

**Authors Index**  
**of Optica Applicata X**

J. BADZIAK, Time and space compression functions in two-dimensional description of the laser pulse propagation in nonlinear medium	2 119
J. BADZIAK, The effect of nonlinear losses on the energy extraction from the amplifying medium	4 327
J. BADZIAK, J. TYYL, Effect of two-photon absorption on the picosecond pulse generation in a model-locking laser	3 267
R. D. BAHUGUNA, K. K. GUPTA, K. SINGH, On the physical interpretation of results in coherent imaging of diffuse objects	4 321
B. BEBA, M. ELBANOWSKI, J. WOJTCZAK, A method of measuring the delay time of the analyzing flash in flash photolysis apparatus	2 115
A. BYSZEWSKI, M. A. DRZEWIECKA, M. SZUSTAKOWSKI, An application of the methods of coherent optics to investigations of acoustical field	1 63
W. CIURAPIŃSKI, K. GOŁDZIK, M. SZUSTAKOWSKI, B. ŚWIETLICKI, Wave-guiding properties of thin film light guide made of LiNbO <sub>3</sub> -single crystal	2 107
Yu. N. DENISYUK, Imaging properties of intensity travelling waves and possible fields of their application	4 465
B. DUBIK, Evaluation of wave aberrations of long-focal-length objectives by the method of shearing interferometry. Part. I. The direct and inverse problem of shearing interferometry	3 227
A. DUBIK, K. JACH, J. OWSIK, Evaluation of laser beam concentration taking account of diffraction effects	3 219
M. GAJ, A. KIJEK, Aberrations of third and fifth orders of holograms made on rotational surfaces of second degree	4 341
P. GŁOWCZEWSKI, J. GROCHOWSKI, J. KRASIŃSKI, A. SIERADZAN, N <sub>2</sub> laser tube transversal gas recirculation	2 145
A. K. GUPTA, S. SINGH, Effect of a quadratic phase factor on the partially coherent far-field diffraction in the presence of primary astigmatism	4 381
E. IDCZAK, K. ŻUCHOWSKA, An explanation of the untypical dependence of the refractive index upon the thickness of very thin ytterbium oxide layers on chromium	1 83 3 237
E. JAGOSZEWSKI, Generalized treatment of Fourier transforming by lenses	3 237
E. JAGOSZEWSKI, T. PAWLUK, Diffraction analysis of the particle size distribution	4 399
C. JANUSZ, A. NIKLAS, The effect of imperfections on thermoluminescence and lasing or ruby crystals	4 471
A. KALESTYŃSKI, Extension of finite periodic object image by a partial elimination of information	4 479
H. KASPRZAK, On the possibility of optical performing of non-integer order derivative	3 289
P. KIEDROŃ, Conditions sufficient for a one-dimensional unique recovery of the phase under assumption that the image intensity distributions: $ f(x) ^2$ and $ df(x)/dx ^2$ are known	2 149
P. KIEDROŃ, Phase recovery from intensity distributions generated by differential operators in one-dimensional coherent imaging	3 253

P. KIEDROŃ, On a possibility of the phase recovery from intnesity distributions gnerated by differential operators in two-dimensional coherent imaging	4 483
Z. KONEFAL, J. SZCZEPĀŃSKI, Flashlamp excited tuned dye laser	4 493
H. KŘEPELKOVÁ, The application of holographic interferometry to the analysis of composite materials structure	2 91
J. KRŠEK, Interference measurements of prism optics for laser interferometer	1 41
J. KRUSZEWSKI, T. MACIAK, C. ZAJĄC, A measuring setup for examination of planar optical waveguide properties	2 155
J. KRUSZEWSKI, C. ZAJĄC, Planar dielectric light-waveguide produced by the method of ion exchange	2 161
M. ŁUKASZEWCZ, K. JANSEN, A simple N <sub>2</sub> laser for dye laser pumping	2 169
J. MALINOWSKI, J. MOCHNIAK, C. MICHALSKI, Blue luminescence of 2nS-Sn luminophores	3 211
K. MARCZUK, The distribution of the polarization degree of the luminescence in rectangular blocks of galss	1 79
W. MISCHKE, Spectrometer for investigation of Mandel'shtam-Brillouin light scattering	4 373
J. MISIEWICZ, J. WRÓBEL, B. SUJAK-CYRUL, Reflectivity of Zn <sub>3</sub> As <sub>2</sub> and Zn <sub>3</sub> P <sub>2</sub> in 0.24—1.2 μm waverange	1 75
E. MRÓZ, R. PAWLUCZYK, An improvement of the holographic imaging quality by the method of noncoherent superposition of images	3 205
G. MULAK, Higher order aberrations in holograms	4 421
MUNAIM A. MASHKOUR, Directional selective cover for solar energy concentrators	4 311
W. NAKWASKI, An application of Kirchhoff transformation to solving the nonlinear thermal conduction equation for a laser diode	3 281
I. P. NALIMOV, J. N. OVIECHKIS, I. U. FEDCHUK, A. H. SHAKIROV, V. M. ANTONOV, L. P. ZARUTSKIY, Printing and projection of strophoholograms (in Russian)	1 13
J. NOWAK, Third-order aberrations of holograms	3 245
R. NOWAK, I. WILK, Numerical reconstruction of intensity distribution in the incoherent imaging. I. Diffraction-limited systems	4 351
J. OSIŃSKI, The third order aberrations of a narrow oblique beam focussed by a conflection lens	3 199
K. PATORSKI, A. BOKUS, Studies of the single sideband Fresnel diffraction patterns of periodic objects	1 29
I. PŘIKRIL, Evaluation of rigid body displacement by differential holographic interferometry	1 3
A. PULKA, The aberration coefficients of Fourier holograms	4 451
Cz. RADZIEWICZ, P. GŁÓWCZEWSKI, A. SIERDZIAN, Simple pulsed dye laser with 2 GHz linewidth	3 195
A. ROGALSKI, J. RUKOWSKI, Temperature dependence of the $R_0 A$ product for photovoltaic PbTe detectors	4 435
R. N. SINGH, S. S. MATHUR, T. C. KANDPAL, Design stage ray-optical assessments of a composite parabolic trough	3 189
R. N. SINGH, A. K. SINGHAL, An application of white light multi-exposure speckle photography	3 285
T. STEFANIAK, Use of zirconium dioxide in multilayer dielectric coatings for the ultraviolet and visible spectrum	4 445
K. TRUSZKOWSKA, Analysis of the reflection-transmission method for determining the optical constants on thin films	2 139

W. URBAŃCZYK, I. WILK, On estimation of speckling pattern rotation caused by rotating object for small angles of rotation	4 487
L. WENDLER, M. NISCHE, Einige Effekte der partiell kohärenten Abbildung	4 411
J. WOŹNICKI, Evanescent wave structure for total reflection of Gaussian beam at a plane interface	3 179
J. ŹYLIŃSKI, R. IMOS, J. M. PAWLICKOWSKI, Photo-effect on metal- $Cd_xHg_{1-x}Te(x = 0.175 \text{ and } x = 1)$ contacts	1 51