

Abstracts

Space adaptive analysis of evanescent waveguide filters

E.M. Tentzeris and L.P.B. Katehi. "Space adaptive analysis of evanescent waveguide filters." 1998 MTT-S International Microwave Symposium Digest 98.2 (1998 Vol. II [MWSYM]): 481-484.

The MRTD scheme is applied to the analysis of evanescent waveguide filters. Specifically, a space adaptive algorithm in 3 dimensions is implemented by thresholding the wavelet values. The results are compared to those obtained by use of the conventional FDTD to indicate considerable savings in memory and computational time.

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