

Contents

570. BIFURCATION ANALYSIS AND RARE ATTRACTORS IN DRIVEN DAMPED PENDULUM SYSTEMS	369
A. KLOKOV, M. ZAKRZHEVSKY	
571. STRONGE EXPERIMENTAL MODAL ANALYSIS OF A GOLF CLUBFACE: INVESTIGATION OF TRAMPOLINE EFFECT	375
ISMAIL K. A., STRONGE W. J.	
572. CARGO PENDULUM VIBRATION DAMPING INSIDE VEHICLE HULL	381
J. VIBA, A. VILKAJS, E. KOVALS, B. GRASMANI	
573. DEVELOPMENT AND INVESTIGATION OF NOVEL DESIGN PIEZO-ACTUATED LASER BEAM SHUTTING SYSTEM	388
R. BANSEVICIUS, R. GAIDYS, V. JURENAS, S. NAVICKAITE	
574. ADAPTABLE VIBRATION MONITORING IN ROTOR SYSTEMS	396
V. VOLKOVAS, A. PEREDNIS	
575. VIBROACOUSTIC FREQUENCY RESPONSE ON A PASSENGER COMPARTMENT	406
I. LUPEA, R. SZATHMARI	
576. SIMULATION OF OSCILLATION DYNAMICS OF MECHANICAL SYSTEM WITH THE ELECTORHEOLOGICAL SHOCK-ABSORBER	419
V. BILYK, E. KOROBKO, A. BINSHTOK, A. BUBULIS	
577. ESTIMATION OF SURFACE ROUGHNESS USING HIGH FREQUENCY VIBRATIONS	429
V. AUGUTIS, M. SAUNORIS	
578. SHAPE OPTIMIZATION OF MOUNTING DISK OF RAILWAY VEHICLE MEASUREMENT SYSTEM	436
A. JANUSHEVSKIS, A. MELNIKOVS, A. BOYKO	
579. INVESTIGATION OF DYNAMIC OF SMART VALVE USING HOLOGRAPHIC PRISM SYSTEM	443
R. RIMAŠAUSKIENĖ, R. BANSEVIČIUS, G. JANUŠAS, A. PALEVIČIUS	
580. STRENGTH ANALYSIS OF THE PLATED CLAVICLE	453
A. DOMEIKA, V. EIDUKYNAS, K. KAZLAUSKIENE, P. ŽILIUKAS	
581. MATHEMATICAL FORMULATION OF INSTABILITY OF A SUBSEA SUSPENDENT PIPELINE	459
N. MESTANZADE, L. YILMAZ	
582. RESEARCH OF THE FLEXIBLE BELLOW WITH THE MAGNETORHEOLOGICAL FLUID	472
D. MAŽEIKA, J. KUNEVIČIUS, V. VOLKOVAS, E. DRAGAŠIUS	

583. INVESTIGATING POSSIBILITIES OF A TABLE VIBRATOR WITH CONTROLLED DAMPING	480
B. SPRUOGIS, V. TURLA, A. JAKŠTAS	
584. MODELING OF DYNAMIC STABILITY OF FLEXIBLE ULTRASONIC WAVEGUIDES	487
D. STEPANENKO, V. MINCHENYA, A. BUBULIS	
585. THE RESEARCH OF DYNAMICS OF MECHANICAL SYSTEM WITH VARIABLE PARAMETERS	494
A. IVANOVSKAYA	
586. RELATION BETWEEN NUMERICAL MODEL AND VIBRATION: BEHAVIOR DIAGNOSIS FOR BUCKET WHEEL DRIVE ASSEMBLY AT THE BUCKET WHEEL EXCAVATOR	500
P. JOVANČIĆ, M. TANASIJEVIĆ, D. IGNJATOVIĆ	
587. STUDY OF RESONANCE PHENOMENA IN ACOUSTIC WOOD BOARDS	514
J. VOBOLIS, D. ALBREKTAS	
588. FIBER ORIENTATION IN VISCOUS FLUID FLOW WITH AND WITHOUT VIBRATION	523
A. KRASNIKOVS, O. KONONOVA, M. EIDUKS, J. KALINKA, G. KHARKOVA, A. GALUSHCHAK, A. MACHANOVSKY	
589. INVESTIGATION OF MOTION CONTROL OF PIEZOELECTRIC UNIMORPH FOR LASER SHUTTER SYSTEMS	533
A. BUBULIS, V. JURENAS, S. NAVICKAITE, V. RUGAITYTE	
590. DETECTION OF INTERNAL DEFECTS OF MATERIAL ON THE BASIS OF PERFORMANCE SPECTRAL DENSITY ANALYSIS	541
O. KREJCAR, R. FRISCHER	
591. DIAGNOSTICS PROCEDURE FOR IDENTIFICATION OF RUBS IN ROTOR BEARINGS	552
V. BARZDAITIS, M. BOGDEVIČIUS, R. DIDŽIOKAS	
592. INVESTIGATION OF PACKAGES RESISTANCE UNDER DYNAMIC LOADS	566
A. KABELKAITĖ, V. MILIŪNAS, L. GEGECKIENĖ, E. KIBIRKŠTIS, L. RAGULSKIS, V. VOLKOVAS	
593. EXPERIMENTAL ANALYSIS OF THE ROBOTIZED ASSEMBLY APPLYING VIBRATIONS	572
B. BAKŠYS, J. BASKUTIENĖ, S. KILIKIČIUS, A. CHADAROVICHUS	
594. OPTIMIZATION OF ULTRASOUND BEAM TRANSMISSION PATH WITHIN MEASUREMENT CHANNEL OF ULTRASONIC FLOWMETER	582
A. RAGAUSKAS, V. PETKUS, P. BORODIČAS, R. BANSEVIČIUS, R. RAIŠUTIS, R. BARAUSKAS, V. PAMAKŠTIS	
595. THE ANALYTICAL METHOD OF ACOUSTIC FIELD ESTIMATION IN THE CYLINDRICAL SHAPE	589
V. DOROŠEVAS	
596. AMPLITUDE OF RADIAL OSCILLATIONS AND IMBALANCE PARAMETERS OF THE ROTATING ROTOR	593
V. SOKOL	
597. FUNDAMENTAL UNDERSTANDING OF THE DYNAMIC MEASUREMENT EQUATION AS THE PRINCIPLE OF CERTAIN MEASUREMENTS	599
G. ABRAMCHUK	
598. THE INFLUENCE OF MECHANICAL VIBRATIONS ON PROPERTIES OF NI-BASED COATINGS	604
J. ŠKAMAT, A. VALIULIS, O. ČERNAŠEJUS	
599. VIBRATION AND NOISE MEASUREMENTS DURING SILAGE THICKENING WITH INERTIA DIRECTIONAL VIBRATOR	611
A. JASINSKAS, E. ŠARAUSKIS, V. BUTKUS, E. JOTAUTIENĖ, A. MIELDAŽYS, G. VISELGA	

