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

Non-contractual information.
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