NPTEL Video Course - Civil Engineering - NOC:Advanced Soil Mechanics

Subject Co-ordinator - Prof. Sreedeep S

Co-ordinating Institute - IIT - Guwahati

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



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Lecture 30 - Interpretation triaxial test - CD
Lecture 31 - Some additional aspects of shear strength
Lecture 32 - Summary of Module 2
Lecture 33 - Stress path and representation
Lecture 34 - Failure line in stress path
Lecture 35 - Stress path-some common cases - I
Lecture 36 - Stress path-some common cases - II
Lecture 37 - Stress path-triaxial test-drained
Lecture 38 - Stress path-triaxial test-undrained
Lecture 39 - Stress path-additional undrained case
Lecture 40 - Stress path-field cases - I
Lecture 41 - Stress path-field cases - II
Lecture 42 - Stress path problems
Lecture 43 - Summary of Module 3
Lecture 44 - Introduction-critical state soil mechanics
Lecture 45 - Introduction-critical state soil mechanics
Lecture 46 - CSSM-2 D representation
Lecture 47 - Peak state
Lecture 48 - Soil yielding
Lecture 49 - Cam clay
Lecture 50 - Modified Cam clay
Lecture 51 - Prediction of soil behavior from MCCM
Lecture 52 - Prediction of soil behavior from MCCM
Lecture 53 - Strain from MCCM
Lecture 54 - State boundary surface
Lecture 55 - CSSM problems
Lecture 56 - Summary of Module 4
Lecture 57 - Closure of Advanced Soil Mechanics Course

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