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**Título:** Differential And Integral Calculus: Third Edition

**Autor:** Edmund Landau

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**Sinopsis**

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After completing his famous Foundations of Analysis (See AMS Chelsea Publishing, Volume 79.H for the English Edition and AMS Chelsea Publishing, Volume 141 for the German Edition, Grundlagen der Analysis), Landau turned his attention to this book on calculus. The approach is that of an unrepentant analyst, with an emphasis on functions rather than on geometric or physical applications. The book is another example of Landau's formidable skill as an expositor. It is a masterpiece of rigor and clarity.

Reviews

"And what a book it is! The marks of Landau's thoroughness and elegance, and of his undoubted authority, impress themselves on the reader at every turn, from the opening of the preface ... to the closing of the final chapter. It is a book that all analysts ... should possess ... to see how a master of his craft like Landau presented the calculus when he was at the height of his power and reputation."

-- Mathematical Gazette

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Functions and continuity

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Definition of the derivative

General theorems on the formation of the derivative

Increase, decrease, maximum, minimum

General properties of continuous functions on closed intervals

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Rolle's theorem and the theorem of the mean  
Derivatives of higher order; Taylor's theorem  
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Infinite series  
Uniform convergence  
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The trigonometric functions  
Functions of two variables and partial derivatives  
Inverse functions and implicit functions  
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