

Calculation of the vector modes of an optical waveguide

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Abstract:

The paper considers a method for calculation of eigenmodes of waveguides based on the method of conjugated sinusoidal modes. The corresponding software developed in the MathLab environment is used for the calculation of the modes of a weakly directing step-index fiber.

Keywords: optical waveguide, conjugated sinusoidal modes, MathLab, weakly directing step-index

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