

Practical Work in Control

 ECTS
3 credits Component
INSTITUT
NATIONAL
DES SCIENCES
APPLIQUEES
TOULOUSE Number of
hours
35h

Presentation

Description

This teaching includes 6 laboratories and a project. From these experiments, the students address the main problems stated by the study of real systems (tanks, temperature control, robot, segway.), but also handle several simulation and development tools (Matlab, XPCTarget, Keil....).

Organisation: Semester 2

Objectives

At the end of this module, the student will have understood and be able to explain (main concepts):

This practical teaching illustrates all the courses in automatic control during the 4th year at INSA (numerical control, non linear systems, optimal control, multivariate control, graph).

The student will be able to:

- * Model/identify a system
- * Synthesize a control following specifications (performance) and implement it
- * be critical on a command
- * write a report

Pre-requisites

Non-linear control - Optimal control - Multi-variables systems
- Digital control -

Useful info

Place

> Toulouse