

Third Serbian (28th Yu) Congress on Theoretical and Applied Mechanics
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Co-Presidents Serbian Society of Mechanics:

Professor Stevan Maksimovic

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Accepted abstracts

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1.	N. Anđelić, V. Milošević-Mitić, T. Maneski	THIN-WALLED OPEN-SECTION BEAMS - ONE VIEW TO THE OPTIMIZATION ACCORDING TO STRESS CONSTRAINTS	+
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30	MSc A. Grbović, N. Vidanović	THE USE OF FINITE ELEMENT METHOD (FEM) FOR SIMULATING CRACK GROWTH IN MINI DENTAL IMPLANTS (MDI)	+
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34	Anđelka N. Hedrih, Katica R. (Stevanović) Hedrih	CONSIDERING FORCED VIBRATIONS OF THE DOUBLE DNA HELIX MAIN CHAINS VIA TWO MODELS WITH ELASTIC AND FRACTIONAL ORDER PROPERTIES	+
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36	Katica R. (Stevanović) Hedrih, Ljiljana Veljović	ANALYSIS OF THE VECTOR ROTATORS OF A RIGID BODY NONLINEAR DYNAMICS ABOUT TWO AXES WITHOUT SECTION	+
37	Tomislav Igić, Dragana Turnić	OPTIMUM GIRDER DESIGN WITH MULTIPLE FUNCTIONS	+
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48	J. T. Katsikadelis	A NEW DIRECT TIME INTEGRATION METHOD FOR THE EQUATIONS OF MOTION IN STRUCTURAL DYNAMICS	+

49	S. Kostić, B. Deretić-Stojanović, N. Marković, S. Stošić	EFFECT OF CREEP AND SHRINKAGE ANALYSIS ON DEFLECTIONS OF CONTINUOUS COMPOSITE BEAMS	+
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54	M. Kutin, S. Ristic, M. Puharic, M. Ristic	TENSILE FEATURES OF CONTRACTUAL HOLE IN PLATE SPECIMEN TESTING BY THERMOGRAPHY AND CONVENTIONAL METHOD	+
55	Vladimir Kvrgić, Jelena Vidaković, Vladimir Kaplarević, Mihailo Lazarević	FORWARD AND INVERSE KINEMATICS FOR VERTICAL 5-AXIS TURNING CENTER WITH ANGULAR HEAD OF NON-INTERSECTIONAL AXES, WITH COMPENSATION FOR TABLE MOVING CAUSED BY THERMAL DILATATION	+
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65	T. Maneski, P. Jovančić, D. Ignjatović, V. Milošević-Mitić, N. Trišović	NUMERICAL AND EXPERIMENTAL DIAGNOSTIC OF DYNAMIC BEHAVIOR OF THE ROTOR-EXCAVATOR CONSTRUCTION	+
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75	Z. Milosevic, B. Stojanovic, V. Isailovic, D. Nikolic, D. Milasinovic, M. Radovic, T. Exarchos, K. Stefanou, P. Siogkas, A. Sakelarios, D. Fotiadis, O. Parodi, N. Zdravkovic, M. Kojic and N. Filipovic	ARTOOL: A PLATFORM FOR THE DEVELOPMENT OF MULTI-LEVEL PATIENT-SPECIFIC ARTERY AND ATHEROGENESIS MODELS	+
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