Introduction to the Calculus

By William Fogg Osgood

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. 1922 Excerpt: . = 1--x which lies above the axis of x. 6. A river bends around a meadow, making a curve that is approximately a parabola: y = x--4 x2, referred to a straight road that crosses the river, as axis of x; the mile is taken as the unit. How many acres of meadow are there between the road and the river? Ans. 6, nearly. 2. The Integral. In the preceding chapters we have treated the problem: Given a function; to find its derivative. The examples of the last paragraph are typical for the inverse problem: Given the derivative of a function; to find the function. Stated in equations, the problem is this. If DxU=u, or dU = udx, where u is given, to find U. The function U is called the integral of u with respect to x and is denoted as follows: Thus we...

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