

Authors	Title	volume, issue, pages, year DOI	Key words	Citation style
Ozmen, O., Surmen, H.	Design of 3D Printed Below-Knee Prosthetic – A Finite Element and Topology Optimization Study	70, 11-12, 517-530 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2024.1034">https://dx.doi.org/10.5545/sv-jme.2024.1034</a>	3D printing; additive manufacturing; FEM; prosthetic design; topology optimization;	Ozmen, O., Surmen, H. Design of 3D printed below-knee prosthetic – a finite element and topology optimization study. <i>Stroj Vest-J Mech E</i> 70 517-530 (2024) DOI:10.5545/sv-jme.2024.1034
Wan, Z., Yue, L., Wang, Y., Zhao, P.	Acceleration Harmonic Estimation and Suppression for Hydraulic Load Simulator Based on Artificial Bee Colony with Chaotic Search Strategy	70, 11-12, 531-542 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2024.1047">https://dx.doi.org/10.5545/sv-jme.2024.1047</a>	artificial bee colony; chaos-decision variable; harmonic distortion; harmonic estimation; harmonic suppression;	Wan, Z., Yue, L., Wang, Y., Zhao, P. Acceleration harmonic estimation and suppression for hydraulic load simulator based on artificial bee colony with chaotic search strategy. <i>Stroj Vest-J Mech E</i> 70 531-542 (2024) DOI:10.5545/sv-jme.2024.1047
Gao, J., Liu, A., Yang, J., Zhao, S., Liu, J.	Optimization of Outer-Rotor Flux-Switching Permanent Magnet Motor Using Response Surface Method	70, 11-12, 543-553 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2023.859">https://dx.doi.org/10.5545/sv-jme.2023.859</a>	outer-rotor flux switching permanent magnet motor; optimization; response surface method; finite element method; flywheel energy storage system;	Gao, J., Liu, A., Yang, J., Zhao, S., Liu, J. Optimization of outer-rotor flux-switching permanent magnet motor using response surface method. <i>Stroj Vest-J Mech E</i> 70 543-553 (2024) DOI:10.5545/sv-jme.2023.859
Yang, W., Zhou, Y., Meng, G., Li, Y., Gong, T.	Improving the Efficiency of Steel Plate Surface Defect Classification by Reducing the Labelling Cost Using Deep Active Learning	70, 11-12, 554-568 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2023.900">https://dx.doi.org/10.5545/sv-jme.2023.900</a>	surface defect classification; multiscale convolutional neural networks; active learning; global pooling;	Yang, W., Zhou, Y., Meng, G., Li, Y., Gong, T. Improving the efficiency of steel plate surface defect classification by reducing the labelling cost using deep active learning. <i>Stroj Vest-J Mech E</i> 70 554-568 (2024) DOI:10.5545/sv-jme.2023.900
Zhang, Y., Zhou, H., Duan, C., Wang, Z., Luo, H.	Gear Differential Flank Modification Design Method for Low Noise	70, 11-12, 569-581 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2024.1072">https://dx.doi.org/10.5545/sv-jme.2024.1072</a>	tooth modification; low noise; angular acceleration; meshing force;	Zhang, Y., Zhou, H., Duan, C., Wang, Z., Luo, H. Gear differential flank modification design method for low noise. <i>Stroj Vest-J Mech E</i> 70 569-581 (2024) DOI:10.5545/sv-jme.2024.1072
Xu, T., Guan, Q., Ma, C.	The Impact of Micro-texture Distribution on the Frictional Performance of Straight Bevel Cylindrical Gears	70, 11-12, 582-594 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2024.1033">https://dx.doi.org/10.5545/sv-jme.2024.1033</a>	gear transmission; micro-texture; friction; wear; stress-strain; temperature;	Xu, T., Guan, Q., Ma, C. The Impact of micro-texture distribution on the frictional performance of straight bevel cylindrical gears. <i>Stroj Vest-J Mech E</i> 70 582-594 (2024) DOI:10.5545/sv-jme.2024.1033
Manikandrabu, P., Saravanan, K.	Experimental Investigation on SS202 using Tubular and Double D Tubular Electrode Tool in Electrical Discharge Drilling Machining	70, 11-12, 595-606 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2024.1076">https://dx.doi.org/10.5545/sv-jme.2024.1076</a>	modified electrode geometry; material removal rate; over cut; heat affected zone; recast layer; analysis of variance;	Manikandrabu, P., Saravanan, K. Experimental investigation on ss202 using tubular and double d tubular electrode tool in electrical discharge drilling machining. <i>Stroj Vest-J Mech E</i> 70 595-606 (2024) DOI:10.5545/sv-jme.2024.1076
