

Универзитет у Нишу
Машински факултет у Нишу



СПИСАК НАЈЗНАЧАЈНИЈИХ РЕЗУЛТАТА
У ПРЕТХОДНОЈ ШКОЛСКОЈ ГОДИНИ

	1.	Albers A., Miltenović V., Marković B., Development of New Products with Dislocated Teams, Strojniški vestnik - Journal of Mechanical Engineering , ISSN 0039-2480, Ljubljana, Slovenia, (<i>rad prihvaćen za štampu</i>)	P52
	2.	Stojiljković M., Stojanović B., Janevski J., Ilić G., Mathematical Model of Unsteady Gas to Solid Particles Heat Transfer in Fluidized Bed, journal Thermal Science , Vol. 13, No. 1, 2009. (<i>rad prihvaćen za štampu</i>)	P52 (M24)
*	3.	Hedrih (Stevanovic) Katica, Energy analysis in a nonlinear hybrid system containing linear and nonlinear subsystems coupled by hereditary element, Nonlinear dynamics , (2008) vol.51, br.1-2 s. 127 -140. http://www.springerlink.com/content/11472tr0p738/?sortorder=asc&p_o=10	P51a
	4.	M. S. Petković, D. M. Milošević, L. D. Petković, High order Euler-like method for the inclusion of polynomial zeros, Applied Mathematics and Computations , Vol. 196 (2008), pp. 762-773. http://www.sciencedirect.com/science/journal/00963003	P516
	5.	Manić M., Miltenović V., Stojković M., Banić M., Feature Models in Virtual Product Development, Strojniški vestnik - Journal of Mechanical Engineering , ISSN 0039-2480, Ljubljana, Slovenia, (<i>rad prihvaćen za štampu</i>)	P52
*	6.	Hedrih (Stevanovic) Katica, Vibration modes of an axially moving double belt system with creep layer, Journal of Vibration and Control (2008), 14(10-Sep): 1333-1347 http://jvc.sagepub.com/content/vol14/issue9-10/	P52
%	7.	R. Pavlović, P. M. Rajković, I. Pavlović, Dynamic stability of the viscoelastic rotating shaft subjected to random excitation, International Journal of Mechanical Sciences , 50 (2008), pp. 359-364. http://www.sciencedirect.com/science/journal/00207403	P51a
*	8.	Katica (Stevanović) Hedrih, Analogy between dynamics of thermo-rheological and piezo-rheological pendulums, Journal of Physics: Conference Series , 96 (2008) 012219, IOP Publishing. http://www.iop.org/EJ/abstract/1742-6596/96/1/012219/	P52
	9.	Pavlović N. T., Pavlović N. D., Compliant Mechanism Design for Realizing of Axial Link Translation, Mechanism & Machine Theory (2008), http://www.sciencedirect.com/science/journal/0094114X	P516
*	10.	Oleg Aleksandrovich Goroshko and Katica (Stevanovic) Hedrih. Advances in development of the analytical dynamics of the hereditary discrete systems, Journal of Physics: Conference Series , 96 (2008) 012143, IOP Publishing. http://www.iop.org/EJ/abstract/1742-6596/96/1/012143/	P52

