NPTEL Video Course - Mathematics - NOC:Basic Calculus 1

Subject Co-ordinator - Prof. Arindama Singh

Co-ordinating Institute - IIT - Madras

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

Lecture 1 - The Real line - Part 1
Lecture 2 - The Real line - Part 2
Lecture 3 - Absolute value - Part 1
Lecture 4 - Absolute value - Part 2
Lecture 5 - Functions - Part 1
Lecture 6 - Functions - Part 2
Lecture 7 - Transcendental and trigonometric Functions - Part 1
Lecture 8 - Transcendental and trigonometric Functions - Part 2
Lecture 9 - Limits of functions - Part 1
Lecture 10 - Limits of functions - Part 2
Lecture 11 - Algebra of limits - Part 1
Lecture 12 - Algebra of limits - Part 2
Lecture 13 - One-sided limits - Part 1
Lecture 14 - One-sided limits - Part 2
Lecture 15 - Limits at infinity - Part 1
Lecture 16 - Limits at infinity - Part 2
Lecture 17 - Infinite limits - Part 1
Lecture 18 - Infinite limits - Part 2
Lecture 19 - Continuity - Part 1
Lecture 20 - Continuity - Part 2
Lecture 21 - Algebra of continuous functions - Part 1
Lecture 22 - Algebra of continuous functions - Part 2
Lecture 23 - Results on continuity - Part 1
Lecture 24 - Results on continuity - Part 2
Lecture 25 - Differentiability - Part 1
Lecture 26 - Differentiability - Part 2
Lecture 27 - Derivative and tangent - Part 1
Lecture 28 - Derivative and tangent - Part 2
Lecture 29 - Rules of differentiation - Part 1

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Lecture 30 - Rules of differentiation - Part 2
Lecture 31 - Differentiation exercises - Part 1
Lecture 32 - Differentiation exercises - Part 2
Lecture 33 - Maxima and minima - Part 1
Lecture 34 - Maxima and minima - Part 2
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Lecture 36 - Rolleâ  s theorem and mean value theorem - Part 2
Lecture 37 - Using Rolleâ  s theorem and Mean value theorem - Part 1
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Lecture 65 - The washer method - Part 1
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Lecture 67 - Volumes by cylindrical shells - Part 1
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Lecture 69 - Lengths oc curves - Part 1
Lecture 70 - Lengths oc curves - Part 2
Lecture 71 - Areas of surface of revolution - Part 1
Lecture 72 - Areas of surface of revolution - Part 2

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