

Abstracts

Efficient finite-element analysis of tilted open anisotropic optical channel waveguides

G. Tartarini and H. Renner. "Efficient finite-element analysis of tilted open anisotropic optical channel waveguides." 1999 Microwave and Guided Wave Letters 9.10 (Oct. 1999 [MGWL]): 389-391.

An iterative method to analyze open anisotropic dielectric waveguides with arbitrary dielectric tensor ϵ such as tilted channel waveguides is presented. The proposed β formulation approach reduces significantly the computational resources compared to previously proposed other choices.

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