

# Laser-induced Dynamic Gratings

by H. J Eichler ; P Gunter ; D. W Pohl

15 Aug 1998 . Laser-induced dynamic grating spectroscopy<sup>1</sup> is a powerful time-resolved optical technique that is widely used to study a broad range of . The authors report experimental results on transient gratings induced in a homogeneous Kerr nonlinear medium by soliton beams. These stable self-trapped Laser-induced grating in ZnO - DTU Orbit NEW Laser Induced Dynamic Gratings BY H J Eichler Paperback . Laser-induced dynamic gratings / H.J. Eichler, P. Gunter, D.W. Pohl The estimation of such dynamic temperature enhancements is critical for the . Keywords: Laser induced grating spectroscopy, underwater shock wave, Laser-Induced Dynamic Gratings - Google Books Result The laser-induced transient grating method is applied to study the dynamics of the nematic MBBA . optical nonlinear properties of liquid crystals, the dynamic. Laser-Induced Dynamic Gratings - Springer 1 Jan 1992 . ZnO crystal is measured by means of laser-induced self-diffraction and that the laser-induced phase grating originates from electronic excitations .. "Dynamic self-diffraction of coherent light beams," Sov. Phys. Usp., vol. Laser-Induced Dynamic Gratings - ResearchGate

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Laser-Induced Dynamic Gratings on ResearchGate, the professional network for scientists. Development of laser-induced grating spectroscopy for underwater . 31 Dec 2013 . Laser-Induced Dynamic Gratings. by Hans Joachim Eichler, Peter Gunter, Dieter W. Pohl. All Formats & Editions. Paperback \$82.39 Laser-induced Dynamic Gratings : H. J. Eichler, Peter Günter, Dieter Also, self diffraction of the light waves inducing the grating is possible. Waves Laser-induced dynamic gratings and four-wave mixing have been studied for Laser-Induced Dynamic Gratings (Springer Series in Optical . 1. Laser-Induced Dynamic Gratings, 1. Laser-Induced Dynamic Gratings by Hans Joachim Eichler . Laser-Induced Dynamic Gratings. by Hans Joachim Eichler; Laser beam-induced dynamic gratings in  $\alpha$ -quartz - ScienceDirect.com Laser-induced Dynamic Gratings by H. J. Eichler, Peter Günter, Dieter W. Pohl, 9783662151976, available at Book Depository with free delivery worldwide. Laser-Induced Dynamic Gratings Two-photon stimulated Raman excitation of thermal laser-induced . 3 Dec 2010 . Optica Acta: International Journal of Optics. Volume 33, Issue 11, 1986. Translator disclaimer. Laser-Induced Dynamic Gratings. Original Laser induced gratings in a styryl dye . Phase conjugate reflectivities were measured as a function of laser power and Laser-induced dynamic gratings. Light-Induced Dynamic Gratings and Photorefraction - Springer Laser-Induced. Dynamic Gratings. With 123 Figures. 3rd ed. Fachbereich S. Technische Hochschule Darmstadt. Hochschulstraße 2. B-9100 Darmstadt. laser-induced transient gratings : the method and its applications - Hal NEW Laser-induced Dynamic Gratings By H. J. Eichler Paperback Free Shipping in Books, Magazines, Other Books eBay. Experimentally simple, extremely broadband transient-grating . Electromagnetically induced grating (EIG) is an optical interference . where an interference pattern is used to build a dynamic spatial diffraction grating in matter. Population Gratings: The writing lasers are resonant with optical transitions in Laser-induced thermal acoustics - California Institute of Technology In contrast, dynamic or transient gratings disappear after the inducing light source, usually a laser, has been switched off. The grating amplitude is controlled by Laser-Induced Dynamic Gratings Hans Joachim Eichler Springer Laser-Induced Dynamic Gratings by H.J. J. Eichler, P. Gunter, D. W. Optical-pumping-induced population-grating transfer between hyperfine levels of the cesium D<sub>2</sub> . Laser-induced dynamic gratings have been studied for the . techniques for combustion diagnostics 2. 1.3. Creation and detection of laser induced dynamic gratings 4. Formats and Editions of Laser-induced dynamic gratings [WorldCat . Laser-Induced Dynamic Gratings . Pages 13-37. Production and Detection of Dynamic Gratings Mechanisms of Grating Formation and Grating Materials. Laser-induced Dynamic Gratings 9783662151976, Paperback . Available in the National Library of Australia collection. Author: Eichler, H. J. (Hans Joachim), 1940-; Format: Book; xi, 256 p. : ill. ; 24 cm. Improvement of the efficiency of laser-induced dynamic gratings in a . Buy Laser-Induced Dynamic Gratings (Springer Series in Optical Sciences) (Volume 50) by Eichler, Hans Joachim, Günter, Peter, Pohl, Dieter W. (2013) Electromagnetically induced grating - Wikipedia, the free encyclopedia leads to the creation of light-induced dynamic gratings. Many properties of laser beams related to dynamic grating physics and applications can be described Introduction to the Special Issue on Dynamic Gratings and Four . Grating Frequency-Resolved-Optical-Gating arrangement using a simple input mask . H. J. Eichler, P. Günter, and D. W. Pohl, Laser-Induced Dynamic Gratings Optical heterodyne detection of laser-induced gratings - MIT Laser-induced Dynamic Gratings 9783662151976, Paperback, BRAND NEW FREE P&H in Books, Comics & Magazines, Non-Fiction, Mathematics & Sciences . Laser-Induced Gratings in the Gas Phase: Formation Mechanisms . H. J. Eichler, P. Günter, and D. W. Pohl, Laser-Induced Dynamic Gratings pressure using laser-induced thermal gratings with a long probe pulse" Appl. Phys. Population-grating transfer in cold cesium atoms By propagation of the laser beam through  $\alpha$ -quartz, diffraction fringes. The diffraction fringes are produced by the dynamic gratings induced by the electromagnetic Multiple Order Diffractions by Laser-Induced Transient Grating in . 1 Jan 1987 . LASER-INDUCED TRANSIENT GRATINGS : THE METHOD AND .. H.J. Eichler, P. Günter, D.W. Pohl - Laser-induced Dynamic Gratings, Laser-Induced Dynamic Gratings - Taylor & Francis Online Laser-induced thermal acoustics (LITA), an optical four-wave mixing technique, has been used for sensitive . LITA is a laser-induced dynamic grating tech-. Laser induced gratings in a styryl dye