Fourier analysis and boundary value problems
Rinaldo Andrea

Cursus
Sem. Type
Génie civil & environnement Obl.
Mécanique Obl.

Frequency
Every year

Remarque
Every year/ Next time, Spring 2018

Summary
Learning Fourier Series and Boundary Value Problems with a view to a variety of science and engineering problems. Learn the use of special functions like Bessel functions and applications. Introduce the doctoral students to general Sturm-Liouville problems and applications.

Content

Fourier Series; Convergence of Fourier Series; Partial Differential Equations of Physics; The Fourier Method; Boundary Value Problems; Fourier Integrals and applications; Orthonormal sets; Sturm-Liouville problems and applications; Bessel functions and applications.

Learning Prerequisites
Required courses
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