	11.	Stefanović G., Sekulić Ž., Čojbašić Lj., Jovanović V., Hydration of mechanically activated mixtures of Portland cement and Fly Ash, Ceramics-Silikaty , 51(3) (2008), pp. 160-167. http://www.ceramics-silikaty.cz/index.htm	P51b
*	12.	Katica (Stevanović) Hedrih, Optimal Control of Dissipative Nonlinear Dynamical Systems with Triggers of Coupled Singularities, Journal of Physics: Conference Series , 96 (2008) 012220, IOP Publishing http://www.iop.org/EJ/abstract/1742-6596/96/1/012220	P52
	13.	J. Milovanović, M. Stojković, M. Trajanović, Feasibility study of RP in tire mold manufacturing, Rapid Prototyping Journal , Emerald (<i>rad prihvaćen za štampu</i>) http://www.emeraldinsight.com/Insight/viewContainer.do?containerType=Journal&containerId=11121	P516
*	14.	Katica (Stevanović) Hedrih and Ljiljana Veljović, Nonlinear dynamics of the heavy gyro-rotor with two skew rotating axes, Journal of Physics: Conference Series , 96 (2008) 012221, IOP Publishing. http://www.iop.org/EJ/abstract/1742-6596/96/1/012221	P52
	15.	M. Kavgać, D. Mumović, Z. Stevanović, A. Young, Analysis of thermal comfort and indoor air quality in a mechanically ventilated theatre, Energy and Buildings , Vol 40 (2008), pp 1334-1343. http://www.sciencedirect.com/science/journal/03787788	P51a
*	16.	Hedrih (Stevanović) Katica, Dynamics of coupled systems, Nonlinear Analysis: Hybrid Systems , Volume 2, Issue 2, June 2008, Pages 310-334. http://www.sciencedirect.com/science/journal/1751570X	P52
	17.	G. Stefanović, M. Trajanović, N. Duić, M. Ferek, Pollution Data Tracking in the Western Balkan Countries: A State of the Art Review, Thermal Science , Vinča (<i>rad prihvaćen za štampu</i>). http://thermalscience.vin.bg.ac.yu/	P52 (M24)
*	18.	Hedrih (Stevanović) Katica, Simonović Julijana, Transversal vibrations of a double circular plate system with visco-elastic layer excited by a random temperature field, International Journal of Nonlinear Sciences and Numerical Simulation , (2008) vol.9 br.1 str. 47-50. http://www.ijnsns.com/	P51a
	19.	Rašković P., Vučković G., Vukić M., Improving Eco-sustainable Characteristics and Energy Efficiency of Evaporative Fluid Cooler via Experimental and Numerical Study, Thermal Science (2008) Vol. 12, No. 4. (<i>rad prihvaćen za štampu</i>) http://thermalscience.vin.bg.ac.yu/	P52 (M24)
*	20.	Hedrih (Stevanović) Katica, Energy transfer in double plate system dynamics, Acta Mechanica Sinica , (2008) vol.24 br.3 str. 331-344. http://www.springerlink.com/content/h325p7368154/?sortorder=asc&p_o=10	P516
	21.	M. Petković, L. Rančić, Lj. D. Petković, Point estimation of simultaneous methods for solving polynomial equations: a survey (II), Journal of Computational and Applied Mathematics , Vol 205, No 1, (2007), pp. 32-52. http://www.sciencedirect.com/science/journal/03770427	P516
	22.	W. Koepf, P. M. Rajković, S. D. Marinković, Properties of q-holonomic functions, Journal of Difference Equations and Applications , Vol. 13 (2007), No. 7, pp. 621-638. http://nainfo.nbs.bg.ac.yu/Kobson/service/ElecasRed.aspx?Serv=EB&ID=21994	P516
	23.	Bogdanović B., Milanović S., Bogdanović-Jovanović J., KOMPRESORI - termodinamika procesa sabijanja gasova, Izdavač Mašinski fakultet u Nišu, ISBN 978-86-80587-71-4, COBISS.SR-ID 144609804, Grafika Galeb Niš, 2007.	P13
	24.	M. Sijercić, S. Belosević, Z. Stevanović, Simulation of free turbulent particle-laden jet using Reynolds-stress gas turbulence model, Applied Mathematical Modelling , Vol 31 (2007), pp 1001-1014. http://www.sciencedirect.com/science/journal/0307904X	P51b
*	25.	Hedrih (Stevanović) Katica, Transversal vibrations of the axially moving sandwich belts, Archive of Applied Mechanics , (2007) vol.77 br.7 str. 523-539. http://www.springerlink.com/content/h5n0486n2722/?p=346eae400e8d4ef4b18a04cfd0a15294&pi=16	P52

