

# Méthodes Numériques - Volumes finis



Component  
École Nationale  
Supérieure  
d'Électrotechnique  
d'Électronique

In brief

> **Ametys Code:** N6EM04A

## Presentation

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### Objectives

Understand the fundamental concepts of the Finished Volumes approach. Knowing how to pass from a physical problem continues to its discretized form in finite volumes.

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### Description

Introductions to the Finite Volumes method. The principle of the method is introduced and the steps of the implementation are detailed on the basis of simple examples (convection / diffusion equation) in order to allow easy passage to the coding. The Associate Design Office sessions consist of the development of a program written in FORTRAN language and operated on a microcomputer.