

Abstracts

High-Frequency Dielectric Processes in Liquids

J. Chamberlain, M.N. Afsar, G.J. Davies, J.B. Hasted and M.S. Zafar. "High-Frequency Dielectric Processes in Liquids." 1974 Transactions on Microwave Theory and Techniques 22.12 (Dec. 1974, Part I [T-MTT] (Special Issue on the Proceedings of the First International Conference on Submillimeter Waves and Their Applications)): 1028-1032.

Recent advances in dispersive Fourier spectrometry are described. The complex refractive indices of lossy materials are now directly measurable over a wide spectral range which extends from microwavelengths to the midinfrared. Some results for liquid ethanol and butanol are presented and interpretation of the spectra in terms of hydrogen bonding is offered.

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