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Random Phase Multiplexing for Volume Holographic Storage

Sun, Ching-Cherng; Teng, Tun-Chien; Hsu, Chih-Yuan; Su, Wei-Chia

Abstract

Two volume holographic storage schemes using random phase multiplexing technique are presented. A ground glass is spatially shifted to multiplex the signals for both storage schemes. The diffraction selectivity of the ground glass is experimental investigated and theoretically analyzed.