Description

Illustration of the second year fluid mechanics course.
Interpret and critique the results of the code on different classical examples: Turbulent flow in a tube, and mini-project on an advanced case

Pre-requisites

Knowledge in fluid mechanics

previous use of CFD codes is preferable

Non-contractual information.
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