



## A Textbook on the Method of Least Squares (Paperback)

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By Mansfield Merriman

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. 1915 Excerpt: .of the parts. Evidently the fewer the parts, the smaller will be R, and the greater the precision. Also the longer the chain, the fewer will be the parts, and the greater the precision. It must be carefully noted, however, that the preceding reasoning only applies to the accidental errors (Art. 7) of observation, and that all constant errors must be investigated, and removed from the results, before the formulas (37) and (39) are used. The effects of temperature on the length of the chain or tape, for instance, may be removed by reading the thermometer, and applying the proper computed corrections, and the effects of side deviations may be removed by making the chain sufficiently longer at the start. In general, the constant errors of linear measurements increase directly as the length of the line; while only the accidental errors increase as the square root..



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