✱

%

%

26.	Hedrih (Stevanovic) Katica., Transversal forced vibrations of an axially moving sandwich belt system, Archive of Applied Mechanics , 2007, vol. 78, no. 9, pp. 725-735 http://www.springerlink.com/content/2081u5426316886m/?p=906427eb81eb4857a8b303ff4e825144&pi=3	P52
27.	Milovančević D., L-Ultrafilters, L-Sets, and Lc-Property, Mathematica Moravica , Vol. 11 (2007), ISSN 1450-5932, pp. 69- 78.	P61
28.	P. Kozić, R. Pavlović, P. Rajković, Moment Lyapunov exponent and stochastic stability of a parametrically excited oscillator, Meccanica , Vol. 42 (2007), pp. 323-330. http://www.springerlink.com/content/102958/	P52
29.	Ž. Stevanović, Z. Marković, V. Turanjanin, Numerical simulation of fire spread in Terminal 2 of Belgrade airport, Thermal Science , Vol 11 No 2 (2007), pp 251-258. http://thermalscience.vin.bg.ac.yu/	P52 (M24)
30.	Lj. D. Petković, M. Petković, A note on some recent methods for solving nonlinear equations, Applied Mathematics and Computations , Vol. 185 (2007), pp. 368-374. http://www.sciencedirect.com/science/journal/00963003	P516
31.	S. Randjelović, S. Živanović, CAD - CAM data transferring as a part of product life cycle, UDC 681.31, Facta Universitatis, Series: Mechanical Engineering Vol. 1, 2007	P61
32.	R. Pavlović, P. Kozić, P. Rajković, I. Pavlović, Dynamic stability of a thin-walled beam subjected to axial loads and end moments, Journal of Sound and Vibration , Vol. 301 (2007), pp. 690-700. http://www.sciencedirect.com/science/journal/0022460X	P51a
33.	P. Milosavljević, Održavanje tehničkih sistema po konceptu TPM i Six Sigma, <i>monografija</i> , Biblioteka Dissertatio, Zadužbina Andrejević, Beograd, 2007.	P13
34.	Stefanović G., Čojbašić Lj., Sekulić Ž., Matijašević S., Hydration study of the mechanically activated mixtures of Portland cement and fly ash, Journal of the Serbian Chemical Society , 72(6) (2007), pp. 591-604. http://www.doiserbia.nbs.bg.ac.yu/Journal.aspx?issn=0352-5139	P52
35.	M. Petković, Lj. D. Petković, A one parameter square root family of two-step root-finders, Applied Mathematics and Computations , Vol 188, No 1, (2007), pp. 339-344. http://www.sciencedirect.com/science/journal/00963003	P516
36.	Bogdanović B., Bogdanović-Jovanović J., Stamenković Ž., Majstorović P., The comparison of theoretical and experimental results of velocity distribution on boundary streamlines of separated flow around a hydrofoil in a straight plane cascade, Facta Universitatis, Series: Mechanical Engineering , Vol. 5 (2007), No. 1, pp. 33-46.	P61
37.	M. Ivković, I. Đordjević, P. M. Rajković, B. Vasić, Pulse Energy Probability Density Functions for Long-Haul Optical Fiber Transmission Systems by Using Instantons and Edgeworth Expansion, IEEE Photonics Technology Letters , Vol 19 (2007), No 20, pp. 1604-1606. http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=68	P51a
38.	Miltenović V., Velimirović M., Banic M., Testing and proposition of actions for the rebuilding of the press autom 2500 S, The Monography MACHINE DESIGN , on the occasion of the 47 th anniversary of the Fakultety of Technical Sciences 1960 – 2007., Novi Sad, May 2007., s. 147-154.	P23
39.	Hedrih (Stevanovic) Katica, Double plate system with a discontinuity in the elastic bonding layer, <i>Acta Mechanica Sinica</i> , (2007) vol.23 br.2 str. 221-229. http://www.springerlink.com/content/r211q506xq50/?sortorder=asc&p_o=10	P516
40.	Boban Andelković, Dragan Milčić, Dragoslav Janošević, Friction coefficient problems and neuro - fuzzy modeling, FTN Novi Sad, Monografija, 18.05.2008, (rad, kao deo monografije, s. 87-90).	P23

✱

41.	P. M. Rajković, M. D. Petković, P. Barry, The Hankel transform of the sum of consecutive generalized Catalan numbers, Integral Transforms and Special Functions , Vol. 18 (2007), Issue 4, pp. 285-296. http://nainfo.nbs.bg.ac.yu/Kobson/service/ElecasRed.aspx?Serv=EB&ID=20665	P52
42.	A. Kostogrizov, V. Stoilković, Applicable Methods to Analyze and Optimize Standard System Processes, <i>Book</i> , Armament. Policy. Conversion, Moscow-2007., pages 335.	P13
43.	Z. Cvijović G. Radenković, Pitting Corrosion Damage of Cast Duplex Stainless Steels: Role of Microstructure, 5th chapter of book Corrosion Research Trends , Editors: I. S. Wang, Nova Science Publishers. http://www.booksunlimited.ie/Books//Corrosion-Research-Trends/9781600217333.htm	P22 (P52)
44.	M. Petković, Lj. D. Petković, Construction of zero-finding methods by Weierstrass functions, Applied Mathematics and Computations , Vol 184, No 1, (2007), pp. 351-359. http://www.sciencedirect.com/science/journal/00963003	P516
45.	Dragan Milčić, Boban Anđelković, Miroslav Mijajlović, Automatisatation of power transmitters design process within ZPS system, FTN Novi Sad, Monografija, 18.05.2008, (rad, kao deo monografije, s. 1 - 8).	P23
46.	Petrović, T., Ivanov, I., Milošević, M., Energetic Characteristics of a New Solution of the Worm-Planetary Gear Train, Journal of Mechanical Engineering Design (ISSN 1450-5401), Vol. 10, No 2, 2007.	P61
47.	Marinković Z., Petrović G., Marinković D., Simulation model for the analytical load determination of machine elements, MACHINE DESIGN - monograph , The editor of the monograph Kuzmnović S., University of Novi Sad - Faculty of Tehnical Sciences, ADEKO, Novi Sad, 2007. pp. 389 ÷ 394.	P23
48.	Boban Anđelković, Dragan Milčić, Miroslav Mijajlović, Odlučivanje u prosecu konstruisanja - primeri primene metoda veštačke inteligencije, FTN Novi Sad, Monografija , 18.05.2007, (rad, kao deo monografije, s. 13 - 20).	P23