

Contents

Design of Driveline Test Bench for Noise and Vibration Harshness Improvement of Automotive Chassis Components System	1
Kee Joo Kim, Si-Tae Won, Kyung Shik Kim, Byung-Ik Choi, Jun-Hyub Park, Jong Han Lim, Jun Kyu Yoon, Sang Shik Kim and Jae-Woong Lee	
A New Procedure for the Determination of the Main Technology Parameters of Rolling Mills	15
Jan Valíček, Jana Müllerová, Veronika Szarková, Krzysztof Rokosz, Czesław Łukianowicz, Dražan Kozak, Pavol Košťial and Marta Harničárová	
Observation of Damage to Materials for Educational Purposes at the BSc Level	27
Ivica Kuzmanić and Igor Vujović	
Pre-Processing for Image Sequence Visualization Robust to Illumination Variations	37
Ivica Kuzmanić, Slobodan Marko Beroš, Joško Šoda and Igor Vujović	
Efficient Crack Propagation Simulation Using the Superimposed Finite Element Method and Cohesive Zone Model	63
Y. T. Kim, H. C. Oh and B. C. Lee	
A Parametric Finite-Volume Formulation for Linear Viscoelasticity	77
Severino P. C. Marques, Romildo S. Escarpini Filho and Guillermo J. Creus	

Methodology for the Quantitative Evaluation of the Structure in Cast Magnesium Alloys	87
Tomasz Rzychoń	
Dynamic Analysis of Pre-Cast RC Telecommunication Towers Using a Simplified Model.	97
Marcelo A. Silva, Jasbir S. Arora and Reyolando M. L. R. F. Brasil	
Different Analysis Strategies for Roller Compacted Concrete Dam Design	117
Ugur Akpınar, Alper Aldemir and Baris Binici	
Experimental Method for Explosion Effect Determination	135
Jonathan Camargo and Luis Ernesto Muñoz	
Forward Modeling of Seabed Logging by Finite Integration and Finite Element Methods	147
Noorhana Yahya, Majid Niaz Akhtar, Nadeem Nasir, Hanita Daud and Marneni Narahari	
3D Mesh Extraction for Transmission Line Matrix Modelling.	167
Alexandre S. Brandão, Fabiana R. Leta and Edson Cataldo	
Index	177