CHRONICLE

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The following papers on the topic *Shaping of Aspheric Surfaces* will be published in the April special issue of *Opticheskii Zhurnal* (Journal of Optical Technology), Vol. 78, No. 4, 2011.

Preface: Automated Technological Facility for Shaping High-Precision Optical Surfaces (V.A. Gorshkov and A.V. Podobryanskii).

Surface Shaping Technology. Automated Shaping of the Off-Axis Aspheric Surfaces on a Series of Automated Polishing-Lapping CNC Machines (V.A. Gorshkov, A.S. Nevrov, A.V. Podobryanskii, and A.S. Savel'ev); Automated 5-Coordinate CNC Machines for Shaping High-Aperture Surfaces of Large-Size Mirrors (Yu.B. Lyamin); A Diamond Tool for Machining of Optical Materials (V.M. Al'tshuler, S.A. Gerasimov, and M.V. Grimalyuk); The Use of Magnetorheological Methods for Machining of Optical Components on a Series of Automated Polishing-Lapping CNC Machines (L.K. Gleb, G.R. Gorodkin, V.A. Gorshkov, F.P. Khlebnikov, and E.V. Semenov); Technological Control Program for a Series of Automated Optical Polishing-Lapping CNC Machines (S.I. Nefedov, A.E. Novinskii, and Yu.N. Solov'ev).

Surface Testing. Technological Interferogram Processing Software *INTPROC* for Automated Shaping of Optical Surfaces (V.A. Gorshkov, A.G. Lomakin, A.S. Nevrov, and D.A. Novikov); Specific Features of the Interference Testing of the Off-Axis Aspheric Surfaces Using Null Correctors (V.A. Gorshkov, V.A. Kutvitskii, and A.S. Savel'ev); Interferometric Shape Testing of Concave Highly Aspheric Steep Parabolic and Elliptic Surfaces (V.P. Ivanov, V.A. Baloev, N.P. Larionov, and A.V. Lukin); Testing of Small-Size Aspheric Optics Using Synthesized Holograms (N.P. Larionov, A.V. Lukin, and A.A. Nyushkin); Computerized Multispectral Test Bench Based on an Off-Axis Mirror Collimator for Quality Control of Optical Systems (F.P. Khlebnikov, V.A. Churilin, and G.S. Shcherbakova); Technical and Economic Aspects of the Aspherization of Optical Elements in Optical Systems (A.B. Bel'skii and V.V. Shmyga).

Letters to the Editor. Shielding-Free Three-Mirror Lens with Binary Aspherics (A.P. Grammatin and A.A. Kharchenko).

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