

Contents

PREFACE TO THE SPECIAL ISSUE ON NONLINEAR DYNAMICS AND CHAOTIC PHENOMENA IN NONLINEAR VIBRATIONS	<i>A-B</i>
MIGUEL A. F. SANJUÁN	
610. BASIC SETS AND ATTRACTORS OF A DOUBLE SWING POWER SYSTEM	1
Y. UEDA, H. OHTA	
611. NONLINEAR OSCILLATIONS, TRANSITION TO CHAOS AND ESCAPE IN THE DUFFING SYSTEM WITH NON-CLASSICAL DAMPING	22
LAURA RUZZICONI, GRZEGORZ LITAK, STEFANO LENCI	
612. NONLINEAR ANALYSIS OF THE RIPPING HEAD POWER TIME SERIES	39
GRZEGORZ LITAK, ARKADIUSZ SYTA, JAKUB GAJEWSKI, JÓZEF JONAK	
613. SENSITIVITY ANALYSIS ON DYNAMIC RESPONSES OF GEOMETRICALLY IMPERFECT BASE EXCITED CANTILEVERED BEAMS	52
O. AGHABABAEI, H. NAHVI, S. ZIAEI-RAD	
614. DISCONTINUITY AND BIFURCATION ANALYSIS OF MOTIONS IN A FERMI OSCILLATOR UNDER DUAL EXCITATIONS	66
YU GUO, ALBERT C. J. LUO	
615. VIBRATIONS IN STAINLESS STEEL TURNING: MULTIFRACTAL AND WAVELET APPROACHES	102
GRZEGORZ LITAK, RAFAŁ RUSINEK	
616. MEASUREMENTS OF NOISE AT CROSSROADS AND ON TRANSPORTATIONS, ITS EFFECTS AND POSSIBLE MEASURES TO TAKE	109
SEZGIN ERSOY, YELDA KARATEPE	
617. CYCLE-TO-CYCLE VARIATION OF THE COMBUSTION PROCESS IN A DIESEL ENGINE POWERED BY DIFFERENT FUELS	120
R. LONGWIC, A. K. SEN, K. GÓRSKI, W. LOTKO, G. LITAK	
BOOK REVIEW: NONLINEAR PROBLEMS OF THE THEORY OF VIBRATIONS AND CONTROL THEORY. VIBRATION MECHANICS. FOR THE 80 – TH ANNIVERSARY OF I. BLEKHMAN. BOOK EDITORS: V. BELECKIJ, D. INDEITSEV, A. FRADKOV.	128
REVIEWER: K. RAGULSKIS	
BOOK REVIEW: NONDESTRUCTIVE TESTING. HANDBOOK. IN 8 VOLUMES. EDITED BY V. KLYUEV. VOLUME 3. ULTRASONIC TESTING.	129
BOOK AUTHORS: I. ERMOLOV, Y. LANGE. REVIEWER: P. PAŠKEVIČIUS	
CONFERENCE ANNOUNCEMENT:	131
INTERNATIONAL CONFERENCE “VIBROENGINEERING – 2011”	
ACKNOWLEDGEMENTS. V. GINIOTIS	132