

Contents

Volume 239, 2002

Sergei Sergeevich Ryshkov (On His 70th Birthday)	1
On the Density of a Lattice Covering for $n = 11$ and $n = 14$ <i>M. M. Anzin</i>	13
A Relative Ryshkov Perfect Polyhedron As a Generatrix of a W -Tiling <i>R. G. Barykinskii</i>	45
Borsuk's Conjecture, Ryshkov Obstruction, Interpolation, Chebyshev Approximation, Transversal Tverberg's Theorem, and Problems <i>S. A. Bogatyĭ</i>	55
Equivariant Maps and Some Problems of the Geometry of Convex Sets <i>A. Yu. Volovikov</i>	74
Sails and Hilbert Bases <i>O. N. German</i>	88
Error of Asymptotic Formulae for Volume Approximation of Convex Bodies in $\mathbb{E}^3$ <i>P. M. Gruber</i>	96
Inflation Species of Planar Tilings Which Are Not of Locally Finite Complexity <i>L. Danzer</i>	108
Extremal and Nonextendible Polycycles <i>M. Deza and M. I. Shtogrin</i>	117
Extension Theorem in the Theory of Isohedral Tilings and Its Applications <i>N. P. Dolbilin and V. S. Makarov</i>	136
An Infinite Series of Perfect Quadratic Forms and Big Delaunay Simplices in $\mathbb{Z}^n$ <i>R. Erdahl, K. Rybnikov</i>	159
On Some Lattices Connected with a Finite Group <i>A. V. Zarelua</i>	168
Quadratic and Rigidity Mappings <i>M. D. Kovalev</i>	184
The Argument of the Riemann Zeta Function on the Critical Line <i>M. A. Korolev</i>	202
On Some Series of Regular Tilings of the Lobachevskii Space <i>P. V. Makarov</i>	225
Transfinite Lower Central Series of Groups: Parafree Properties and Topological Applications <i>R. V. Mikhailov</i>	236
To the Blichfeldt–Mullender–Spohn Theorem on Simultaneous Approximation <i>N. G. Moshchevitin</i>	253
Generalized Barycentric Subdivision of a Triangle <i>A. A. Ordine</i>	260
The Graph of a Geometric Class of Space Groups <i>W. Plesken and O. Heidbüchel</i>	268

Sheaf Cohomology and Dimension of Ordered Sets	
<i>E. E. Skurikhin</i>	273
On the Thickness of $\langle p, q \rangle$ Point Systems	
<i>J. Horváth</i>	301
On the Geometry of Multiprocessor Distributions	
<i>E. V. Shchepin</i>	306
The Number of Lattice Points in a Spherical Layer	
<i>V. A. Yudin</i>	315
