Ankara Üniversitesi
Kütüphane ve Dokümantasyon Daire Başkanlığı

Açık Ders Malzemeleri

Çalışma Planı (Çalışma Takvimi)

Haftalar	Haftalık Konu Başlıkları
1.Hafta	■ - Numerical Methods in General - Programming - Approximations and Round-off Errors - Truncation Errors and the Taylor Series ■
2.Hafta	- Roots of Equations - Bracketing Methods - Open Methods
3.Hafta	○ - Roots of Polynomials - Roots location with Software Packages ○
4.Hafta	• - Linear algebraic equations - Elimination of unknowns - Gauss Elimination - Techniques for improving solutions •
5.Hafta	• - Complex Systems - Nonlinear Systems of Equations - Gauss-Jordan •
6.Hafta	• - LU decomposition - Matrix Inversion •
7.Hafta	• - Special Matrices - Software Packages
8.hafta	•

Haftalar	Haftalık Konu Başlıkları
	• Gauss-Seidel,
	• Software Packages
	•
9.Hafta	•
	• Least-Squares Regression
	• General linear least Squares
	• Nonlinear Regression
	•
10.Hafta	• Interpolation
	• Lagrange Interpolating Polynomials
	• Inverse interpolation,
	• Spline interpolation
11.Hafta	•
	• Numerical Differentiation
	• Numerical Integration
	• Software Packages
	•
12.Hafta	•
	• Ordinary Differential Equations
	• Euler's Method
	• Runge-Kutta Methods
	•
13.Hafta	•
	• Ordinary Differential Equations
	• Runge-Kutta Methods
	•
14.Hafta	•
	• Boundary-Value and Eigenvalue Problems
	• Odes and Eigenvalues with Software Packages
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