

# Abstracts

## Wavelet Analysis of Backscattering Data from an Open-Ended Waveguide Cavity

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*H. Ling and H. Kim. "Wavelet Analysis of Backscattering Data from an Open-Ended Waveguide Cavity." 1992 *Microwave and Guided Wave Letters* 2.4 (Apr. 1992 [MGWL]): 140-142.*

The wavelet analysis technique is applied to analyze the electromagnetic backscattering data from an open-ended waveguide cavity. Compared to the conventional short-time Fourier transform, the wavelet transform results in a better representation of the scattering features in the time-frequency plane, due to its multiresolution property.

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