

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

NPTEL Video Course - Mechanical Engineering - NOC:Fundamental of Welding Science and Technology

Subject Co-ordinator - Prof. Pankaj Biswas

Co-ordinating Institute - IIT - Guwahati

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

Lecture 1 - Introduction of welding
Lecture 2 - Classification of welding and joints
Lecture 3 - Parts of weld joint
Lecture 4 - Welding Symbol
Lecture 5 - welding power source - 1
Lecture 6 - Welding power source - 2
Lecture 7 - Welding Power sources characteristics - 1
Lecture 8 - Welding Power sources characteristics - 2
Lecture 9 - Physics of welding - 1
Lecture 10 - Physics of welding - 2
Lecture 11 - Physics of welding - 4 (Arc Stability and Arc Blow)
Lecture 12 - Physics of welding - 3
Lecture 13 - Physics of welding - 5 (Metal Transfer-1)
Lecture 14 - Physics of welding - 6 (Metal Transfer-2)
Lecture 15 - Physics of welding - 7 (Metal Transfer-3)
Lecture 16 - Physics of welding - 8 (Metal Transfer-4)
Lecture 17 - Physics of welding - 9 (Metal Transfer-5)
Lecture 18 - Physics of welding - 10 (Metalting Efficiency)
Lecture 19 - Oxy-Fuel Gas Welding
Lecture 20 - Shielded Metal Arc Welding
Lecture 21 - Gas Tungsten Arc Welding
Lecture 22 - Gas Metal Arc Welding
Lecture 23 - Submerged Arc Welding
Lecture 24 - Welding Defects and Inspection

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