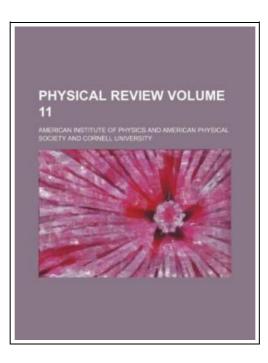
# Physical Review Volume 11



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#### Reviews

An extremely wonderful book with perfect and lucid information. This can be for all those who statte there had not been a really worth reading through. Its been written in an exceptionally easy way and it is only after i finished reading this ebook in which actually modified me, alter the way i really believe. (Kaelyn Reichel)

### **PHYSICAL REVIEW VOLUME 11**



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. 1900 Excerpt: .(Fig. 17), and is a straight line as other observers have shown it to be. It will be noticed that the curve continues a straight line on through the boiling point and for some distance above. It was pleasing to have the two curves gotten under such different conditions join so perfectly. This seems to indicate conclusively that the apparatus was capable of giving accurate results, and that the curve above 100 degrees undoubtedly represents the true values of the surface tension. The current required to lift the system in air at atmospheric pressure was 96.4 mv., at 2000 C, the current required to lift the system in the vapor was 96 mv., at 3000 C, 95 mv., and at 3600 C, 91 mv. From these values, which are taken from the base line, it is evident that the curve a is displaced by an amount equal to the drop in the base line. In the curve c (Fig. 17) temperatures are platted as abscissas and differences (between the curves a and b) as ordinates. This gives the true form of the curve, the data for which is contained in table VII. 1 Landolt and Bornstein, Phys.-Chem. Tables, p. 44. The surface tension can be expressed in any system of units when once its value is known for any given temperature, i. e., if we accept 74.22 dynes as its value at 200 C, then the surface tension at, say, 200 C. is 19.3 x 1.78...

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