

NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Mathematics - NOC:Optimization Algorithms: Theory and Software Implementation

Subject Co-ordinator - Prof. Thirumulanathan D

Co-ordinating Institute - IIT - Kanpur

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 1 - Introduction to Optimization
Lecture 2 - Introduction to Optimization (Continued...)
Lecture 3 - Introduction to Optimization (Continued...)
Lecture 4 - Introduction to Optimization (Continued...)
Lecture 5 - Introduction to Optimization (Continued...)
Lecture 6 - Introduction to Python
Lecture 7 - Introduction to Python (Continued...)
Lecture 8 - Introduction to Python (Continued...)
Lecture 9 - Introduction to Python (Continued...)
Lecture 10 - Introduction to Python (Continued...)
Lecture 11 - Optimization Algorithms
Lecture 12 - Optimization Algorithms (Continued...)
Lecture 13 - Optimization Algorithms (Continued...)
Lecture 14 - Optimization Algorithms (Continued...)
Lecture 15 - Optimization Algorithms (Continued...)
Lecture 16 - Gradient Descent/Conjugate Gradient Algorithms
Lecture 17 - Gradient Descent/Conjugate Gradient Algorithms (Continued...)
Lecture 18 - Gradient Descent/Conjugate Gradient Algorithms (Continued...)
Lecture 19 - Gradient Descent/Conjugate Gradient Algorithms (Continued...)
Lecture 20 - Gradient Descent/Conjugate Gradient Algorithms (Continued...)
Lecture 21 - Newton's Method
Lecture 22 - Newton's Method (Continued...)
Lecture 23 - Newton's Method (Continued...)
Lecture 24 - Newton's Method (Continued...)
Lecture 25 - Newton's Method (Continued...)
Lecture 26 - Quasi-Newton Methods
Lecture 27 - Quasi-Newton Methods (Continued...)
Lecture 28 - Quasi-Newton Methods (Continued...)
Lecture 29 - Quasi-Newton Methods (Continued...)

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- Lecture 30 - Quasi-Newton Methods (Continued...)
- Lecture 31 - Quadratic Penalty Method
- Lecture 32 - Quadratic Penalty Method (Continued...)
- Lecture 33 - Quadratic Penalty Method (Continued...)
- Lecture 34 - Quadratic Penalty Method (Continued...)
- Lecture 35 - Quadratic Penalty Method (Continued...)
- Lecture 36 - Augmented Lagrangian Method
- Lecture 37 - Augmented Lagrangian Method (Continued...)
- Lecture 38 - Augmented Lagrangian Method (Continued...)
- Lecture 39 - Augmented Lagrangian Method (Continued...)
- Lecture 40 - Augmented Lagrangian Method (Continued...)
- Lecture 41 - Simplex Method
- Lecture 42 - Simplex Method (Continued...)
- Lecture 43 - Simplex Method (Continued...)
- Lecture 44 - Simplex Method (Continued...)
- Lecture 45 - Simplex Method (Continued...)
- Lecture 46 - Affine Scaling Method
- Lecture 47 - Affine Scaling Method (Continued...)
- Lecture 48 - Affine Scaling Method (Continued...)
- Lecture 49 - Affine Scaling Method (Continued...)
- Lecture 50 - Affine Scaling Method (Continued...)
- Lecture 51 - Affine Scaling Method (Continued...)
- Lecture 52 - Affine Scaling Method (Continued...)
- Lecture 53 - Affine Scaling Method (Continued...)
- Lecture 54 - Affine Scaling Method (Continued...)
- Lecture 55 - Affine Scaling Method (Continued...)
- Lecture 56 - An application from machine learning
- Lecture 57 - An application from machine learning (Continued...)
- Lecture 58 - An application from machine learning (Continued...)
- Lecture 59 - An application from machine learning (Continued...)
- Lecture 60 - An application from machine learning (Continued...)