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It is a textbook book at the College Freshman level based on the infinitesimals of Abraham Robinson, stated 1960. Robinson's modern approach puts intuitive ideas of the founders of the calculation on a mathematical basis, and is easier for beginners, understand the most common approach with Epsilon, Delta definitions. The first edition of this book was published in 1976, and a second revised edition was published in 1986, both by Prindle, Weber & Schmidt. When the second edition became out of print, copyright was returned to me as an author. In September 2002 I decided to make the book available for free in electronic form on this site. These PDF files have been made by the second printed edition, and are continually in the revision phase with minor corrections. A third edition of this book was published by Dover Publications, Inc. in 2012, with the agreement that this online version continues to be freely available. This gives you the choice to download this free version or to buy the printed book. This work is licensed under a Creative Commons Attribution-Noncommercial-Sharealike 3.0 Unported License. A photo of the cover the whole book in a large file (25 megabyte) chapter 11 comparative indices of chapter 1 The coordinated system à € "Fundamental reports 1-1 Introduction 1-2 Direct lines 1-3 Cartesian 1-4 Projections of a line segment on horizontal and vertical lines 1-5 Midpoint of a Segment 1-6 Line Distance between two points 1-7 Platform of one line 1-8 parallel and Perpendicular Lines 1-9 Angle Format by Intersecting Lines2. Straight line 2-1 Equation and Locus 2-2 The graph of an equation 2-3 The graph of a linear equation 2-4 Point-slope equation 2-5 The equation of two points 2-6 Track Interception equation 2-7 The function of Equation of first degree 2-8 Line Intersection3. 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