Diachenko, S., Balabanov, S., Sychov, M., Litosov, G., Kiryanov, N.	The Impact of the Geometry of Cellular Structure Made of Glass-Filled Polyamide on the Energy-Absorbing Properties of Design Elements	70, 11-12, 607-619 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2024.975">https://dx.doi.org/10.5545/sv-jme.2024.975</a>	additive technologies; selective laser sintering; polyamide; glass; triply periodic minimal surface; energy absorption; dampers;	Diachenko, S., Balabanov, S., Sychov, M., Litosov, G., Kiryanov, N. The impact of the geometry of cellular structure made of glass-filled polyamide on the energy-absorbing properties of design elements. <i>Stroj Vest-J Mech E</i> 70 607-619 (2024) DOI:10.5545/sv-jme.2024.975
Senegačnik, A., Sekavčnik, M.	The Illusion of a Green Transition in Slovenia by 2050	70, 9-10, 405-416 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2024.1007">https://dx.doi.org/10.5545/sv-jme.2024.1007</a>	phasing out fossil and nuclear energy sources; renewable energy sources; photovoltaic modules; pumped hydro storage; green transition;	Senegačnik, A., Sekavčnik, M. The illusion of a green transition in Slovenia by 2050. <i>Stroj Vest-J Mech E</i> 70 405-416 (2024) DOI:10.5545/sv-jme.2024.1007
Denys, K., Vancraeynest, N., Cooreman, S., Rossi, M., Coppieters, S.	Through-thickness Work Hardening Variation in Thick High Strength Steel Plates: A Novel Inverse Characterization Method	70, 9-10, 417-425 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2024.1037">https://dx.doi.org/10.5545/sv-jme.2024.1037</a>	through thickness strain hardening; FEMU; Nelder-Mead; stereo-DIC; S690QL; thick high strength steel;	Denys, K., Vancraeynest, N., Cooreman, S., Rossi, M., Coppieters, S. Through-thickness work hardening variation in thick high strength steel plates: A novel inverse characterization method. <i>Stroj Vest-J Mech E</i> 70 417-425 (2024) DOI:10.5545/sv-jme.2024.1037
Ma, Q., Cha, L., Zhang, X.	Simulation Research on the Control Method of Bow-Collapse in Gear Cold Roll-Beating	70, 9-10, 426-439 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2023.884">https://dx.doi.org/10.5545/sv-jme.2023.884</a>	cold roll-beating; bow-collapse; FE simulation; loss coefficient; cross-section radius;	Ma, Q., Cha, L., Zhang, X. Simulation research on the control method of bow-collapse in gear cold roll-beating. <i>Stroj Vest-J Mech E</i> 70 426-439 (2024) DOI:10.5545/sv-jme.2023.884
Xu, F., Yang, H., Ahlin, K., Chen, Z.	Kurtosis Control of Amplitude-Modulated non-Gaussian Signals for Fatigue Test	70, 9-10, 440-451 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2023.908">https://dx.doi.org/10.5545/sv-jme.2023.908</a>	non-Gaussian; amplitude modulation method; fatigue damage spectrum; kurtosis;	Xu, F., Yang, H., Ahlin, K., Chen, Z. Kurtosis control of amplitude-modulated non-Gaussian signals for fatigue test. <i>Stroj Vest-J Mech E</i> 70 440-451 (2024) DOI:10.5545/sv-jme.2023.908
Gao, S., Li, Y., Zhang, Y., Ji, S., Wang, J.	Lifespan Evaluation for a Standard RV Reducer based on Fatigue Strength Theory	70, 9-10, 452-565 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2023.897">https://dx.doi.org/10.5545/sv-jme.2023.897</a>	RV reducer; lifespan evaluation; crankshaft bearing; simulation analysis; accelerated test;	Gao, S., Li, Y., Zhang, Y., Ji, S., Wang, J. Lifespan evaluation for a standard RV reducer based on fatigue strength theory. <i>Stroj Vest-J Mech E</i> 70 452-565 (2024) DOI:10.5545/sv-jme.2023.897
Đokić, R., Vladić, J., Jojić, T., Ličen, H.	Analysis of Power Losses and Experimental Method for Determining Resistance in Electric Elevators	70, 9-10, 466-482 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2024.1006">https://dx.doi.org/10.5545/sv-jme.2024.1006</a>	electric elevators; guide rails and driving mechanism resistances; efficiency determination;	Đokić, R., Vladić, J., Jojić, T., Ličen, H. Analysis of power losses and experimental method for determining resistance in electric elevators.

