

Numerical experiences



Component

École Nationale
Supérieure
d'Électrotechnique
d'Électronique
d'Informatique
d'Hydraulique
et des
Télécommunications

In brief

- **Amety's Code:** M34HKSGV
- **Open to exchange students:** Yes

Presentation

Objectives

Learn how to use low-frequency and high-frequency calculation software.

Be aware of the limitations of these tools (meshing/calculation time).

Critically analyze the results obtained in relation to theory or bibliographic references.

Description

This course is divided into two parts: one focused on low-frequency (LF) simulation and one on high-frequency (HF) simulation.

Students will be asked to use different tools (LF and HF) to simulate an electrical machine and an electronic function (antenna, filter, etc.). They will analyze the results obtained in relation to their theoretical calculations or results from publications.