

Editorial Board:

Zygmunt Bodnar — Chairman, Miron Gaj, Bedřich Havelka, Roman Ingarden, Bohdan Karczewski, Joachim Klebe, Jan Matysiak, Maksymilian Pluta, Zbigniew Pużewicz, Antoni Sojecki, Szecepan Szczeniowski, Bogusława Trzebiatowska

Editor in Chief — Miron Gaj

Secretary

Grażyna Mulak

Associate Editor — Ireneusz Wilk

Editorial Office

Instytut Fizyki Politechniki Wrocławskiej
Wrocław, Wybrzeże S. Wyspiańskiego 27
Poland

Publisher

Politechnika Wrocławska (Technical University) Wrocław, Wybrzeże S. Wyspiańskiego 27, Poland

In addition to larger original papers brief reports will be published of the authors' own research work. The reports should be set out according to the above guide lines.

The Editorial Board invites the readers to send over any remarks or observations referring to the publications which will appear in the Optica Applicata. The correspondence of essential importance will be published in a separate column dealing with letter to the Editor.

Review of Matter

Application of the diffraction theory, quantum optics, problems in radiation coherence, light sources, holography and its application, scientific photography, methods of image reconstruction, optical application of Fourier transforms, theory of optical systems, criteria of optical image evaluation optical materials, technology of manufacturing optical elements, aspheric optics, optical properties of solids and thin films, lasers and their application, photo- and radiometry, problems in spectroscopy, non-linear optics, optical data processing, optical measurements, fibre optics, optical instrumentation, interferometry, microscopy, non-visible optics, automation of optical computing, optoelectronics, colorimetry, optical detectors, ellipsometry and photoelasticity.

Contents

Analysis of Vibrations by the Method of Holographic Interferometry — Z. KRASKA, M. J. MATCZAK	3
Phase of the Optical Transfer Function for Defocusing and Asymmetrical Apodization in Incoherent Light — R. JÓZWICKI	9
A Laser Device for Displacement Measurement — Z. PUŻEWICZ, T. MACHOWSKI, L. BOROWICZ, Cz. SKIBA	21
Optical Constants of Non-Transparent Chrome Layers for Wavelengths of 0.22—25 μm — E. IDCZAK	25
Optical Properties of Non-Transparent Chrome Layers — E. IDCZAK	31
Analysis of an Electron Mirror by Using the Matrix Notation — W. SŁÓWKO, A. MULAK	37
Optical Testing of Profiles — W. FINK, W. SCHNEIDER	45
Preparation of Thin InSb-Films — P. A. BÜGER, O. A. KUNZE	49
Light Polarization in Multiple Total Reflection, B. NÁBĚLEK	51
Letters to the Editor	55
The Secondary Spectrum of Two-Lens Superachromats with an Air Space — J. NOWAK	55
Electric Breakdown of KDP Crystal at Optical Frequencies — F. KACZMAREK, E. PAWŁOWSKA	57
Chronicle	59