CHRONICLE

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The following papers will be published in the February issue of *Opticheskii Zhurnal* (Journal of Optical Technology), Vol. 78, No. 2, 2011.

Laser Physics and Technology. Electrophysical Phenomena in Femtosecond Action on Semiconductors (R.V. Dyukin, G.A. Martsinovskii, G.D. Shandybina, and E.B. Yakovlev); Laser Ranging, Space Communication, and Search for Signals from Extraterrestrial Civilizations at a Wavelength of 1.315 μm of Iodine Photodissociation Lasers (Yu.F. Kutaev, S.K. Mankevich, O.Yu. Nosach, and E.P. Orlov); Frequency Doubling and Mixing of Carbon Monoxide Laser Radiation in ZnGeP_2 and GaSe Nonlinear Crystals (Yu.M. Andreev, V.V. Zuev, A.A. Ionin, I.O. Kinyaevskii, Yu.M. Klimachev, A.Yu. Kozlov, A.A. Kotkov, G.V. Lanskii, and A.V. Shaiduko).

Computation, Design, and Manufacture of Optical Systems. Illumination Light-Emitting Diode System Based on Modules Forming Uniform Illuminance of Hexagonal Area (L.L. Doskolovich, M.A. Moiseev, and O.I. Petrova).

Holography. Fabrication of Holographic Mirrors Based on Dichromated Gelatin Layer for Night Vision System (N.I. Gusarova, D.S. Lushnikov, V.V. Markin, S.B. Odinokov, and V.V. Pozdnyakov).

Iconic: The Science of Images. Optical Schemes for Shape Measuring of Three-Dimensional Objects by

Fringe Projection Method (G.N. Vishnyakov and K.E. Loshchilov).

Optical Instrumentation and Technology. System for Luminescence Analysis of Macro- and Microsamples in the Near-IR Spectral Range (P.S. Parfenov, A.V. Baranov, A.V. Veniaminov, and A.O. Orlova); Subpicosecond Photodetectors: a Review, Part 1 (I.Yu. Denisyuk, E.B. Shekhanova, and N.O. Sobeshchuk); Measuring the Angle of Rotation of Polarization Plane by Differential Polarimetry with Rotating Analyzer (G.N. Vishnyakov, G.G. Levin, and A.G. Lomakin); Poisson's Stellar Sky Model and the Star Detection by an Optoelectronic Device (V.I. Fedoseev); Effect of Parameters of Chromatic Dispersion Compensation Scheme on Operation of Fiber Optic Transmission Line (V.A. Burdin, M.V. Dashkov, and K.A. Volkov); Gamma Correction of Video Signal of TV Pyrometer (A.V. Kuznetsov).

Optical Materials Science and Technology. Formation of Al_2O_3 ($\text{Al}_2\text{O}_3\text{--AlF}_3$)-Based Protective Nanosized Coatings on Glass Surface (K.V. Dukel'skii and S.K. Evstrop'ev); Influence of Fabrication Technology Conditions on Properties of Protective Nanofilms (A.B. Atkarskaya, P.V. Chartii, and V.G. Shemanin).

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