

Ultrashort Light Pulses: Picosecond Techniques And Applications (Topics In Applied Physics)

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Coherent ultrashort light pulse code-division

Coherent ultrashort light pulse code-division multiple access communication systems picosecond pulses; pseudonoise bursts; Optical pulses; Optical receivers;

Ultrashort light pulses

Ultrashort Light Pulses Picosecond Techniques and Applications Edited by S. L. Shapiro With Contributions by D.H.Auston D.J. Bradley

Measurements of ultrashort light pulses with a

Measurements of Ultrashort Light Pulses with a Multichannel Two-Photon Photoconductivity Detector Chi H. Lee and P.S. Mak Department of Electrical Engineering

Patent us20040226925 - laser system and method for

The following exemplary publications are related to micro-machining with ultrashort laser pulses: Picosecond, and Pulses, APPLIED PHYSICS

Ultrashort pulse - wikipedia, the free

In optics, an ultrashort pulse of light is an electromagnetic pulse whose time duration is of the order of a picosecond (10⁻¹² second) or less. Such pulses have a

Solid state lasers for application to inertial

Recent laser physics Laser-induced damage in multilayer dielectric gratings due to ultrashort laser pulses Flexible pulse shaping of partially coherent light

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Quantum and molecular photonic laboratory team

In this theme we study the optical generation of heat and its transfer at both nanometer scale and ultrashort light pulses a multiphotonic Applied Physics

University of michigan - 2009

Mars, Jupiter, Saturn; Space plasmas, solar and heliospheric physics, techniques. Applications of our light pulses. They use these ultrashort

Femtosecond optical pulse generation from

Femtosecond optical pulse generation from semiconductor traveling-wave amplifiers: techniques and applications. Recent Advances in the Uses of Light in Physics

Comparative measurements of the duration of

Comparative measurements of the duration of picosecond light pulses by direct and autocorrelation techniques A single ultrashort pulse was selected from a pulse train

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plasma physics. ultrashort-pulse light in capillary waveguides. which is of great interest for lidar techniques, applications in fiber optics,

Optical rogue waves - wikipedia, the free

Optical rogue waves are rare pulses of light analogous to by ultrashort pump pulses generation in the picosecond regime". Applied Physics B

Laser-induced population transfer by adiabatic

The population transfer techniques described in this pump and Stokes pulses are applied such ultrashort pulses allows spatial dispersion

Ultrashort light pulses: picosecond techniques

Ultrashort Light Pulses: Picosecond Techniques and Applications by S. L. Shapiro, D. H. Auston, D. J. Bradley, A.J. Campillo, K.B. Eisenthal, E. P. Ippen, D. von der

The future of ultrashort laser pulses - technology

The future of ultrashort laser pulses. Techniques for the generation of pulses of OPAs convert the energy contained in the picosecond pulses into light

Ultrafast laser spectroscopy - wikipedia, the free

Ultrafast laser spectroscopy is a spectroscopic technique that uses ultrashort pulse lasers for the study of dynamics on extremely short time scales (attoseconds to

Ultrasonic characterization of the mechanical

and Photoacoustic bulk-wave pump-probe techniques. Applications to by picosecond light-pulses characterization of the mechanical properties

Chapter 6 - ultrafast high power and stabilized

electrically efficient sources of ultrashort, high repetition rate laser pulses are Physics, Techniques, and Applications pulses of few picosecond

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Picosecond phenomena ii: proceedings of the

Picosecond Phenomena II: Proceedings of the Second International Conference on Picosecond Phenomena Cape Cod, Massachusetts, USA, June 18-20, 1980 by R. Hochstrasser.

Spectroscopy of systems with spatially confined

Advances in this area have already led to applications in It reports progress in the theory and in experimental techniques, Nano Optics For Enhancing Light

Sub-picosecond optical pulses

The generation of ultrashort light pulses in mode locked ng ultrashort pulse techniques, ted with picosecond light pulses and the rapid relaxation and

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after the discovery that powerful ultrashort (picosecond) light pulses Topics in Applied Physics Light Pulses Picosecond Techniques and Applications.

Efficient generation of tunable infrared

Efficient generation of tunable infrared ultrashort light pulses by nonlinear frequency , Ultrashort Light Pulses: Picosecond Techniques and Applications

Optics (physics.optics)

Jul 24, 2015 the context of plasma physics and in applications related to train of picosecond optical pulses. be applied to incoherent light,

Osa | wavefront-division lateral shearing

Wavefront-division lateral shearing autocorrelator Techniques, & Applications A. L. Gaeta, "Using GaAsP photodiodes to characterize ultrashort pulses

Broadly, independent-tunable, dual-wavelength

M. Hu, and Q. Wang, Spectral characteristics of femtosecond pulses propagation in from basic physics to futuristic applications Ultrashort Laser Pulse

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