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Optical Materials Characterization: Final Technical Report, February 1, 1978-September 30, 1978 (Classic Reprint) (Paperback)

By Albert Feldman

Forgotten Books, 2018. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. Excerpt from Optical Materials Characterization: Final Technical Report, February 1, 1978-September 30, 1978 Several techniques are used for measuring the refractive indices of optical materials; however, as part of this program, the measurements of n have been conducted on two precision spectrometers by the method of minimum deviation Schematic diagrams of both spectro meters are shown in Figure 1. The first spectrometer, which contains glass optics, is capable of measuring n in the Visible and in the near infrared to an accuracy of several parts in 10⁶. The second spectrometer, which contains mirror optics, is capable of measuring n from 200 nm in the ultraviolet to 50 μ m in the infrared to an accuracy of several parts in 10⁶. The accuracy depends on specimen quality and size. All values of refractive index are measured relative to the refractive index of air, n_a , that is we measure n/n_a . The value of n_a is about 1.00027 over the full wavelength range of measurement. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at [This book is a reproduction of...](#)



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