



## An Elementary Treatise on the Differential Calculus Founded on the Method of Rates

By William Woolsey Johnson

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1908 Excerpt:  $\therefore 42At$ , etc. After the first, all the equations are of the form It is to be noticed that this value of  $y$  is not the only solution of the differential equation (4). In the first place, the fact that, had we included  $A_0$  in the assumed series there would have been no way of determining it, shows that  $A_0 + (\sin^{-1}c)^2$  is a more general solution. Again, had the odd powers of  $x$  been included in the assumed series, there would have been no way of determining  $J_4$ ; but the same relation (5) would have existed between the coefficients of successive odd powers. Thus we should have had the additional terms  $A_j x^{+} \rightarrow x^{+} + 1 - 3 - 5 + \dots$   $1V$   $2.3$   $2.3.4.5$   $2.3.4.5-6.7$  / This last series is in fact that for  $\sin^{-1} x$ , and its occurrence is due to the fact that  $y = \dots$



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