



A Collection of Examples of the Applications of the Differential and Integral Calculus Volume 1-2; PT. 1820 (Paperback)

By George Peacock

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. 1820 Excerpt: .The evolute of each semicycloid, is an equal semicycloid in a reversed position. If a series of equal cycloids be described, whose bases are in the same straight line, the curve which cuts them all at right angles, is an equal cycloid in a inverted position: this is one of the simplest cases of the problem of orthogonal trajectories f. If any curve whatever AB (Fig. 85.), whose tangents at A and B are at right angles to its rectangular co-ordinates AC and BC respectively, be evolved into the curve BA , beginning from B; if again, BA be evolved into the curve B A , beginning from A , and B A into B A , beginning from B t and so on continually: each successive evolute will approximate more and more to a common cycloid, whose These quadratures were discovered by John Bernoulli, in 1699,...



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