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Applied Calculus an Introductory Textbook (Classic Reprint)

By Frederick Francis Percival Bisacre

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Applied Calculus an Introductory Textbook This book is intended to provide an introductory course in the Calculus for the use of students of natural and applied science whose knowledge of mathematics is slight. All the mathematics that the student is assumed to know is algebra up to quadratic equations; elementary trigonometry up to the formulae of sines, cosines, and tangents of compound angles; the elements of geometry; and the method of graphs. Infinite series are essentially difficult and unconvincing unless treated rigorously - as the old conundrum of Achilles and the tortoise shows - and there is no need to use them in the elementary parts of the subject. They have therefore been avoided altogether. Definite problems, dealing with actual things, precede the analytical treatment, which I have tried to make simple and convincing; and I hope any reader who pursues the subject further in the standard works will find that he has only to extend and qualify the proofs, not to unlearn them. I have introduced and used limits in the first chapter before...



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