

Experimental generation and selection of Gauss-Hermite modes using DOE

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Abstract

The paper discusses the experimental results of the generation and analysis of light beams matched with the Gauss-Hermite modes based on the use of phase diffractive optical elements (DOEs). Binary and 16-gradation DOEs were produced by the method of electron lithography on the basis of phase masks designed by the partial coding method.

Keywords: Gauss-Hermite mode, DOE, diffractive optical element, light beam, electron lithography, coding method.

Citation: Khonina SN. Experimental generation and selection of Gauss-Hermite modes using DOE. *Computer Optics* 2002; 23: 15-22.

[Access full text \(in Russian\)](#)

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