

OPTICAL LIMITERS OF INTENSIVE LASER
EMISSION BASED ON DYE-DOPED
POLYURETHANE ACRYLATE

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The analysis of nonlinear light absorption for optimization of optical limiters is performed. Based on this analysis, the nonlinear optical properties of one of the best polymethine dye N2093 in a polymeric medium are studied experimentally in the nanosecond 532-nm emission on the second harmonic of an Nd:YAG laser. The main characteristics of multi-element-limiters and the conditions of their use are presented.