Mindluster Platform

About the course electromagnetic analysis Techniques

electromagnetic analysis course in hindi, in this course we will explore electromagnetic analysis techniques and their applications in various fields.

Engineering Category's Courses

Course Lesson(39)

Lesson 1 : **Mathematical Modeling of Manufacturing Processes Introduction Video**

Lesson 2 : **Lec 1 Materials and manufacturing Processes 1**

Lesson 3 : **Lec 2 Materials and manufacturing Processes 2**

Lesson 4 : **Lec 3 Physics based modeling approach at different scale**

Lesson 5 : **Lec 4 Evaluation of Properties and process modelling**

Lesson 6 : **Lec 5 Thermofluid and electromagnetic analysis**

Lesson 7 : **Lec 6 Solid state deformation and residual stress 1**

Lesson 8 : **Lec 7 Solid state deformation and residual stress 2**

Lesson 9 : **Lec 8 Meltiing solidification and additive manufacturing**

Lesson 10 : **Lec 9 Force and velocity diagram 1**

Lesson 11 : **Lec 10 Force and velocity diagram 2**

Lesson 12 : **Lec 11 Heat transfer analysis**

Lesson 13 : **Lec 12 Principal and mechanism at different processes 1**

Lesson 14 : **Lec 13 Principal and mechanism at different processes 2**

Lesson 15 : **Lec 14 Mechanics of bulk metal forming**

Lesson 16 : **Lec 15 Mechanics of sheet metal forming 1**

Lesson 17 : **Lec 16 Mechanics of sheet metal forming 2**

Lesson 18 : **Lec 17 Heat transfer and thermomechanical processing**

Lesson 19 : **Lec 18 Fusion welding processes 1**

Lesson 20 : **Lec 19 Fusion welding processes 2**

Lesson 21 : **Lec 20 Physics of welding and metal transfer**

Lesson 22 : **Lec 21 Heat source model in fusion welding**

Lesson 23 : **Lec 22 Heat transfer and material flow**

Lesson 24 : **Lec 23 Solidification in welding 1**

Lesson 25 : **Lec 24 Solidification in welding 2**

Lesson 26 : **Lec 25 Solid state welding 1**

Lesson 27 : **Lec 26 Solid state welding 2**

Lesson 28 : **Lec 27 Hybrid welding residual stress and distortion**

Lesson 29 : **Lec 28 Cooling and solidification at different casting processes**

Lesson 30 : **Lec 29 Powder metallurgy**

Lesson 31 : **Lec 30 Principle of surface and coating technologies**

Lesson 32 : **Lec 31 Principle and development of additive manufacturing technologies 1**

Lesson 33 : **Lec 32 Principle and development of additive manufacturing technologies 2**

Lesson 34 : **Lec 33 Fundamentals of heat treatment**

Lesson 35 : **Lec 34 Evaluation of microstructural properties and residual stress**

Lesson 36 :
Lec 35 Down scaling of conventional manufacturing processes and Micro to nano manufacturing

Lesson 37 : **Lec 36 Packaging micro finishing and micro manufacturing processes**

Lesson 38 : **Lec 37 Processing and shaping of non metals and bio materials**

Lesson 39 : **Lec 38 Principle of glass and ceramics processing and their shaping**

Related courses

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