UE SISO Feedback control

ECTS
3 credits

Component
UFR PhITEM (physique, ingénierie, terre, environnement, mécanique)

Semester
Automne

› **Teaching language(s):** English, French

› **Open to exchange students:** Yes

› **Teaching category for exchange students:** Cours général

› **Code d'export Apogée:** PAX8EEAA

› **Personal working time for the student:** 12

Presentation

Description

The aim of this class is to provide technical skills for practical feedback control. Considering SISO systems, the analysis of sensitivity transfer functions and proper controller tuning are first considered. We then investigate the limitations of performances associated with the system properties and their impact on the feedback design. Finally, The modelling of uncertainties and the closed loop robustness are detailed.

Course parts

UE SISO Feedback control - TD	Tutorials (TD)	9h
UE SISO Feedback control - CM	Lectures (CM)	15h
UE SISO Feedback control - TP	Practical work (TP)	15h

Period : Semester 8

Useful info

Place

> Grenoble

Campus

> Grenoble - Scientific Polygon