Escuela Técnica Superior de Ingeniería y Sistemas de Telecomunicación

Universidad Politécnica de Madrid

SEMINARIOS AVANZADOS DE INVESTIGACIÓN

Mathematical methods for solving partial differential equations. Applications to engineering

Lecturers:

Prof. Dr. Juana Sendra (UPM) and Prof. Dr. Alberto Lastra (U. Alcalá)

Contents

Basic concepts on Partial Differential Equations.

Introduction to some significant equations appearing in engineering problems.

Methods and applications.

This is an introductory course on widely spread mathematical methods and techniques applied on solving partial differential equations appearing in diverse problems in engineering. We give some more details on methods applied to wave equation and heat equation which might be applied to other problems.

Language

English

Workload

Master students attending the event will get 1 ECTS. They should perform an additional home work.

Bachelor students will get 0.5 ECTS.

Timetable

Friday 25th November: 15:30h - 19:30h

Room

Sala de Grados (A3004) – Mathematics Lab

Registration

This seminar is mainly aimed at Master students and at the last two years of undergraduate.

Inscriptions should be done at the Master program secretary (room A6104), Julia Barahona (actividades@etsist.upm.es) or at the event room.

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