



The Institutes of Algebra; Being the First Part of a Course of Mathematics . (Paperback)

By Books Group

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. 1852 Excerpt: .by the second, and subtract the product from the first remainder. Divide the first term of this remainder by twice the first term of the root for the third term of the root. Multiply twice the first term plus twice the second, plus the third by the third, and subtract the product from the second remainder. From which another term of the root may be obtained. When the first term of any one of the remainders is not exactly divisible by twice the first term of the root, the polynomial is not a perfect square. Examples. 1. Extract the square root of $4x^2+6x+22x^2+15x+25$. $4x^2+6x+22x^2+15x+25$ $4x$ When a polynomial is not a perfect square, the expression for its square root may frequently be simplified by the rule for simplifying a radical of the second degree. Thus, take the expression $\sqrt{5} z y - x y + \dots$

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