				<i>Stroj Vest-J Mech E</i> 70 466-482 (2024) DOI:10.5545/sv-jme.2024.1006
Shao, Y., Chen, Y., Xiao, X., Zheng, M., He, W.	Design and Stress Analysis of Bevel Line Gears with Vertical Flank Suitable for Micro Machining	70, 9-10, 483-493 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2024.917">https://dx.doi.org/10.5545/sv-jme.2024.917</a>	line gear; bevel gear; meshing theory; stress analysis; micro machining;	Shao, Y., Chen, Y., Xiao, X., Zheng, M., He, W. Design and stress analysis of bevel line gears with vertical flank suitable for micro machining. <i>Stroj Vest-J Mech E</i> 70 483-493 (2024) DOI:10.5545/sv-jme.2024.917
Li, Q., Wang, B., Ma, C., Guan, Q., Shi, H., Xiao, K., Zhang, S.	Study on the Properties of Sinusoidal Micro-Textured Ball End Milling Cutter for Milling Titanium Alloy	70, 9-10, 494-506 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2024.918">https://dx.doi.org/10.5545/sv-jme.2024.918</a>	sinusoidal micro-texture; milling performance of milling tools; milling force; milling temperature; surface roughness of the titanium alloy workpiece; parameter optimization; titanium alloy;	Li, Q., Wang, B., Ma, C., Guan, Q., Shi, H., Xiao, K., Zhang, S. Study on the properties of sinusoidal micro-textured ball end milling cutter for milling titanium alloy. <i>Stroj Vest-J Mech E</i> 70 494-506 (2024) DOI:10.5545/sv-jme.2024.918
Karthik, T., Srinivasan, N., Rajenthirakumar, D., Sridhar, R.	Multi-Response Optimization of Single Point Incremental Forming of Al 6061 Sheet Through Grey-Based Response Surface Methodology	70, 9-10, 507-514 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2023.618">https://dx.doi.org/10.5545/sv-jme.2023.618</a>	grey based RMS; Single point incremental forming; roller ball tool; surface roughness;	Karthik, T., Srinivasan, N., Rajenthirakumar, D., Sridhar, R. Multi-response optimization of single point incremental forming of Al 6061 sheet through grey-based response surface methodology. <i>Stroj Vest-J Mech E</i> 70 507-514 (2024) DOI:10.5545/sv-jme.2023.618
Babič, M., Kovačič, M., Fragassa, C., Šturm, R.	Selective Laser Melting: A Novel Method for Surface Roughness Analysis	70, 7-8, 313-324 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2024.1009">https://dx.doi.org/10.5545/sv-jme.2024.1009</a>	additive manufacturing; selective laser melting; surface roughness; fractal geometry; network theory; genetic programming;	Babič, M., Kovačič, M., Fragassa, C., Šturm, R. Selective laser melting: A novel method for surface roughness analysis. <i>Stroj Vest-J Mech E</i> 70 313-324 (2024) DOI:10.5545/sv-jme.2024.1009
Yan, H., Chang, Q., Niu, H., Wang, G., Zhao, P., He, B.	Analysis and Research on Energy Consumption of a Non-Contact High-Efficiency Tunnel De-Icing Device	70, 7-8, 325-341 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2023.764">https://dx.doi.org/10.5545/sv-jme.2023.764</a>	tunnel engineering; laser de-icing; energy consumption analysis; simulation analysis;	Yan, H., Chang, Q., Niu, H., Wang, G., Zhao, P., He, B. Analysis and research on energy consumption of a non-contact high-efficiency tunnel de-icing device. <i>Stroj Vest-J Mech E</i> 70 325-341 (2024) DOI:10.5545/sv-jme.2023.764
