



A Primer of Calculus (Classic Reprint) (Paperback)

By Arthur Stafford Hathaway

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from A Primer of Calculus This Primer has been written to meet the needs of the author, first, for a primary course in the calculus, and secondly, for an outline of topics in a more advanced course that is suitable for combined lecture and text book instruction. The author s method of development is essentially Newton s method of fluxions, as presented by Hamilton in his Elements of Quaternions, Bk. III, ch. II. This method is clear, logical, and scientific, and it deserves more recognition than it has received in general analysis, if for no other reason than that it is the method of the original discoverer of the calculus. Its failure to be adopted is due to want of early publication and defective notation, since it is remarkably perfect and general in principle. The subsequent discoverer, Leibnitz, gained the field by publications in a desirable notation, although founded upon inferior infinitesimal principles. Lagrange attempted a modification of the infinitesimal into the idea of a principal part as determined by first terms of expansions, and made...



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