

Abstracts

Two-dimensional wavelet-analysis of a microstrip open

G. Oberschmidt, K. Bubke and A.F. Jacob. "Two-dimensional wavelet-analysis of a microstrip open." 1998 Transactions on Microwave Theory and Techniques 46.5 (May 1998, Part I [T-MTT]): 558-561.

Simple two-dimensional (2-D) wavelet systems are used in a moment method to analyze a microstrip discontinuity. This allows one to efficiently compress the impedance matrix. The achievable sparsity is discussed for different resolution depths where up to 85% was obtained for an error below 1%.

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