

Calculus Single Variable 5e Solutions

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Calculus Single Variable 5e Solutions

number of variables, and with coefficients in an arbitrary ring. Rings of formal power series are complete local rings, and this allows using calculus-like... 50 KB (9,654 words) - 17:17, 3 March 2024

approximate measurements. Kelvin–Stokes theorem A theorem in calculus, useful in analytic solutions of problems in electromagnetism. Kilovolt-ampere A unit... 148 KB (19,286 words) - 15:22, 4 February 2024

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Introduction

Limits

Limit Expression

Derivatives

Tangent Lines

Slope of Tangent Lines

Integration

Derivatives vs Integration

Summary

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[Corequisite] Unit Circle Definition of Sine and Cosine
[Corequisite] Properties of Trig Functions
[Corequisite] Graphs of Sine and Cosine
[Corequisite] Graphs of Sinusoidal Functions
[Corequisite] Graphs of Tan, Sec, Cot, Csc
[Corequisite] Solving Basic Trig Equations
Derivatives and Tangent Lines
Computing Derivatives from the Definition
Interpreting Derivatives
Derivatives as Functions and Graphs of Derivatives
Proof that Differentiable Functions are Continuous
Power Rule and Other Rules for Derivatives
[Corequisite] Trig Identities
[Corequisite] Pythagorean Identities
[Corequisite] Angle Sum and Difference Formulas
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Higher Order Derivatives and Notation
Derivative of e^x
Proof of the Power Rule and Other Derivative Rules
Product Rule and Quotient Rule
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 take the tangent of both sides of the equation
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