Theory of Differential Equations Volume 2; Exact Equations and Pfaff s Problem

By Andrew Russell Forsyth

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. 1900 Excerpt: .t) t where (c)j is a regular function of and i in the immediate vicinity of t=0, v = 0. Now the required integral v is to vanish with t; take a point 0 near =0, and let the value of v there be -0. Join t to the origin by a curve, which is of finite length and does not make an infinite number of circuits round the origin; and integrate along this curve from t to t. We have vJe-Tt+tow ver,)e-rt, +uoca) = b log-+ (c), dt. t t0 t J fa As (c)1 is a regular function of t and v, then, if the variable v be such as to have only definite finite values along the curve of integration, the integral is a finite quantity, say E; and therefore v e-rt+ v, +tOv) =blogt + A + E, F. II. 11 where...

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