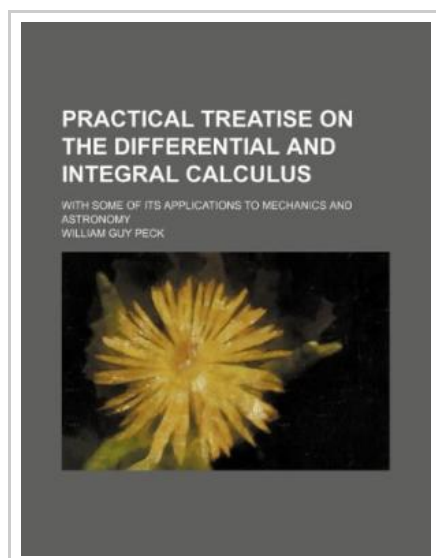




Practical Treatise on the Differential and Integral Calculus; With Some of Its Applications to Mechanics and Astronomy (Paperback)

By William Guy Peck

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. 1877 Excerpt: .as EDO, and when $M = 0$, it is concave upward, as EDC. PABT III. INTEGRAL CALCULUS. Object of the Integral Calculus. 59. The object of the integral calculus is to pass from a given differential to a function from which it may have been derived. This function is called the integral of the differential, and the operation of finding it is called integration. The operation of integration is indicated by this sign, $\int$, called the integral sign. Integration and differentiation are inverse operations, and their signs, when placed before a quantity, neutralize each other; thus, $dx = x$. A constant quantity connected with a function by the sign of addition, or subtraction, disappears by differentiation, hence, we must add a constant to the integral obtained; and inasmuch as this constant may have any value, it is said to be arbitrary. The integral, before the addition of...



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