NPTEL Video Course - Mathematics - NOC:Advanced Linear Algebra

Subject Co-ordinator - Prof. Premananda Bera

Co-ordinating Institute - IIT - Roorkee

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

Lecture 30 - Invariant Subspaces - II
Lecture 31 - Application of Invariant Subspaces - I
Lecture 32 - Application of Invariant Subspaces - II
Lecture 33 - Direct Sum Decompositions - I
Lecture 34 - Direct Sum Decompositions - II
Lecture 35 - Invariant Direct Sums - I
Lecture 36 - Invariant Direct Sums - II
Lecture 37 - Decomposition of space and Operator - I
Lecture 38 - Decomposition of Space and Operator - II
Lecture 39 - Applications of Primary Decomposition Theorem - I
Lecture 40 - Applications of Primary Decomposition Theorem - II
Lecture 41 - Applications of Primary Decomposition Theorem - III
Lecture 42 - Inner Products - I
Lecture 43 - Inner Products - II
Lecture 44 - Inner Product Spaces - I
Lecture 45 - Inner Product Spaces - II
Lecture 46 - Best Approximation in I.P.S.
Lecture 47 - Orthogonal Projection in I.P.S.
Lecture 48 - Linear Functionals and Adjoints - I
Lecture 49 - Linear Functionals and Adjoints - II
Lecture 50 - Linear Functionals and Adjoints - III
Lecture 51 - Linear Functionals and Adjoints - IV
Lecture 52 - Isomorphism in Inner Product Spaces
Lecture 53 - Unitary Operators - I
Lecture 54 - Unitary Operators - II
Lecture 55 - Application of Unitary O. and Initiation of Normal Operator
Lecture 56 - Normal Operator - I
Lecture 57 - Normal Operator - II
Lecture 58 - Normal Operator and It's Spectral Resolution
Lecture 59 - Singular Value Decomposition of a Matrix
Lecture 60 - Forms on Inner product Spaces