

Dynamic Systems for Computer Scientists

Contents

This lecture introduces the basics of system theory and analysis and deals with control theory as a task of embedded systems:

- basics
- block diagrams
- PID control
- stability
- time-discrete and time-continuous systems

Lecture

The lecture takes place wednesdays 10:00 - 11:30 in room 5056 starting October, 25th.

Exercise course

- The exercise takes place every second monday 14:15 - 15:45 in room 2323 starting November, 6th. In the exercise Matlab and Simulink will be used. There is a [brief introduction](#) in german created by the IRT.
- Exercise Sheets (see german page)

Übungsschein and Exam

In order to acquire an Übungsschein, you must

- participate in the exercises on a regular basis and
- pass the exam at the end of the semester (2007-02-07, instead of the lecture).

Further Material

- [PID without a PhD](#)
- [Qualitative table of the parameter effects of a PID regulator](#)

Contact

- Questions of general interest can be discussed in the [forum](#).
- [Dr. rer. nat. Jacob Palczynski](#)

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