Roy, A., Dhiman, S.K.	Estimation of Surface Temperature and Heat Flux over a Hollow Cylinder and Slab using an Inverse Heat Conduction Approach	70 342-354 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2023.864">https://dx.doi.org/10.5545/sv-jme.2023.864</a>	surface temperature and heat flux; inverse heat conduction; energy balance approach; hollow cylinder and flat plate; derived equations;	Roy, A., Dhiman, S.K. Estimation of surface temperature and heat flux over a hollow cylinder and slab using an inverse heat conduction approach. <i>Stroj Vest-J Mech E</i> 70 342-354 (2024) DOI:10.5545/sv-jme.2023.864
Zagórski, I.	Surface Roughness Evaluation of AZ31B Magnesium Alloy After Rough Milling Using Tools with Different Geometries	70, 7-8, 355-368 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2023.885">https://dx.doi.org/10.5545/sv-jme.2023.885</a>	rough milling; 3D surface roughness; Abbott-Firestone curve; rake angle; helix angle; magnesium alloy;	Zagórski, I. Surface roughness evaluation of AZ31B magnesium alloy after rough milling using tools with different geometries. <i>Stroj Vest-J Mech E</i> 70 355-368 (2024) DOI:10.5545/sv-jme.2023.885
Li, D., Lv, C., Bu, Z., Yan, X., Lan, Z., Cao, L., Si, H.	Dynamic and Phase-Frequency Characteristics of Rotor Instability Induced by Steam Flow Excited Vibration in Seals	70, 7-8, 369-380 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2023.902">https://dx.doi.org/10.5545/sv-jme.2023.902</a>	ultra-supercritical unit; labyrinth seal; steam flow excited vibration; dynamic characteristics; phase-frequency analysis;	Li, D., Lv, C., Bu, Z., Yan, X., Lan, Z., Cao, L., Si, H. Dynamic and phase-frequency characteristics of rotor instability induced by steam flow excited vibration in seals. <i>Stroj Vest-J Mech E</i> 70 369-380 (2024) DOI:10.5545/sv-jme.2023.902
Genc, M.	Cargo E-Bike Robust Speed Control Using an MPC Battery Thermal Lumped Model Approach	70, 7-8, 381-391 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2023.899">https://dx.doi.org/10.5545/sv-jme.2023.899</a>	cargo e-bike; e-micromobility; MPC; road uncertainty; lump thermal model; state-space modeling;	Genc, M. Cargo e-bike robust speed control using an MPC battery thermal lumped model approach. <i>Stroj Vest-J Mech E</i> 70 381-391 (2024) DOI:10.5545/sv-jme.2023.899
Korkmaz, F., Dereli, S., Karayel, D., Kolip, A.	The Use of Heuristic Optimization Techniques on RV Cycloid Reducer Design: A Comparative Study	70, 7-8, 392-402 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2024.921">https://dx.doi.org/10.5545/sv-jme.2024.921</a>	cycloid reducer; finite element analysis; optimization; heuristic algorithm;	Korkmaz, F., Dereli, S., Karayel, D., Kolip, A. The use of heuristic optimization techniques on rv cycloid reducer design: A comparative study. <i>Stroj Vest-J Mech E</i> 70 392-402 (2024) DOI:10.5545/sv-jme.2024.921
Koc, P.	On Experimental Determination of Poisson's Ratio for Rock-like Materials using Digital Image Correlation	70, 5-6, 211-222 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2024.966">https://dx.doi.org/10.5545/sv-jme.2024.966</a>	Poisson's ratio; digital image correlation; strain gauge; rock-like materials; uniaxial compression;	Koc, P. On experimental determination of Poisson's ratio for rock-like materials using digital image correlation. <i>Stroj Vest-J Mech E</i> 70 211-222 (2024) DOI:10.5545/sv-jme.2024.966
