CHRONICLE

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The following papers will be published in the June issue of *Opticheskii Zhurnal* (Journal of Optical Technology), Vol. 78, No. 6, 2011.

Physical Optics. Search for an Initial Approximation for Solution of Inverse Problems in Ellipsometry and Spectrophotometry (B.M. Ayupov, I.A. Zarubin, V.A. Labusov, V.S. Sulyaeva, and V.R. Shayapov); Specific Features of Stark Echo Formation at Various Gradients of External Inhomogeneous Electric Fields (L.A. Nefed'ev, G.I. Garnaeva, and E.I. Khakimzyanova).

Laser Physics and Technology. Specific Features of a Laser Aluminum Plume Formation in the Presence of a Background Gas (A.K. Shuaibov, L.V. Mesarosh, and M.P. Chuchman).

Computation, Design, and Manufacturing of Optical Systems. Single-Element Three-Band Spectral Splitter (V.E. Sabinin, S.V. Solk, and O.A. Lebedev).

Optical Instrumentation and Technology. Analysis and Optimization of Parameters of Interference Fiber Optic Microphone (A.A. Vetrov, S.S. Komissarov, A.N. Sergushichev, M.V. Turkin, and A.A. Shirshov); Passive Optical Film Shutters for Protecting Image Detectors from Dazzling (V.V. Chesnokov, D.V. Chesnokov, and V.B. Shlishevskii); Study of the Angular

Errors in Circular Optical Scales Made Using CLWS-300 Laser Pattern Generator (D.Yu. Kruchinin and O.B. Yakovlev); Quarter-Wave Plate in Fourier Transform Spectrometer (B.E. Moshkin, S.V. Maksimenko, and A.V. Shakun); An Optical Method for Inspecting Angular Distribution of Fibers in Flat Fiber-Containing Materials (P.G. Slyakhtenko, Yu.N. Vetrova, A.E. Rudin, and Ya.I. Zolotova).

Optical Materials Science and Technology. Laser Ceramics Part 2: Spectroscopic and Laser Properties (S.G. Garanin, A.V. Dmitryuk, A.A. Zhilin, M.D. Mikhailov, and N.N. Rukavishnikov); Effect of Initial Tilt Angle of Dual-Frequency Liquid Crystal Director on Electrooptic Characteristics of LC Cells (I.F. Galin and E.A. Konshina); Study of Photoluminophors for White Light-Emitting Diodes (M.N. Tsvetkova, B.V. Chernovets, G.V. Itkinson, V.G. Korsakov, and M.M. Sychev); Study of Luminescence of Neodymium-Doped Yttrium Aluminates (V.V. Osipov, V.I. Solomonov, and A.V. Spirina); Study of Materials for Protecting Exit Mirrors of Semiconductor Lasers Based on AlGaAs/GaAs Heterostructures (A.A. Kozyrev and G.T. Mikaelyan).

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