

## Contents

Filter banks and frames in the discrete periodic case V. A. ZHELUDEV, V. N. MALOZEMOV, and A. B. PEVNYI	1
Newton polyhedra, asymptotics of volumes, and asymptotics of exponential integrals A. I. KAROL'	13
Approximation methods for unstable manifolds of equilibrium points of autonomous systems S. G. KRYZHEVICH and A. YU. SKOLYAROV	31
The Steklov problem in symmetric domains with infinitely extended boundary N. G. KUZNETSOV and O. V. MOTYGIN	45
On the spectrum of the Steklov problem in peak-shaped domains S. A. NAZAROV	79
Generalisations of the Cwikel estimate for integral operators V. A. SLOUSHCH	133
Asymptotic behavior of probabilities of moderate deviations A. N. FROLOV	157
On the history of the study of convex polyhedra with regular faces and faces composed of regular ones A. M. GURIN and V. A. ZALGALLER	169