API_Calculus

4. Integration

4.1 Approximating Area under a curve and above the x-axis

4.2 Definite Integral

4.3 Theorems of Definite Integral

4.4 The Fundamental Theorem of Calculus

4.5 Indefinite Integral (Antiderivatives)

4.6 More Rules for Indefinite Integrals

4.7 Strategy for Integration

4.8 Area Between Curves

5. Integrals and Transcendental Functions

5.1 Basic Results

5.2 Derivative and Antiderivative of Exponential Function

5.3 Re-visit the Power Rule and Trig. Rules

5.4 Derivative and Antiderivative of Inverse Trig. Functions

5.5 Derivative and Antiderivative of Hyperbolic Functions

5.6 L`Hopital`s Rule

5.7 Applications: Relative Rates of Growth