Do, A., Chernyaev, A.	The Double-Sided Upsetting of the End Thickenings on Rod Blanks	70, 5-6, 223-230 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2023.550">https://dx.doi.org/10.5545/sv-jme.2023.550</a>	cold forging; upsetting; end thickenings; force; material damageability;	Do, A., Chernyaev, A. The double-sided upsetting of the end thickenings on rod blanks. <i>Stroj Vest-J Mech E</i> 70 223-230 (2024) DOI:10.5545/sv-jme.2023.550
Giljen, Z., Nedeljković, M., Cheng, Y.	The Influence of Pump-Turbine Specific Speed on Hydraulic Transient Processes	70, 5-6, 231-246 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2023.776">https://dx.doi.org/10.5545/sv-jme.2023.776</a>	hydraulic transients; pump-turbine; influence of the specific speed; load rejection; working point trajectory; method of characteristics;	Giljen, Z., Nedeljković, M., Cheng, Y. The influence of pump-turbine specific speed on hydraulic transient processes. <i>Stroj Vest-J Mech E</i> 70 231-246 (2024) DOI:10.5545/sv-jme.2023.776
Li, F., Li, C., Zhou, J., He, J., Wang, J., Luo, C., Li, S.	Effect of Laser Parameters on Surface Texture of Polyformaldehyde and Parameter Optimization	70, 5-6, 247-258 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2023.787">https://dx.doi.org/10.5545/sv-jme.2023.787</a>	picosecond laser processing; parameter optimization; polyformaldehyde (POM);	Li, F., Li, C., Zhou, J., He, J., Wang, J., Luo, C., Li, S. Effect of Laser parameters on surface texture of polyformaldehyde and parameter

			grey-Taguchi analysis method; Prediction model;	optimization. <i>Stroj Vest-J Mech E</i> 70 247-258 (2024) DOI:10.5545/sv-jme.2023.787
Van, A., Nguyen, T., Bui, H., Dang, X., Nguyen, T.	Multi-response Optimization of GTAW Process Parameters in Terms of Energy Efficiency and Quality	70, 5-6, 259-269 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2023.890">https://dx.doi.org/10.5545/sv-jme.2023.890</a>	GTAW; heat input; ultimate tensile strength; micro-hardness; radial basis function network;	Van, A., Nguyen, T., Bui, H., Dang, X., Nguyen, T. Multi-response optimization of gtaw process parameters in terms of energy efficiency and quality. <i>Stroj Vest-J Mech E</i> 70 259-269 (2024) DOI:10.5545/sv-jme.2023.890
Wilk-Jakubowski, J., Wilk-Jakubowski, G., Loboichenko, V.	Experimental Attempts of Using Modulated and Unmodulated Waves in Low-Frequency Acoustic Wave Flame Extinguishing Technology: A Review of Selected Cases	70, 5-6, 270-281 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2023.893">https://dx.doi.org/10.5545/sv-jme.2023.893</a>	acoustic flame extinguishing; firefighting systems; deep neural networks; electrical and mechanical engineering; fire extinguisher; flame suppression;	Wilk-Jakubowski, J., Wilk-Jakubowski, G., Loboichenko, V. Experimental attempts of using modulated and unmodulated waves in low-frequency acoustic wave flame extinguishing technology: A review of selected cases. <i>Stroj Vest-J Mech E</i> 70 270-281 (2024) DOI:10.5545/sv-jme.2023.893
Povše, A., Skale, S., Vojvodić-Tuma, J.	Evaluation of the Condition of the Bottom of the Tanks for Petroleum Products-Forecast of the Remaining Operating Life	70, 5-6, 282-292 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2023.682">https://dx.doi.org/10.5545/sv-jme.2023.682</a>	pitting; storage tank bottom; time-dependent reliability; corrosion model;	Povše, A., Skale, S., Vojvodić-Tuma, J. Evaluation of the condition of the bottom of the tanks for petroleum products-forecast of the remaining operating life. <i>Stroj Vest-J Mech E</i> 70 282-292 (2024) DOI:10.5545/sv-jme.2023.682
