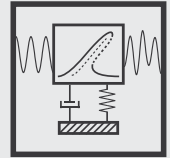


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Vibroengineering Procedia



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VP Vibroengineering PROCEEDIA

Vibroengineering PROCEEDIA Volume 57 contains papers presented at the 71st International Conference on Vibroengineering in Riga, Latvia, December 12-13, 2024. The main theme of the Conference is “Vibration and Condition Monitoring Problems”.

Aims and Scope

Journal publishes original papers presenting the state of the art in vibroengineering of dynamical systems.

The list of principal topics:

- Measurements in engineering
- Mathematical models in engineering
- Acoustics, noise control and engineering applications
- Mechanical vibrations and applications
- Fault diagnosis based on vibration signal analysis
- Vibration control, generation and harvesting
- Seismic engineering and applications
- Modal analysis and applications
- Vibration in transportation engineering
- Flow induced structural vibrations
- Oscillations in biomedical engineering
- Chaos, non-linear dynamics and applications
- Oscillations in electrical engineering
- Fractional dynamics and applications
- System dynamics in manufacturing system modeling
- Dynamics of smart and functionally graded materials

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- Acoustics, noise control and engineering applications
- Flow induced structural vibrations
- Modal analysis and applications
- System dynamics in manufacturing system modelling
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VP Vibroengineering PROCEDIA

DECEMBER 2024. VOLUME 57, PAGES (1-235), ISSN PRINT 2345-0533, ISSN ONLINE 2538-8479

Contents

MECHANICAL VIBRATIONS AND APPLICATIONS

APPLICATION OF COMPLEX FUNCTION SOLUTION METHODS TO DETERMINE THE EXCITING LOAD REQUIRED FOR VIBRATORY COMPACTION OF METAL POWDER DMYTRO SAVIELOV, ANASTASHA SYMONOVA, RUSLAN PUZYR, OLENA KOBYLSKA	1
VIBRATIONAL TRIMMING OF BOOK-EDGE WITH AN ECCENTRICALLY INSTALLED DISK KNIFE SERHII KOMAROV, GEORGIJ PETRIASZWILI, PIOTR JANICKI	8
EXPERIMENTAL TESTING OF ROUGHNESS PARAMETERS DURING VIBRATORY LAPPING OF FLAT SURFACES VITALIY KORENDIY, OLEKSANDR KACHUR, VIKTOR ZAKHAROV, IHOR DMYTRIV, ROMAN LITVIN, OLEH HRYTSUN, IHOR LAUSHNYK	16
METHOD OF OSCILLATION EXCITATION FOR INVESTIGATION OF INCONSISTENCY OF COATING DEPOSITION ON LONG PARTS YURII STRILETSKYI, LIUBOMYR ROPYAK, ANDRIY BANDURA	25
APPLICATION OF RIGID FLEXIBLE COUPLING TECHNOLOGY IN VIBRATION RESPONSE ANALYSIS OF WASHING MACHINE HAO SUN, RENFEI LI	32
DYNAMIC CHARACTERISTICS SIMULATION AND OPTIMIZATION OF HYDRAULIC SUPPORT BASED ON CAE METHOD KAI QI, FA LIN, MEIYING LI	39
DYNAMIC CHARACTERISTIC ANALYSIS AND STRENGTH OPTIMIZATION OF VIBRATING SCREEN BASED ON COMPUTER SIMULATION TECHNOLOGY KAI QI, RENFEI LI, XIAOWEN SUN	46

FAULT DIAGNOSIS BASED ON VIBRATION SIGNAL ANALYSIS

- DAMAGE IMAGING IN COMPOSITE CURVED PANELS BASED ON 2D WAVELET ANALYSIS OF GUIDED WAVEFIELDS** **53**
 ZIXI LI, GANGGANG SHA, WEN XIAO, HONGFU ZUO, MAOSEN CAO

SEISMIC ENGINEERING AND APPLICATIONS

- INTERACTION OF PIPELINES WITH LANDSLIDES: ANALYSIS OF MECHANICAL PROPERTIES AT DIFFERENT STRENGTHS** **59**
 JUNHAO ZHANG, SHUAI HUANG, HONGYU WANG, JUNBIAO HE, HAIXIA ZHAO, BIAO ZHOU, JINGWEI LIU
- RESEARCH ON DIFFUSION MECHANISM OF GROUTING SLURRY IN SLOPE GRAVEL SOIL** **66**
 HONG CHEN, DEHONG FU, LIMEI GENG, WEI LUO, JIAO TANG
- SEISMIC RESPONSE ANALYSIS OF CFST COMPOSITE COLUMN FRAME PIERS** **72**
 CHUNYAN XIA, XIAOHUI XIA, ZHEN LI, ZHIYONG SHI
- OPTIMAL PARAMETERS OF TUNED MASS DAMPER FOR THE REDUCTION OF WIND-INDUCED VIBRATION OF HIGH-RISE BUILDINGS** **78**
 KE TAN, YIMING XIE, FUCHAO CAO, YIPING WANG, YINFENG DONG

