



Some Physico-Chemical Themes

By Alfred Walter Stewart

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. 1922 Excerpt: .are experimentally ascertainable with the exception of N, the equation furnishes a means of determining Avogadro's constant Actual experiments on ethylene made by Onnes and Keeson have shown that the method is a practical one; and the result of their work led to the value $N = 75 \times 10^{22}$, the experimental error being about 15 per cent. 1 Smoluchowski, Acad. Sci. Cracow, December, 1907. Rayleigh, Phil. Mag., 1881, 41, 86; Lorenz, (Euvres, I., 496. As was pointed out by Rayleigh, somewhat similar considerations apply to the blue light which comes to us from the sky on a clear day. Here it is assumed that the nitrogen and oxygen molecules act as diffracting centres. Measurements made by Brillouin¹ lead to the value $N = 60 \times 10^{21}$, but these results are probably not without sources of error. 4. The Determination of N from Properties...



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