Mu, M., Xie, B., Yang, Y.	Research on Attitude Analysis of Hydraulic Support Based on Column Length	70, 5-6, 293-310 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2024.991">https://dx.doi.org/10.5545/sv-jme.2024.991</a>	analysis of hydraulic support attitude; simulation analysis; axis pin connection clearance; hydraulic cylinder stiffness;	Mu, M., Xie, B., Yang, Y. Research on attitude analysis of hydraulic support based on column length. <i>Stroj Vest-J Mech E</i> 70 293-310 (2024) DOI:10.5545/sv-jme.2024.991
Mlakar, U., Koželj, R., Ristić, A., Stritih, U.	Experimental Testing System for Adsorption Space Heating	70, 3-4, 107-115 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2023.788">https://dx.doi.org/10.5545/sv-jme.2023.788</a>	sorption heat storage; space heating; water vapour; humid air; zeolite 13X; zeolite NaYBFK;	Mlakar, U., Koželj, R., Ristić, A., Stritih, U. Experimental testing system for adsorption space heating. <i>Stroj Vest-J Mech E</i> 70 107-115 (2024) DOI:10.5545/sv-jme.2023.788
Wan, Z., Yu, H., Xiao, Y., Zhao, Z., Lian, Z., Chen, F.	Research on the Adaptability of Packers for Integrated String Fracturing Operations in Low Porosity and Low Permeability Reservoirs	70, 3-4, 116-127 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2023.662">https://dx.doi.org/10.5545/sv-jme.2023.662</a>	low porosity and low permeability reservoirs; integrated pipe string; packer rubber ring; acid fracturing; finite element simulation;	Wan, Z., Yu, H., Xiao, Y., Zhao, Z., Lian, Z., Chen, F. Research on the adaptability of packers for integrated string fracturing operations in low porosity and low permeability reservoirs. <i>Stroj Vest-J Mech E</i> 70 116-127 (2024) DOI:10.5545/sv-jme.2023.662
Dong, C., Yang, X., Li, D., Zhao, G., Liu, Y.	Service Performance Optimization and Experimental Study of a New W-W Type Non-circular Planetary Gear Train	70, 3-4, 128-140 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2023.673">https://dx.doi.org/10.5545/sv-jme.2023.673</a>	Non-circular planetary gear train; reversing device; incremental meshing line method; transmission error; indicator diagram;	Dong, C., Yang, X., Li, D., Zhao, G., Liu, Y. Service performance optimization and experimental study of a new W-W type non-circular planetary gear train. <i>Stroj Vest-J Mech E</i> 70 128-140 (2024) DOI:10.5545/sv-jme.2023.673
Zhang, X.	Transient Flow Characteristics of a Pressure Differential Valve with Different Valve Spool Damping Orifice Structures	70, 3-4, 141-158 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2023.691">https://dx.doi.org/10.5545/sv-jme.2023.691</a>	aviation engine lubrication system; pressure differential valve; flow impact; transient flow; valve spool damping orifice;	Zhang, X. Transient flow characteristics of a pressure differential valve with different valve spool damping orifice structures. <i>Stroj Vest-J Mech E</i> 70 141-158 (2024) DOI:10.5545/sv-jme.2023.691
