Thermodynamics of Machines

Component
École Nationale Supérieure d'Électrotechnique d'Électronique

In brief

Code ELP: N8EM07C

Presentation

Objectives

The purpose of this course is to apply the 1st year thermodynamics course to non-condensable gas cycle machines.

Description

The first lesson is dedicated to thermodynamic reminders of open machines. The thermodynamics of machines is applied to the study of gas turbines and turbojets (3 sessions). The optimization of the machine cycles is treated with the ThermOptim software (6 sessions). This software will also be used in the 3rd year in the "Thermal Machines" module (3A / MOST)

Non-contractual information.
Last update on 18 December 2024