

Abstracts

Method of Lines with Special Absorbing Boundary Conditions--Analysis of Weakly Guiding Optical Structures

R. Pregla and D. Kremer. "Method of Lines with Special Absorbing Boundary Conditions--Analysis of Weakly Guiding Optical Structures." 1992 Microwave and Guided Wave Letters 2.6 (Jun. 1992 [MGWL]): 239-241.

It is shown that the introduction of special absorbing boundary conditions (SABC) in the method of lines (MoL) for applications in the integrated optics allows to make the discretized area smaller. The numerical effort decreases substantially. This effect will be demonstrated in case of a slab waveguide.

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