MATH 579. NUMERICAL DIFFERENTIAL EQUATIONS.

Credits: 4

Offered by: Mathematics and Statistics (Faculty of Science)

This course is not offered this catalogue year.

Description

Numerical solution of initial and boundary value problems in science and engineering: ordinary differential equations; partial differential equations of elliptic, parabolic and hyperbolic type. Topics include Runge Kutta and linear multistep methods, adaptivity, finite elements, finite differences, finite volumes, spectral methods.

- Winter
- Prerequisites: MATH 475 and MATH 387 or permission of the instructor.

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