

WAVEGUIDING BY DIELECTRIC WAVEGUIDES AND PHOTONIC CRYSTALS

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The phenomena of waveguiding and diffraction in quasi 2-dimensional photonic crystals (PhCs) and embedded defect waveguides are discussed in comparison to the beam propagation in dielectric slab and channel waveguides. An analysis of out-of-plane radiation, superprism effects and fiber-to-chip coupling is included.

The authors gratefully acknowledge the support by the German Ministry of Education and Research (BMBF) under the grants 13N8245, 13N8252, 13N8251, 13N8249.