

Contents

Volume 289, 2015

Vladimir Andreevich Steklov (1863–1926) <i>V. V. Kozlov, V. P. Pavlov, and A. G. Sergeev</i>	1
Vladimir Steklov: A Mathematician at the Turn of the Era <i>S. S. Demidov</i>	10
Academician V.A. Steklov: Personality Formation (Life in Nizhny Novgorod) <i>T. P. Vinogradova</i>	23
New Estimates of Odd Exponents of Infinite Burnside Groups <i>S. I. Adian</i>	33
V.A. Steklov’s Problem of Estimating the Growth of Orthogonal Polynomials <i>A. I. Aptekarev, S. A. Denisov, and D. N. Tulyakov</i>	72
Embedding of a Weighted Sobolev Space and Properties of the Domain <i>O. V. Besov</i>	96
Truncations of Simple Polytopes and Applications <i>V. M. Buchstaber and N. Yu. Erokhovets</i>	104
V.A. Steklov’s Work on Equations of Mathematical Physics and Development of His Results in This Field <i>A. K. Gushchin</i>	134
Envelope Solitary Waves and Dark Solitons at a Water–Ice Interface <i>A. T. Il’ichev</i>	152
Shock Waves in Elastoplastic Media with the Structure Defined by the Stress Relaxation Process <i>A. G. Kulikovskii and A. P. Chugainova</i>	167
Perturbation Theory for the Stress Tensor in the Moon’s Body with Tidal Effects Taken into Account <i>V. P. Pavlov</i>	183
On Elementary Theories of Ordinal Notation Systems Based on Reflection Principles <i>F. N. Pakhomov</i>	194
Existence of Traps in the Problem of Maximizing Quantum Observable Averages for a Qubit at Short Times <i>A. N. Pechen and N. B. Il’in</i>	213
Finite Subgroups of Diffeomorphism Groups <i>Vladimir L. Popov</i>	221
Adiabatic Limit in the Ginzburg–Landau and Seiberg–Witten Equations <i>A. G. Sergeev</i>	227

Quantization of Non-Abelian Gauge Fields	
<i>A. A. Slavnov</i>	286
On a Conjugacy Problem in Billiard Dynamics	
<i>D. V. Treschev</i>	291
On Sums of Szemerédi–Trotter Sets	
<i>I. D. Shkredov</i>	300
