



Theory of Errors and Least Squares; A Textbook for College Students and Research Workers

By Le Roy Dougherty Weld

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. 1916 Excerpt: . t, V_0 the capacity at zero and K a constant involving the coefficient of expansion of the glass. The two constants V_0 and K must be experimentally determined from time to time for any pycnometer that is used in accurate measurements of density. This may be done by finding the capacity at several different temperatures over the required range The following is a tabulation of eight such determinations, using distilled water and corrected for buoyancy of the air. Let the student form the eight observation equations and the two normal equations, and reduce for the most probable values of V_0 and K . (The approximate answers are, $V_0 = 25.2509$, $K = 0.0005244$.) 37. Illustrations from Surveying. 1. Locating a Distant Station.--Some of the best writers on surveying strongly recommend the use of rec If the range be large, K will vary somewhat. The range may...

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