

UE State space representation

 ECTS
3 credits

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

 Semester
Automne

- > **Teaching language(s):** English
- > **Open to exchange students:** Yes
- > **Code d'export Apogée:** PAX7ECAD

Presentation

Description

Lyapunov stability, controllability and observability, Gramians, poles and zeros of MIMO systems.

Objectives

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Stability theory and basic applications of control theory for linear systems.

Course parts

UE State space representation - TD	Tutorials (TD)	9h
UE State space representation - CM/TD	Lectures (CM) & Teaching Unit (UE)	15h
UE State space representation - TP	Practical work (TP)	4h

Recommended prerequisites

Linear dynamical systems (by Bogdan Robu).

Useful info

Campus

› [Grenoble - Scientific Polygon](#)