

Abstracts

Space Domain Decoupling of LSE and LSM Fields in Generalized Planar Guiding Structures

A.S. Omar and K. Schunemann. "Space Domain Decoupling of LSE and LSM Fields in Generalized Planar Guiding Structures." 1984 MTT-S International Microwave Symposium Digest 84.1 (1984 [MWSYM]): 59-61.

LSE and LSM fields in generalized planar guiding structures are shown to be coupled only by means of the edge condition, which can be fulfilled as a final step in the analysis. This is utilized by applying the singular integral equation method to fin-lines. Modes up to the 20th are thus easily computed.

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