

Abstracts

Scalar Variational Analysis of Single-Mode Waveguides with Rectangular Cross Section (Short Papers)

P.K. Mishra, A. Sharma, S. Labroo and A.K. Ghatak. "Scalar Variational Analysis of Single-Mode Waveguides with Rectangular Cross Section (Short Papers)." 1985 Transactions on Microwave Theory and Techniques 33.3 (Mar. 1985 [T-MTT]): 282-286.

We use the variational method to analyze single-mode optical waveguides with rectangular cross section. In particular, we propose a new trial field and show that it gives much better results and involves less computational effort as compared to other trial functions.

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