



Technical Thermodynamics; The Theory of Vapors (Paperback)

By Gustav Zeuner

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. 1907 edition. Excerpt: .pv = BT--Cp in equation (56), and also use equation (30), p. 231, remembering that with the vapor of water we substitute $K-1 m = n, K$ we also get for the steam heat $j+(i- r, \text{ or, after using equation (51), p. 245, we find after some transformations } J-J_0+l-c_9T (56c)$ For very great superheating or for the gaseous state there follows from this $J=J_0+cvT$, the same equation which was found earlier for the gas heat or heat contents of a gas (Vol. I, p. 132). If, in the same way, we transform equation (57) which was first found for the total heat X , we get for the vapor of water W_0+cp-P , (57c) and this equation differs from that given by Regnault in that it is simultaneously valid for saturated and superheated steam, while Regnault s empirical formula is only valid for dry saturated steam. Let...



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