Mindluster Platform

About the course MATLAB coding Basics

MATLAB coding course in hindi, in this course covers essential programming skills in MATLAB, enabling students to solve complex problems and analyze data effectively.

Programming Category's Courses

Course Lesson(29)

Lesson 1 : **Theory of Composite Shells Intro Video**

Lesson 2 : **Lec 1 Introduction to composite materials**

Lesson 3 : **Lec 2 Basic terminology in Shell**

Lesson 4 : **Lec 3 Derivation of fundamental theorem of surfaces**

Lesson 5 : **Lec 4 Derivative of unit vectors and various theorems**

Lesson 6 : **Lec 5 Classification of shells**

Lesson 7 : **Lec 6 Derivation of strain displacement relation**

Lesson 8 : **Lec 7 Derivation of shell governing equations 1**

Lesson 9 : **Lec 8 Derivation of shell governing equations 2**

Lesson 10 : **Lec 9 Derivation of shell governing equations 3**

Lesson 11 : **Lec 10 Derivation of special cases**

Lesson 12 : **Lec 11 Derivation of shell constitutive relations**

Lesson 13 : **Lec 12 Solved examples on membrane theory and momemnt shell theory**

Lesson 14 : **Lec 13 Shell of revolution problems**

Lesson 15 : **Lec 14 Derivation of Navier solution for infinite shell panel**

Lesson 16 : **Lec 15 Basics of MATLAB coding**

Lesson 17 : **Lec 16 Derivation of Navier solution for finite shell panel**

Lesson 18 : **Lec 17 ABAQUS MODELLING**

Lesson 19 : **Lec 18 Extended Kanatrovich method for shell panel**

Lesson 20 : **Lec 19 Free Vibration solution of shell panels under Navier and Levy supports 1**

Lesson 21 : **Lec 20 Free Vibration solution of shell â€‹panels under Navier and Levy supports 2**

Lesson 22 : **Lec 21 Basics of Buckling of shells**

Lesson 23 : **Lec 22 Buckling of cylindrical shells**

Lesson 24 : **Lec 23 Buckling of Levy type cylindrical shells**

Lesson 25 : **Lec 24 3D Bending**

Lesson 26 : **Lec 25 3D Free vibaration**

Lesson 27 : **Lec 26 3D Buckling**

Lesson 28 : **Lec 27 Advanced Material**

Lesson 29 : **Lec 28 Free vibration of a composite cylindrical shell**

Related courses

React Projects Workshops

Node js back end JavaScript

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