

# Abstracts

## High-Resolution Submillimeter-Wave Fourier-Transform Spectrometry of Gases

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*J.W. Fleming. "High-Resolution Submillimeter-Wave Fourier-Transform Spectrometry of Gases." 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)): 1023-1025.*

Modern interferometric techniques now permit the measurement of broad-band absorption spectra of gases at submillimetric wavelengths to high resolution with comparative ease. This paper describes briefly some new spectra of  $\text{H}_2\text{O}$ ,  $\text{N}_2\text{O}$ , and  $\text{SO}_2$  in the 10-40  $\text{cm}^{-1}$  (0.33 to 1.4 THz) region, at a resolution of 0.05  $\text{cm}^{-1}$ .

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