Mindluster Platform

About the course Plastic Working of Metals

Plastic Working of Metals course in hindi, in this course we delve into techniques for shaping and forming metals through plastic deformation processes.

Engineering Category's Courses

Course Lesson(37)

Lesson 1 : **Plastic Working of Metallic Materials Introduction Video**

Lesson 2 : **Lec 1 Introduction to Plastic Working of Metals**

Lesson 3 : **Lec 2 Uniaxial Tension Test Analysis**

Lesson 4 : **Lec 3 Temperature effects in metal forming**

Lesson 5 : **Lec 4 Friction and Lubrication**

Lesson 6 : **Lec 5 Friction and Lubrication contd**

Lesson 7 : **Lec 6 Deformation zone worked examples**

Lesson 8 : **Lec 7 Stresses at point Theory of Plasticity**

Lesson 9 : **Lec 8 Slab Analysis**

Lesson 10 : **Lec 9 Slip Line Field Theory part 1**

Lesson 11 : **Lec 10 Slip Line Field Theory Part 2**

Lesson 12 : **Lec 11 Upper Bound Theorem**

Lesson 13 : **Lec 12 Plasticity equations**

Lesson 14 : **Lec 13 Forging**

Lesson 15 : **Lec 14 Analysis of Forging**

Lesson 16 : **Lec 15 Analysis of Forging Contd**

Lesson 17 : **Lec 16 Forging Die Design consideration**

Lesson 18 : **Lec 17 Forging Load**

Lesson 19 : **Lec 18 Rolling of Metals**

Lesson 20 : **Lec 19 Analysis of Rolling**

Lesson 21 : **Lec 20 Analysis of Rolling Contd**

Lesson 22 : **Lec 21 Strain rate in the deformation zone**

Lesson 23 : **Lec 22 Rolling mills**

Lesson 24 : **Lec 23 Prblem on rolling**

Lesson 25 : **Lec 24 Drawing of Rods Wires and Tubes**

Lesson 26 : **Lec 25 Drawing of Rods Wires and Tubes Contd**

Lesson 27 : **Lec 26 Analysis of Wire Drawing**

Lesson 28 : **Lec 27 Wire Drawing Tutorial Problems**

Lesson 29 : **Lec 28 Extrusion Process**

Lesson 30 : **Lec 29 Analysis of Extrusion**

Lesson 31 : **Lec 30 Introduction**

Lesson 32 : **Lec 31 Sheet deformation process**

Lesson 33 : **Lec 32 Deformation of sheet in plane stress**

Lesson 34 : **Lec 33 Analysis of stamping**

Lesson 35 : **Lec 34 Instability in sheet metal forming**

Lesson 36 : **Lec 35 Deep drawing**

Lesson 37 : **Lec 36 Hydroforming**

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