

Variational methods for solving partial differential equations of physics



Component
École Nationale
Supérieure
d'Électrotechnique
d'Électronique

In brief

- > **Amety's Code:** N9EE11C
- > **Open to exchange students:** Yes

Presentation

Objectives

To supplement the concepts covered in the study of partial differential equations with a more in-depth theoretical approach. To provide the theoretical foundations for tackling third-year courses in numerical methods.

Description

Variational approximation of boundary value problems.

Study of the existence and uniqueness of the solution.

Concepts in spectral theory of operators.

Pre-requisites

PDE and finite differences 1EEEE; Hilbert space 2EEEE-PN/SYSCOM