



## Elements of the Differential Calculus: With Index (Classic Reprint) (Paperback)

By Wesley Stokes Baker Woolhouse

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Excerpt from Elements of the Differential Calculus: With Index On first commencing to read the Differential Calculus, a subject which open a wide field of analytical research, the student enters upon an entirely new system of thought. In his previous investigations he has always been accustomed to consider quantities, whether known or unknown, as having some fixed or determinate value; he has now to conceive the values of certain quantities to undergo continuous changes, and to operate upon these changes with new symbols and new processes, which in themselves have but a remote analogy to ordinary Algebra. When two quantities, thus continuously variable, are connected by an analytical equation, and their values are therefore mutually dependent on each other, and they are supposed to be affected by simultaneous changes, it is evident that the increments will also be connected by some corresponding analytical relation. The primary object of the Calculus is to establish general methods of investigating the nature and properties of such relations when the changes or increments are supposed to be small. To effect this,...



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