

Physica Status Solidi (A) Applied Research 1985 vol.88 N2, pages 631-635

DYNAMIC ECHO-HOLOGRAM TRANSFORMATION IN THREE-LEVEL SYSTEMS.

Nefediev L., Samartsev V.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

Dynamic echo holography is a new field where photon (light) echo signals are used. Under certain conditions, information contained in the wave front of excited pulses can be reproduced in the wave front of echo signals. The peculiarities of hologram formation in three-level systems are investigated. Transformation of the real time scale and the events order reversion are possible in stimulated echo hologram recording.