600. GRASS SILAGE THICKENING TECHNOLOGY USING CENTRIFUGAL UNDIRECTED ACTION VIBRATOR	621
A. JASINSKAS, K. PLIESKIS, E. ŠARAUSKIS, A. SAKALAUSKAS	
601. PIEZOELECTRIC ACTUATOR FOR HIGH RESOLUTION LINEAR DISPLACEMENT SYSTEMS	629
R. BANSEVIČIUS, V. JŪRĖNAS, V. GRIGALIŪNAS, A. VILKAUSKAS	
602. PRINCIPLE AND DATA ANALYSIS OF VERTICAL ANGLE CALIBRATION OF GEODETIC INSTRUMENTS	635
D. BRUČAS, A. ANIKĖNIENĖ, L. ŠIAUDINYTĖ, V. GINIOTIS, J. STANKŪNAS, A. ZAKAREVIČIUS, J. SKEIVALAS	
603. THE DYNAMIC EFFECT OF THE MOVING TRAINS ON THE RAILROAD RAILS AND PROPAGATION OF EXCITED VIBRATIONS	642
D. GUŽAS	
604. NOISE IN EUROPEAN RAILWAY UNDER MODERNIZATION AND ITS REDUCTION	649
D. GUŽAS, V. TRIČYS	
605. FORMALIZATION OF THE OBSERVATIONS OF THE SEA LEVEL VARIATIONS USING XML DATA SCHEMAS AND SCALABLE VECTOR GRAPHICS FORMAT	657
E. PARŠELIŪNAS, L. MAROZAS, P. PETROŠKEVIČIUS, A. ZAKAREVIČIUS, J. STANKŪNAS, V. Č. AKSAMITAUSKAS, A. H. MARCINKEVIČIUS	
606. RESEARCH OF POSITIONING ACCURACY OF ROBOT MOTOMAN SSF2000	664
A. KILIKEVIČIUS, M. JUREVIČIUS, V. VEKTERIS, R. MASKELIUNAS, J. STANKŪNAS, M. RYBOKAS, P. PETROŠKEVIČIUS	
607. THE SOUND WAVE DISPLACEMENT-BASED ULTRASONIC METER DEPENDENCE ON VARIOUS ATMOSPHERIC FACTORS	669
V. JOZONIS, J. STANKŪNAS, E. PILECKAS, E. PARŠELIŪNAS, A. ZAKAREVIČIUS, R. MASKELIŪNAS, A. H. MARCINKEVIČIUS	
608. EXPERIMENTAL RESEACH OF STEEL ROPE DYNAMIC PROPERTIES	676
V. BUČINSKAS, E. ŠUTINYS, A. KILIKEVIČIUS	
609. SOME ISSUES OF THE NATIONAL GRAVIMETRIC NETWORK DEVELOPMENT IN LITHUANIA	683
E. PARŠELIŪNAS, R. OBUCHOVSKI, R. BIRVYDIENĖ, P. PETROŠKEVIČIUS, A. ZAKAREVIČIUS, V. Č. AKSAMITAUSKAS, M. RYBOKAS	
BOOK REVIEW THE TRACKING FORCE AND THE PROBLEMS ARISING. COMPUTER ANALYSIS OF ELECTRONIC MODELS FOR DEFORMABLE OBJECTS.	689
BOOK AUTHOR: V. OVSIANKO. REVIEWER: A. BUBULIS	
BOOK REVIEW AIR DYNAMICS, HYDRO ELASTICITY AND FLIGHT STABILITY OF PARACHUTE SYSTEMS. AVIATICS OF SOFT FLYING AIRCRAFTS.	691
BOOK AUTHOR: Y. DAVYDOV. REVIEWER: B. SPRUOGIS	