

CONTENTS

A. P. Yefremov

Pregeometric structure of associative algebras and quaternion spaces
as mathematical medium of physical laws 5

R. V. Korolev, S. V. Sushkov

Exact regular solutions in the gravity theory with a non-minimal kinetic constraint 20

V. V. Voytik

On the equations of the inverse kinematics problem 28

A. M. Baranov, Eu. V. Saveljev

Exact solutions of the conformally flat Universe. I. The evolution of model
as the problem about a particle movement in a force field 37

Yu. G. Ignat'ev

Nonminimal macroscopic models of a scalar field based on microscopic dynamics. I. 47

I. S. Nurgaliev

Physics is above all (Jakov Borisovich Zeldovich as a teacher –
thoughts at 100th anniversary of his birth) 70