Real analysis

Component
École Nationale Supérieure d'Électrotechnique d'Électronique d'Informatique d'Hydraulique et des Télécommunications

Semester
Printemps

In brief

> **Ametys Code:** N6AE01A

> **Open to exchange students:** No

Presentation

Objectives

Understand the principles of the Laplace and Fourier transforms and know how to use them.

Description

Elements of integration theory are recalled. The Fourier transform is introduced for integrable functions, and its application to other functions is gradually proposed. The properties and calculation rules of the Fourier transform are provided and implemented. Another part of the lesson is devoted to the Laplace and Z transforms. Definitions and calculation rules are given. These concepts are applied in exercises.

Pre-requisites

None

Non-contractual information.
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TOULOUSE INP N7