

# PHYSICS OF WAVE PHENOMENA

Volume 14, Number 2, 2006

## CONTENTS

### NONLINEAR OPTICAL SPECTROSCOPY

Low-Frequency Four-Photon Spectroscopy of Tetrachloroethane and Tetrabromoethane Molecule Rotations  
in Liquid Phase

*A.F. Bunkin, S.I. Lebedenko, A.A. Nurmatov, and S.M. Pershin*..... 1

### DYNAMICS OF ATMOSPHERE

Wave Processes During Accelerated Motion of Body in Medium with Finite Velocity  
of Perturbation Propagation

*S.A. Bobkov, I.L. Semenov, and B.K. Tkachenko* ..... 6