
Method of computer generation of Fourier microholograms and optical system of their record on a holographic memory disk

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A method of computer generation and recording of Fourier holograms is presented. Advantages of the method are shown. The analysis of characteristics of the additional phase filter, which is necessary for smoothing of a range of Fourier holograms, is carried out. Influence of the filter and geometrical parameters of the spatially temporal light modulator on characteristics of the spatial-frequency range is analyzed.

Keywords: *Fourier hologram, computer generation, spatially temporal light modulator.*

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