CHRONICLE

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The following papers will be published in the October issue of *Opticheskiĭ Zhurnal* (Journal of Optical Technology), vol. 77, no. 10, 2010.

Physical Optics. Effect of Forward Scattering Indicatix on Light Beam Characteristics in Sea Water (Yu.I. Kopilevich, M.E. Kononenko, and E.I. Zadorozhnaya); Simulation of Propagation of Optical Radiation in Biological Media with Closed Internal Inhomogeneities by Monte Carlo Method (M.S. Pavlov, I.V. Krasnikov, and A.Yu. Seteikin); Specific Features of 2D Photon Crystal Filled with Resonance Gas (S.Ya. Vetrov, N.V. Rudakova, and I.V. Timofeev); Level Crossing Resonance in Field of Counterpropagating Elliptically Polarized Light Waves (D.V. Brazhnikov, A.V. Taichenachev, A.M. Tumaikin, V.I. Yudin, I.I. Ryabtsev, and V.M. Entin).

Laser Physics and Technology. Nano- and Subnanosecond Laser Pulses with the Time Shape Controlled by Variation in the Spectral Composition of Radiation (S.G. Garanin, B.G. Zimalin, V.V. Romanov, N.N. Rukavishnikov, S.V. Sokolovskii, and S.A. Sukharev); On Theory of Terahertz Radiation Generation in an Optical Air Breakdown by Femtosecond Laser Pulses Containing the Second Harmonic (D.A. Fadeev and V.A. Mironov); Resonance Laser Spectroscopy of Ion Pairs in a $\text{Nd}^{3+}:\text{LaF}_3$ Crystal (R.A. Akhmedzhanov, A.A. Bondartsev, L.A. Gushchin, and V.V. Chernov).

Computation, Design, and Manufacture of Optical Systems. Interferometric Testing of Large-Size Optical Systems for the UV Spectral Range (A.B. Bel'skiĭ, M.A. Gan, K.G. Kushnarev, and S.A. Larionov); Unequal-Arm Twyman–Green Interferometer for Testing Surface Shape and Quality of Optical Components at Stage of Grinding (M.A. Abdulkadyrov, N.V. Baryshnikov, D.G. Denisov, I.V. Zhivotovskii, V.E. Karasik, A.P. Semenov, and Yu.A. Sharov).

Optical Instrumentation and Technology. Design of Optical Systems of Adaptive Angle Meters (M.P. Kolosov); Nondetunable Optical Systems of Angle Meters with a Fixed Line of Sight (A.Ya. Gebgart and M.P. Kolosov); A Piezoceramic Light Deflector (A.M. Leonov).

Optical Materials Science and Technology. Electrooptic Polymer Composite Based on Disperse Red and Its Derivatives (Yu.E. Burunkova, I.Yu. Denisyuk, N.N. Aref'eva, A.P. Litvin, and O.A. Minozhenko); Dimensional Characteristics of Polymer Microstructures during UV Curing of Nanocomposite (N.D. Vorzobova, V.G. Bulgakova, and Yu.E. Burunkova); Narrow-Band Wide-Angle Tunable Multistage Optical Filters (E.S. Kulagin).

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