

# Control of continuous linear systems

## Introducing

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### Description

State-space control: specifications, observability-commandability, state feedback (pole placement), observers, algebraic methods (1- and 2-degree-of-freedom correctors).

### Objectives

At the end of this module, the student should have understood and be able to explain (main concepts): the main methods for synthesizing state-space control laws for linear time-invariant systems

The basic principles of observer synthesis for linear time-invariant systems.

The student should be able to :

Define the major characteristics of the control law from the specifications

Design the control law in state space (pole placement)

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

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### Location(s)

 Toulouse

## Necessary prerequisites

Linear algebra

## Évaluation