



## The Theory of Equations Volume 1; With an Introduction to the Theory of Binary Algebraic Forms

By William Snow Burnside

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. 1899 Excerpt: .65, we have  $4W-JC2] / = 0$ ; whence  $Vt = aB$ , where  $B$  is a root of the reducing cubic, and therefore  $ax + b = if + J - 28 - 2 - ff - v.a29g g$ , an expression which has only four values. This expression might of course be obtained from the resulting formula of Art. 61, or from that of Art. 63. The method of arriving at it in the present Example is a distinct method of solving the biquadratic. 27. Prove that every rational algebraic function of a root  $\theta$  of a given cubic equation can in general be reduced to the form  $C_0 + C_1\theta + D_1\theta^2$ . Let the given function be, where  $p(\theta)$  and  $q(\theta)$  are rational integral functions of  $\theta$  of any order. By successive substitutions from the given cubic each of these may be reduced to a quadratic. Hence the given function is reducible to the...



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