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Fundamentals of calculus.

Hoboken, NJ: John Wiley & Sons (ISBN 978-1-119-01526-0/hbk; 978-1-119-01539-0/set). xiii, 352 p. (2016).

The book under review is an introductory textbook to the calculus of real functions of a single real variable (one chapter is devoted to a brief introduction to real functions of several variables). It consists of the following sections: Linear Equations and Functions, The Derivative, Using the Derivative, Exponential and Logarithmic Functions, Techniques of Differentiation, Integral Calculus, Techniques of Integration, Functions of Several Variables, Series and Summations, Applications to Probability. The stress is in explaining the mathematical principles in problem solving, rather then in building a consistent theory. The properties of functions are explained, but neither formulated as theorems nor proved. For this reason the book is aimed at students of applied science more that at students of mathematics. The text is followed by a large number of solved and non-solved problems, mostly classical ones, not requiring deeper mathematical knowledge. The problems cover different applications of mathematics, but mostly those in economy and finance.

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Classification: I15 M45
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