



Polarization switching in a planar optical waveguide

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Résumé en anglais	The multiscale expansion formalism is applied to the study of nonlinear planar optical waveguides. It allows us to describe the linear and nonlinear propagation for both transverse electric and transverse magnetic modes, and the interaction between them. An accurate computation of the nonlinear self- and cross-phase modulation coefficients allows one to give account of the polarization switching which has been observed experimentally.
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Liens

- [1] [http://okina.univ-angers.fr/publications?f\[author\]=15765](http://okina.univ-angers.fr/publications?f[author]=15765)
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