



The Radiant Properties of the Earth from the Standpoint of Atmospheric Thermodynamics

By Frank Washington Very

Theclassics.us, United States, 2013. 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 usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1919 edition. Excerpt: . The fourth term involves Q which relates to thermal energy imported from without. If Q_1 -- Q_0 represent the transference of thermal energy without any restriction, its dimension will be that of energy, $[ML^2/T^2]$. In order to harmonize with the other terms of the equation, Q -- Q_0 must represent a quantity of thermal energy per unit mass, that is, the dimensional equation requires that M shall be taken out, so that the last term shall have the same dimension as the others. An example from the mean results for the European ascensions will show the meaning of the terms and their relation. The differential terms relate to the layer immediately below the given altitude. Take the height, $z = 10,000$ m., for which $T = 226$.o Abs. C. In the next 1000 meters below this altitude, the temperature gradient is $A...$



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