

Abstracts

Accelerated FD analysis of dielectric resonators

J. Mielewski, A. Cwikla and M. Mrozowski. "Accelerated FD analysis of dielectric resonators." 1998 Microwave and Guided Wave Letters 8.11 (Nov. 1998 [MGWL]): 375-377.

Finite-difference frequency-domain (FDFD) formulation, based on Yee's mesh, is used for determination of resonant frequencies of rotationally symmetric shielded dielectric resonators. Resulting eigenproblems are solved by means of the Arnoldi method with Chebyshev preconditioning.

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