



Physical Measurements Volume 1-4; Heat, Mechanics and Properties of Matter, in Collaboration with W.P. Roop and L.T. Jones

By Ralph S Minor

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: .and determine the difference in level of the mercury columns. Record the room-temperature, and the barometer-reading, v. (6) After having lowered the mercury on the bulb side, surround the bulb with shaved ice, and then determine the pressure with the meniscus at the wire point. The temperature may be taken as 0C. Melt the ice with warm water, and then make a series of determinations of the pressure when the water in the vessel is successively at a temperature of (approximately) 10, 20, 3.0, 45, 60, and 80C. Remove the water-bath, substitute a steam-bath in its place, and make another determination. The temperature of the steam-bath may be found by determining the boiling point of water from the known atmospheric pressure (see fables). Arrange all observations in tabular form. (c) Plot on coordinate paper the results of (6), using temperatures as abscissae and the corresponding pressures...



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