

Gas turbomachines



Component
École Nationale
Supérieure
d'Électrotechnique
d'Électronique

In brief

➤ **Code ELP:** N8EM06B

Presentation

Objectives

This course is designed to familiarize the student with the operation of gas turbine engines (turbines, compressors, fans) and their dimensioning (drawing of blades, similarity ...)

Description

- Conservation of energy and momentum
- Operation of turbomachines (axial machines, radial machines)
- The centrifugal compressor
- The axial turbine
- Similarity and returns
- Efforts on the blades