Tennessee Technological University

Last Revised: 11/12/20

7.8 Improper Integrals

Chapter 8:
8.1 Arc Length
8.2 Area of a surface of a Revolution
8.3 Applications to Physics and Engineering

Chapter 10:
10.1 Curves Defined by Parametric Equations
10.2 Calculus with Parametric Curves
10.3 Polar Coordinates
10.4 Calculus in Polar Coordinates
10.5 Conic Sections (optional)

Chapter 11:
11.1 Sequences
11.2 Series
11.3 The Integral Test and Estimates of Sums
11.4 The Comparison Tests
11.5 Alternating Series and Absolute Convergence
11.6 The Ratio and Root Tests
11.7 Strategy for Testing Series
11.8 Power Series
11.9 Representations of Functions as Power Series
11.10 Taylor and McLaurin Series

VI.   PN

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