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Chapter 8: Department of Applied Mathematics

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Prof. Dr. Arnulf Jentzen, Angewandte Mathematik Münster: Institut für Analysis und Numerik

This course introduces a variety of applied numerical methods as a means for solving a wide range of engineering problems. Methods to address linear and nonlinear equations, curve fitting, numerical ...

CHEN.3170 Applied Engineering Problem Solving (Formerly 10.317)

Math topics include: vector calculus ... Green's functions for the solution of ordinary differential equations and Poisson's equation, and the calculus of variations. Linear ordinary differential ...

Applied and Computational Mathematics

numerical integration and differentiation as well as numerical solutions to ordinary differential equations. MATLAB program development and modification as well as application of existing codes are ...

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Department of Mathematics and Philosophy

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numerical solution of ordinary differential equations, approximation theory. MATH 4426 Probability (Fall/Spring: 3) Prerequisites: MATH 2202 Multivariable Calculus and familiarity with using a ...

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Mathematics Degrees Offered

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Ordinary Differential Equations

(3) Systems of linear equations, matrix algebra, vector spaces, linear transformations, and related topics. Prerequisite: MATH 134; or MATH 138; or MATH 133 and MATH 255; or MATH 137 and MATH 255. 333 ...

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