

Abstracts

Modified RWG basis functions for analysis of periodic structures

P.S. Simon. "Modified RWG basis functions for analysis of periodic structures." 2002 MTT-S International Microwave Symposium Digest 02.3 (2002 Vol. III [MWSYM]): 2029-2032 vol.3.

Modifications to the popular Rao-Wilton-Glisson (RWG) triangle subdomain basis functions are described that allow their use in analyzing periodic structures where the electric or magnetic surface current must be allowed to flow across unit cell boundaries. Examples of frequency selective surfaces with this requirement include strip grids and meanderline polarizers.

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