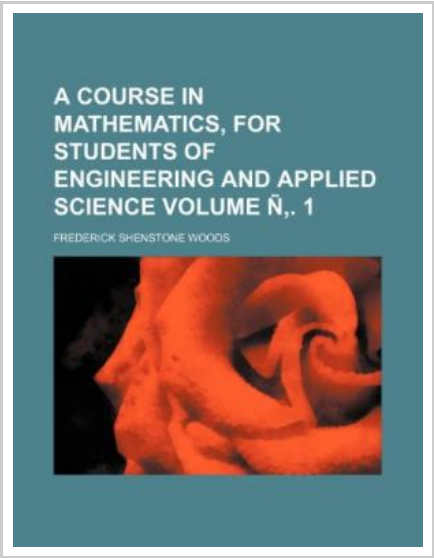

A Course in Mathematics, for Students of Engineering and Applied Science Volume N . 1

By Frederick Shenstone Woods

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 72 pages. Dimensions: 9.7in. x 7.4in. x 0.1in.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. 1907 Excerpt: . . . suggests a method of finding the tangent to any curve represented by an equation of the second degree, the slope of the tangent being given. For if m of the required tangent is known, its equation may be written y mx b, where b is not known. According to the definition of a tangent, however, b must have such value that the points of intersection of straight line and curve shall be coincident. This condition enables us to determine b, as shown in the following examples. Ex. 1. Find the equation of the tangent to the parabola 3 x2 2 y0, the slope of the tangent being 2. Since the slope of the tangent is 2, its equation may be written y 2 x b. Substituting this value of y in the equation of the parabola, we have the equation 3x2 4x 26 0. Since the...

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