NPTEL Video Course - Civil Engineering - NOC:Design of Steel Structures

Subject Co-ordinator - Prof. Damodar Maity

Co-ordinating Institute - IIT - Kharagpur

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

Lecture 30 - Design Strength of Compression Members
Lecture 31 - Compressive Strength
Lecture 32 - Compressive Strength of Angle Struts
Lecture 33 - Compressive Strength of Double Angles
Lecture 34 - Design of Compression Members
Lecture 35 - Design of Builtup Compression Members
Lecture 36 - Lacing Systems
Lecture 37 - Design of Lacing Systems
Lecture 38 - Connection Design of Lacing Systems
Lecture 39 - Design of Double Lacing System
Lecture 40 - Batten Plates
Lecture 41 - Design of Batten Plates using Bolt Connection
Lecture 42 - Design of Batten Plates using Weld Connection
Lecture 43 - Design of Column Splices
Lecture 44 - Design of Column Splices due to Shear
Lecture 45 - Introduction to Flexural Members
Lecture 46 - Failure Modes of Flexural Members
Lecture 47 - Laterally Supported Beams
Lecture 48 - Design of Laterally Supported Beams
Lecture 49 - Laterally Supported Beams with High Shear
Lecture 50 - Laterally Unsupported Beams
Lecture 51 - Strength Calculation of Laterally Unsupported Beams
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Lecture 57
Lecture 58 - Worked out Example for Gantry Girder
Lecture 59 - Slab Base
Lecture 60 - Design of Slab Base
Lecture 61 - Eccentrically Loaded Base Plate
Lecture 62 - Gusset Base
Lecture 63 - Design of Gusset Base