

Laser beam diagnostics - proceedings, 21-22 January, 1991, Los Angeles, California

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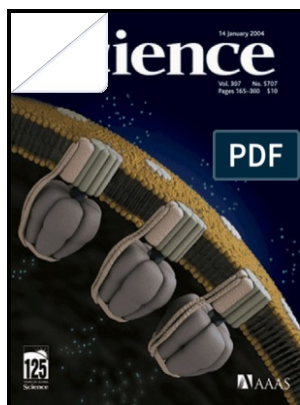
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Propagation of high

Access restricted to SPIE Digital Library subscribers. Has wear to the cover and pages. Eyesafe laser components and eyesafe laser systems and applications are considered.

Propagation of high

Bellingham, Wash : SPIE MLA Citation Hindy, Robert N. Attention is given to a mid-IR laser beam wavefront analyzer, diagnostics for a developmental iodine laser, a CW DF laser beam diagnostic system, NBS laser power and energy measurements, the standardization of the measurement of spatial characteristics of optical beams, the characterization of UV laser beams using fluorescence, and the calibration of beam-power monitors for laser welding.

Laser beam diagnostics

Abstract Consideration is given to turbulence at the inner scale, modeling turbulent transport in laser beam propagation, variable wind direction effects on thermal blooming correction, realistic wind effects on turbulence and thermal blooming compensation, wide bandwidth spectral measurements of atmospheric tilt turbulence, remote alignment of adaptive optical systems with far-field optimization, focusing infrared laser beams on targets in space without using adaptive optics, and a simplex optimization method for adaptive optics system alignment. Laser Beam Diagnostics: 21-22 January 1991 Los Angeles, California Proceedings of Spie by Robert N Hindy ISBN 13: 9780819405043 ISBN 10: 0819405043 Unknown; Society Of Photo Optical; No Results Found We're sorry. ISBN 0819405043 Series Proceedings of SPIE--the International Society for Optical Engineering ; v.

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Laser beam diagnostics

Particular attention is given to generation of ultrasoft ultraviolet optical pulses using sum-frequency in LBO crystals, nonlinear optical susceptibility of CuCl quantum dot glass, beam-coupling by stimulated Brillouin scattering, optimum design of an optical array used as a pseudoconjugator, imaging through a low-light-level Raman amplifier, high-order nonlinear susceptibilities, generalized Raman gain in nonparabolic semiconductors under strong magnetic field, measurements of second hyperpolarizabilities of diphenylpolyenes by means of phase-conjugate interferometry, and gate capacitance of MOS field effect devices of nonlinear optical materials in the presence of a parallel magnetic field.

Laser beam diagnostics : 21

Particular attention is given to simple beam-propagation measurements on ion lasers; beam characterization and measurement of propagation attributes; direct laser beam diagnostics; high-energy laser wavefront sensors; in situ measurement of piston jitter in a ring resonator; a measuring device for space-temporal characteristic of technological laser radiation; high-fidelity diagnostic beam sampling of a tunable high-energy laser; development of third-harmonic output beam diagnostics on NOVA; precision high-power solid-state laser diagnostics for target-irradiation studies and target-plane irradiation modeling; and a laser-target diagnostics instrumentation system. Please click the link in that email to activate your subscription. Progress in the basic fabrication technologies and performance of laser diodes is reviewed.

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