

ASSOCIATIVE IMAGE RECONSTRUCTION
AS A METHOD OF FORMATION
AND STABILIZATION OF THE ENERGY
DISTRIBUTION IN A LASER BEAM

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S u m m a r y

The principles of formation of laser beams with a given transverse distribution of the field amplitude making use of modified correlation holographic systems have been analyzed. Such beams are intended for using in optical tweezers. Computer simulation was applied to study the effect of input beam distortions on the amplitude properties of the output beam.