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Graphical and Mechanical Computation, Vol. 1: Alignment Charts (Classic Reprint)

By Joseph Lipka

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Graphical and Mechanical Computation, Vol. 1: Alignment Charts This book embodies a course given by the writer for a number of years in the Mathematical laboratory of the Massachusetts Institute of Technology. It is designed as an aid in the solution of a large number of problems which the engineer, as well as the student of engineering, meets in his work. In the opening chapter, the construction of scales naturally leads to a discussion of the principles upon which the construction of various slide rules is based. The second chapter develops the principles of a network of scales, showing their application to the use of various kinds of coordinate paper and to the charting of equations in three variables. Engineers have recognized for a long time the value of graphical charts in lessening the labor of computation. Among the charts devised none are so rapidly constructed nor so easily read as the charts of the alignment or nomographic type - a type which has been most fully developed by Professor M. d Ocagne of Paris....



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