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ULTRA-VIOLET ABSORPTION SPECTRUM OF CARBON DISULPHIDE VAPOR*

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(Abstract)

A large number of absorption bands have been measured between 3300A and 1900A, and the bands between 3800A and 2900A have been re-measured. The variation of the intensities with temperature has been studied for both band systems by the method described by Clements [Phys. Rev. 47, 220 (1934)]. By applying the results obtained from the Raman and the infrared absorption spectra, we have made some progress in the analysis of the band systems, although the intensity data have not yet been fully utilized.

*Contribution from the department of physics, University of Oklahoma.