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The Influence of a Magnetic Field Upon the Spark Spectra of Iron and Titanium (Classic Reprint) (Paperback)

By Arthur S King

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from The Influence of a Magnetic Field Upon the Spark Spectra of Iron and Titanium The investigation of which an account is given in the following pages was carried out during the year 1910 in the Pasadena laboratory of the Solar Observatory. The object was to obtain as complete data as possible concerning the influence of a magnetic field on the spectra of iron and titanium through a considerable range of wave-length, and to present this in such form as would be useful for reference in connection with questions concerning the effect of a magnetic field on the spectrum lines, such as those arising in investigations on sun-spots, as well as for comparison with the known phenomena of the Zeeman effect for spectra other than those of iron and titanium. The tables are designed to give an accurate description of all lines between 3700 and X 6700, so far as it has been possible to photograph them. The measurements of magnetic separations for each spectrum through this range show clearly the degree in which the separation...



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