Notes on Observations; Being an Outline of the Methods Used for Determining the Meaning and Value of Quantitative Observations and Experiments in Physics and Chemistry, and for Reducing the Results Obtained

By Sydney Lupton

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. 1898 Excerpt: . near together are given, and also the wave lengths of two of them, the wave length of the third can be calculated. Suppose X0, v X2 the wave lengths -0, nv n2 the scale readings of the three lines substituting in Lagrange s formula. J = J-1--2 1 wi--wo In the case of three bright lines of magnesium X0 = 5183, X2 = 5167, -0 = 74-5. -1 = 74-8, -2 = 75, . I J-2 1-3 V (5183)2.5+(5167)2.5 . X2=5173 instead of 5172. REFERENCES AND NOTES. 1. Boole: Finite Differences, 2nd edition, 38, 42. 2. Stokes: B.A. Report, 1849. W. Gibbs: Silliman s American Journal, 11. 1. 45. The result is only approximate. CHAPTER XI. MENSURATION. It is frequently required to find the length of a curve, the area of a plane, the surface or volume of a solid, or the contents of a...

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