

Abstracts

Accurate analysis of periodic structures with an additional symmetry in the unit cell from classical matrix eigenvalues

S. Amari, R. Vahldieck and J. Bornemann. "Accurate analysis of periodic structures with an additional symmetry in the unit cell from classical matrix eigenvalues." 1998 Transactions on Microwave Theory and Techniques 46.10 (Oct. 1998, Part I [T-MTT]): 1513-1515.

Dispersion diagrams of periodic structures with an additional symmetry in the unit cell are investigated by the example of a parallel-plate waveguide loaded with irises of zero thickness. The propagation constants of the Floquet modes are determined from the classical eigenvalues of a non-Hermitian matrix.

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