

PHYSICS OF VIBRATIONS

Volume 7, Number 4, 1999

CONTENTS

LASER-INDUCED SURFACE STRUCTURES

- Dynamics of TiO_2 Deposition from TiCl_3 Aqueous Solution Induced by a CW Laser Radiation
G.A. Shafeev..... 197

OPTICAL BREAKDOWN PHENOMENA

- New Approach to Laser Breakdown of Transparent Liquids
N.F. Bunkin, A.V. Lobeyev, and V.G. Mikhalevich..... 205

OPTICAL SPECTROSCOPY

- Direct Observation of the Configurational Energy Evolution and Anomalies near Some Temperature Points in Water
S.M. Pershin and A.F. Bunkin..... 217

UNDERWATER SOUND

- High-Frequency Forward-Scattering Sonar. Part 2. Signal Processing
V.V. Borodin and M.Yu. Galaktionov..... 221