# Contents

**Vol. 36, No. 4, 2000**
Simultaneous English language translation of the journal is available from MAIK "Nauka/Interperiodica" (Russia).
Distributed worldwide by Kluwer Academic/Plenum Publishers. *Russian Journal of Nondestructive Testing* ISSN 1061-8309.

## Magnetic and Electro-Magnetic Methods

Experience in Eddy-Current Testing of Mounting Holes in Aircraft Components
*P. I. Beda and V. M. Sapunov* 241
Testing Press Performance of Low-Carbon Steels
*G. S. Korzunin, E. A. Mityushov, and L. L. Mityushova* 246
Hysteretic Effects in Compensation for Signals from Gradient Ferromagnetic Transducers
*Yu. Ya. Reutov and V. I. Pudov* 250
Elimination of Spurious Signal due to Misalignment of Magnetic Axes of a Differential Magnetic-Modulation Transducer: Part I
*V. I. Pudov* 253
Elimination of Spurious Signal due to Misalignment of Magnetic Axes in a Differential Magnetic-Modulation Transducer: Part II. Experimental
*V. I. Pudov* 261
Modifications in the Linear Current Model of a Discontinuity Flaw in a Ferromagnetic Piece
*R. V. Zagidulin and V. F. Muzhitskii* 268

## Optical Methods

Diffractometry of Wire-Drawing Dies with Local Flaws
*V. A. Tarlykov* 276

## Acoustic and Other Methods

Acoustic-Emission Testing and Diagnostic of Hazardous Dynamic Processes in a Coal Seam
*S. I. Builo* 282
Identification of Chemical Composition of Objects Probed by X-Rays Based on Spectral Analysis of Transmitted Radiation
*V. E. Kul'beda* 290
Effect of Sample Dimension on Mechanical Parameters Obtained in Stretching Tests
*B. A. Migachev* 296
No Flaw Found in a Destroyed Piece
*I. N. Ermolov* 302

## Information

International Specialized Exhibition of Instruments and Equipment for Industrial Nondestructive Testing DEFEKTOSKOPIYA-2000 304