

Systems Control

Introducing

Description

- A) Frequency analysis of closed-loop systems; rapidity-precision dilemma, stability.
B) Controller design: series, parallel, feed-forward and state feedback.

Objectives

At the end of this module, the student will have understood and be able to explain the fundamentals of control engineering for linear systems in time and frequency domains

The student will have to be able to design a controller to fulfil a set of required dynamic performance, by using Matlab.

Necessary prerequisites

Systems Engineering

Évaluation

L'évaluation des acquis d'apprentissage est réalisée en continu tout le long du semestre. En fonction des

enseignements, elle peut prendre différentes formes : examen écrit, oral, compte-rendu, rapport écrit, évaluation par les pairs...

Practical info

Location(s)

 Toulouse