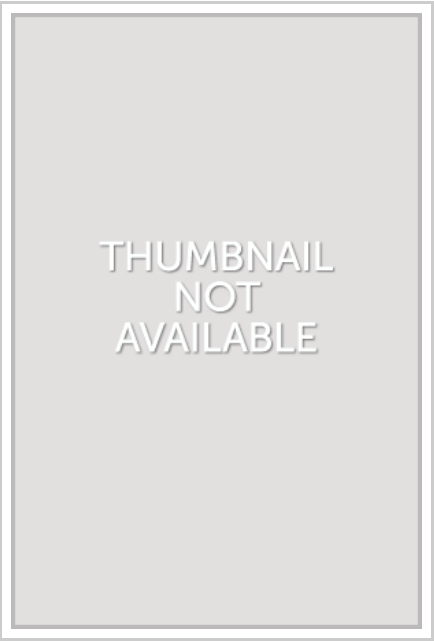


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A Treatise on the Sun s Radiation and Other Solar Phenomena: In Continuation of the Meteorological Treatise on Atmospheric Circulation and Radiation, 1915 (Classic Reprint) (Paperback)

By Frank H Bigelow

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from A Treatise on the Sun s Radiation and Other Solar Phenomena: In Continuation of the Meteorological Treatise on Atmospheric Circulation and Radiation, 1915 There are two fundamental problems in solar physics that need an immediate solution: (1) the nature of the solar radiation, whether it is black or gray, that is, whether it has full or imperfect efficiency, together with its amount at the sun, and in the different layers of the earths atmosphere; (2) the physical conditions at which this radiation generates, and the pressures, temperatures, densities, and gas efficiencies that are concerned with the observed phenomena in the solar spectra. It has been found that the system of non-adiabatic meteorology, which was explained in the Author s Treatise on Atmospheric Circulation and Radiation becomes equally applicable in the solar atmospheres by means of a simple transformation. These terms have been computed for several monatomic gases, by the method of trials, and the results are not only instructive in many directions, but they are in complete harmony with the observations made with the spectro-heliograph...

Reviews

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