Numerical Methods - Finished Volumes

Component
École Nationale Supérieure d'Électrotechnique d'Électronique

In brief

Code ELP: N6EM04A

Presentation

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.

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.

Non-contractual information.
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