Liu, W., Wu, C., Chen, X.	An Eigenfrequency-Constrained Topology Optimization Method with Design Variable Reduction	70, 3-4, 159-169 (2024) <a href="https://dx.doi.org/10.5545/sv-jme.2023.739">https://dx.doi.org/10.5545/sv-jme.2023.739</a>	Eigenfrequency constraint; topology optimization; bi-directional evolutionary structural optimization; design variable reduction; Lagrange multiplier method;	Liu, W., Wu, C., Chen, X. An eigenfrequency-constrained topology optimization method with design variable reduction. <i>Stroj Vest-J Mech E</i> 70 159-169 (2024) DOI:10.5545/sv-jme.2023.739
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Grabec, I., Sok, N.	Diffusion Equation Generalized for Modeling of Chladni Patterns	69 (5-6), (2023) 284-286, <a href="https://dx.doi.org/10.5545/sv-jme.2022.507">https://dx.doi.org/10.5545/sv-jme.2022.507</a>	Chladni patterns; vibration driven random walk; diffusion process;	Grabec, I., Sok, N. Diffusion equation generalized for modeling of chladni patterns. <i>Stroj Vestn-J Mech E</i> 69 284-286 (2023) DOI:10.5545/sv-jme.2022.507
Wang, Y., Zhang, Y., Wang, Y., Long, R.	Effects of Single/Compound Pit Texture on the Friction-induced Vibration and Noise of Thrust Cylindrical Roller Bearings	69 (3-4), (2023) 87-99, <a href="https://dx.doi.org/10.5545/sv-jme.2022.455">https://dx.doi.org/10.5545/sv-jme.2022.455</a>	thrust cylindrical roller bearings; single/compound pit texture; friction force; wear; friction-induced vibration and noise;	Wang, Y., Zhang, Y., Wang, Y., Long, R. Effects of single/compound pit texture on the friction-induced vibration and noise of thrust cylindrical roller bearings. <i>Stroj Vestn-J Mech E</i> 69 87-99 (2023) DOI:10.5545/sv-jme.2022.455
Duta, A., Popescu, I., Geonea, I., Cretu, S., Sass, L., Popa, D.	Inverse Curves – Research on Two Quondam Inversor Mechanisms	69 (3-4), (2023) 100-118, <a href="https://dx.doi.org/10.5545/sv-jme.2022.396">https://dx.doi.org/10.5545/sv-jme.2022.396</a>	inversor mechanism; kinematic analysis; blocking positions;	Duta, A., Popescu, I., Geonea, I., Cretu, S., Sass, L., Popa, D. Inverse curves – research on two quondam inversor mechanisms. <i>Stroj Vestn-J Mech E</i> 69 100-118 (2023) DOI:10.5545/sv-jme.2022.396
Yu, Q., Li, F., Tan, X.	Influence Analysis and Performance Optimization of a Pneumatic Actuator Exhaust Utilization System	69 (3-4), (2023) 119-134, <a href="https://dx.doi.org/10.5545/sv-jme.2022.266">https://dx.doi.org/10.5545/sv-jme.2022.266</a>	pneumatic system; exhaust utilization; analysis; characteristic; energy saving;	Yu, Q., Li, F., Tan, X. Influence analysis and performance optimization of a pneumatic actuator exhaust utilization system. <i>Stroj Vestn-J Mech E</i> 69 119-134 (2023) DOI:10.5545/sv-jme.2022.266
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Gao, K., Liu, J., Zeng, Q., Cheng, J., Sun, L., Lin, L.	Study on the Dynamic Characteristics of Bit Anchor Cable Drilling in the Gravel Sediments of a Soft Rock Bottom Hole	69 (1-2), (2023) 3-16, <a href="https://dx.doi.org/10.5545/sv-jme.2022.383">https://dx.doi.org/10.5545/sv-jme.2022.383</a>	bit; anchor cable; gravel drilling; dynamic characteristic;	Gao, K., Liu, J., Zeng, Q., Cheng, J., Sun, L., Lin, L. Study on the dynamic characteristics of bit anchor cable drilling in the gravel sediments of a soft rock bottom hole. <i>Stroj Vestn-J Mech E</i> 69 3-16 (2023) DOI:10.5545/sv-jme.2022.383

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