

# Abstracts

## Irregular Magneto-Optical Waveguides

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A. Bentsionovich Manenkov. "Irregular Magneto-Optical Waveguides." 1981 *Transactions on Microwave Theory and Techniques* 29.9 (Sep. 1981 [T-MTT] (Special Issue on Open Guided Wave Structures)): 906-910.

The theory of wave propagation along irregular anisotropic guides (fibers) is discussed in brief. The problem in question is considered by spectral expansion, which is constructed, in turn, with the help of the scattering operator of conical waves. The general relations are illustrated by example of a round gyrotropic waveguide of a small cross section.

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