

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 *Transactions on Microwave Theory and Techniques* 32.12 (Dec. 1984 [T-MTT] (1984 Symposium Issue)): 1626-1632.

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 the final step in the analysis. This is utilized by applying the singular integral equation technique to finlines. Modes up to the thirtieth are thus easily and quickly computed.

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