

Non linear control

Number of ECTS credits: 3

Coefficient:

Description:

This module provides some useful mathematical tools for modeling and non-linear control. It includes the following elements: stability (global, ...), LaSalle principle, Lyapunov. It also includes some classical non-linear synthesis methods.

Pedagogical objectives:

Students are able to tackle some classes of nonlinear problems, stability analysis and corrector synthesis.

Bibliography: Prerequisite:

Automatic Linear Frequency

Lectures Hours: 12

Tutorials Hours: 7.5

Labs Hours: 9

Knowledge monitoring modalities: 100% continuous assesement

Assesement: Reports of labs, exam

Leader:

Participants: