INSA | INSTITUT NATIONAL
DES SCIENCES
APPLIQUÉES
TOULOUSE

Materials, vibrations and advanced mechanical modeling

ECTS
7 crédits

Hourly volume
100h

Introducing

Objectives

the end of this module, the student will have understood and be able to explain how works a pre-stressed (or preloaded) mechanical system, basis of fracture mechanics and computations of vibrations and transient dynamics

The student will be able to identify mechanical systems that are preloaded, discuss with a specialist of fracture mechanics and carry out a simulation of vibrations and transient dynamics.

Necessary prerequisites

Basis on mechanical design, materials and vibrations

Practical info

Location(s)

Toulouse

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