

PHYSICS OF WAVE PHENOMENA

Volume 13, Number 4, 2005

CONTENTS

NONLINEAR OPTICAL SPECTROSCOPY

Laser Burning of Gap in Spectrum of Plasmon Resonance of Gold Nanoparticles <i>P.V. Kazakevich, A.V. Simakin, and G.A. Shafeev</i>	173
Four-Photon Laser Spectroscopy of Optical Glasses and Crystals in Range 0–150 GHz <i>A.F. Bunkin, S.M. Pershin, and A.A. Nurmatov</i>	180
Spectroscopy of Four-Photon Scattering in Aqueous Solution of α -Chymotrypsin Protein in Range from 0 to 100 cm^{-1} <i>A.F. Bunkin, S.I. Lebedenko, A.A. Nurmatov, and S.M. Pershin</i>	185
Two-Liquid Water <i>S.M. Pershin</i>	192

FLUID DYNAMICS

Edge-Wave Resonance in Shore Zone <i>I.V. Shugan, Kwi-Joo Lee, and An Jung Sun</i>	209
Simulation of Czochralski Crystal Growth: Improved Analysis of Thermal Boundary Problem <i>D.V. Kovalevsky</i>	215

REMOTE SENSING OF NATURAL MEDIA

Measurement of Speed of Sound in Air at Frequency of 11 kHz Using Open Resonator <i>V.A. Babintsev, E.A. Vinogradov, and K.F. Shipilov</i>	223
-----------------------------------------------------------------------------------------------------------------------------------------------------	-----