

# Expériences numériques laminaires - Code FLUENT



Component  
École Nationale  
Supérieure  
d'Électrotechnique  
d'Électronique

## In brief

- > **plugin.odf-inp:PLUGINS\_ODF\_COURSE\_NBHOURS\_TXT:** 17.5
- > **Ametys Code:** N6EM04B

## Presentation

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### Objectives

Present the structure of a generalist fluid mechanics code.  
Give a method in order to decompose a physical problem.  
Interpret and criticize the results of the code.

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### Description

Presentation of the structure of the generalist codes of fluid mechanics. - Learn to ask and then break down a physical problem. - Introduce this decomposition in an industrial calculation code (Fluent at present). - Interpret and critique the results of the code on various classic examples of the first-year fluid mechanics course.

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### Pre-requisites

Basic Fluid mechanics course  
Basis in scientific computing