MODAL ANALYSIS AND APPLICATIONS

- VIBRATION RESPONSE ANALYSIS OF HYDRAULIC PIPELINE BASED ON FINITE ELEMENT METHOD** **85**
 XIN HAN, JINPING CHI
- OPTIMIZATION OF MECHANICAL STRUCTURE OF TRUCK CARRIAGE BASED ON MODAL ANALYSIS** **92**
 WENJING WANG, LINING ZHAO, XIAOLIN CUI
- MODAL AND DYNAMIC STRESS ANALYSIS OF CRANE SUPPORT FRAME BASED ON CAE TECHNOLOGY** **99**
 FA LIN
- INVESTIGATIONS ON DYNAMIC CHARACTERISTICS OF CFV12000 HIGH SPEED MOTORIZED SPINDLE** **106**
 LIXIAN WANG, CUNDING CHEN, HUAQIAO JIANG, WEI ZHANG
- FINITE ELEMENT SIMULATION OF MODAL AND LINEARIZED STRESS CHARACTERISTICS OF KEY COMPONENTS OF HEAT EXCHANGER** **112**
 KAI QI, HAO SUN, FA LIN
- MODAL ANALYSIS AND OPTIMIZATION DESIGN OF MODULAR STEEL STRUCTURES USED IN CONSTRUCTION** **119**
 RENFEI LI, KAI QI
- MODAL ANALYSIS AND LIGHTWEIGHT DESIGN OF KEY COMPONENTS OF THE ANCHOR WINDLASS** **126**
 HAO SUN, JUAN WANG, WEN CHI
- ANALYSIS OF MODAL CHARACTERISTICS AND STRENGTHENING EFFECT OF TRUSS ROOF** **133**
 RENFEI LI, HAO SUN

DYNAMIC RESPONSE ANALYSIS AND OPTIMIZATION OF ORBITAL SUPPORT STRUCTURE	140
XIN HAN, JINPING CHI	
DYNAMIC CHARACTERISTICS ANALYSIS AND OPTIMIZATION DESIGN OF MEDICAL GRINDING MACHINE	147
JINPING CHI, XIN HAN	
VIBRATION IN TRANSPORTATION ENGINEERING	
DYNAMIC CHARACTERISTICS ANALYSIS AND OPTIMIZATION OF OIL TANK	154
XIN HAN	
FEASIBILITY ANALYSIS AND VERIFICATION OF STANDARD LOAD SPECTRUM OF WHEEL-COUPLED ROAD SIMULATION TEST RIG	161
RONGLIANG LIANG, BIN WANG, GUORU HE	
MODAL AND DYNAMIC RESPONSE ANALYSIS OF SHOCK ABSORBER FOR SMALL COMMERCIAL VEHICLES	168
XIAOLIN CUI, WENJING WANG, LINING ZHAO	
EVALUATION OF RIDE PERFORMANCE OF PID CONTROLLER IN ACTIVE SUSPENSION SYSTEMS FOR AN ELECTRIC VEHICLE	175
NGUYEN TIEN DUNG, BUI VAN CUONG, LE VAN QUYNH, NGO VAN DUNG, VU TRAN HOANG	
NONLINEAR VIBRATION AND TRANSIENT STRESS ANALYSIS OF DISC BRAKE BASED ON COMPUTER SIMULATION TECHNOLOGY	182
FA LIN, KAI QI	
FLOW INDUCED STRUCTURAL VIBRATIONS	
ANALYSIS OF PLATE OSCILLATORY MOTION IN A VARIABLE AIR FLOW FOR POWER GENERATION	189
VITALIJS BERESNEVICS, JANIS VIBA, MARTINS IRBE, MARINA CERPINSKA, OLEGS JAKOVLEVS	
ACOUSTICS, NOISE CONTROL AND ENGINEERING APPLICATIONS	
ANALYSIS AND OPTIMIZATION OF WHINE NOISE IN THE FRONT-END GEAR TRAIN	195
JINGCHANG CHEN, LIANMAO WU, YONGWEI TANG, ZHAO CHEN, HONGJIAN SU, LEI REN, TAO ZHANG	
RESEARCH ON THE VIBRATION NOISE MATCHING STRATEGY OF RANGE-EXTENDED ELECTRIC VEHICLE	202
HONGJUN ZHANG, XIANGNAN SHI, JINGCHANG CHEN	
AUTOMOTIVE BODY SQUEAKING NOISE ANALYSIS BASED ON MAXWELL VISCOELASTIC MODEL	209
XIAOPING GONG, LIANG CHENG, YANGJIA SHE, TINGTING ZHENG	

MATERIALS AND MEASUREMENTS IN ENGINEERING

- THE APPLICATION OF ULTRASOUND IN THE SYNTHESIS OF POLYVINYLPIRROLIDONE COPOLYMERS AND THEIR (NANO)COMPOSITES** **216**
NATALIYA SEMENYUK, YURIY MELNYK, GALYNA DUDOK,
OLEKSANDR IVANUKH, VOLODYMYR SKOROKHODA

MATHEMATICAL MODELS IN ENGINEERING

- STUDY ON THE INFLUENCE OF GUARDRAILS ON THE MECHANICAL PROPERTIES OF PRE-STRESSED HOLLOW PLATE BEAM BRIDGES STRUCTURE** **223**
XINRU BIAN, PEIJIE LI, CHENGXIN YONG

SYSTEM DYNAMICS IN MANUFACTURING SYSTEM MODELING

- IMPACT OF AMBIENT TEMPERATURE ON THE PERCEIVED QUALITY CONSISTENCY OF AUTOMOTIVE INTERIOR AND EXTERIOR TRIM COMPONENTS** **229**
CHAO CHEN, FANGCHAO PANG, YUQING LIU

SHORT DESCRIPTION ABOUT THIS CATEGORY

Vibroengineering is an abbreviation of two words: vibration and engineering. Vibration phenomena play an important role in a wide range of mechanical, structural, electromechanical systems. Vibration engineering covers such topics as mechanical vibrations and applications, fault diagnosis based on vibration signal analysis, seismic engineering, acoustics and noise control, energy harvesting and vibration generation.

Every consecutive Volume of Vibroengineering Procedia is dedicated to a separate conference in the series of International Conferences on Vibroengineering.