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Authors	Title	volume, issue, pages, year DOI	Key words	Citation style
Govindasamy, M., Mangalakaran Joseph Manuel, L.J., Thamilkolunthu, S.	Corrosion Studies on Post-Weld Heat Treated Dissimilar AISI2205 and AISI310 Joints Using Electrochemical Noise Analysis	71 (1-2), 3–9 https://doi.org/10.5545/sv-jme.2024.1084	AISI2205, AISI310, corrosion, electrochemical impedance spectroscopy, CaCl2	Govindasamy, M., Mangalakaran Joseph Manuel, L.J., Thamilkolunthu, S. Corrosion Studies on Post-Weld Heat Treated Dissimilar AISI2205 and AISI310 Joints Using Electrochemical Noise Analysis *Stroj Vest-J Mech E* 71 3–9 (2025) **DOI:10.5545/sv-jme.2024.1084**
Afsharzadeh, N., Eftekhari Yazdi, M., Mirabdolah Lavasani, A.	Thermal Design and Constrained Optimization of a Fin and Tube Heat Exchanger Using Differential Evolution Algorithm	*71* (1-2), 10–20 https://doi.org/10.5545/sv-jme.2023.887	Fin and tube heat exchanger, Thermal design, Constrained optimization, Differential Evolution (DE) algorithm, Total weight, Total annual cost	Afsharzadeh, N., Eftekhari Yazdi, M., Mirabdolah Lavasani, A. Thermal Design and Constrained Optimization of a Fin and Tube Heat Exchanger Using Differential Evolution Algorithm *Stroj Vest-J Mech E 71* 10–20 (2025) **DOI:10.5545/sv-jme.2023.887**
Krishnasamy, S., Sambasivam, S., Vaiyampalayam Govindaraj, B.	Microstructural and Mechanical Characterization of WAAM-fabricated Inconel 625: Heat Treatment Effects	*71* (1-2), 21–27 https://doi.org/10.5545/sv-jme.2024.986	pneumatically controlled pick-and-place robots, automation, reliability, LabVIEW software, failure analysis	Krishnasamy, S., Sambasivam, S., Vaiyampalayam Govindaraj, B. (2025). Microstructural and Mechanical Characterization of WAAM-fabricated Inconel 625: Heat Treatment Effects *Stroj Vest-J Mech E* 71 21–27 (2025) **DOI:10.5545/sv-jme.2024.986**
Durairaj, S.P.	Quantitative Sequential Modelling Approach to Estimate the Reliability of Computer Controlled Pneumatically Operated Pick-and-Place Robot	*71* (1-2), 28–35 https://doi.org/10.5545/sv-jme.2024.999	pneumatically controlled pick-and-place robots, automation, reliability, LabVIEW software, failure analysis	Durairaj, S.P. Quantitative Sequential Modelling Approach to Estimate the Reliability of Computer Controlled Pneumatically Operated Pick-and-Place Robot *Stroj Vest-J Mech E* 71 28–35 (2025) **DOI: 10.5545/sv-jme.2024.999**
Baralić, J., Petrović Savić, S., Koprivica, B., Đurić, S.	Connection Between the Dynamic Character of the Cutting Force and Machined Surface in Abrasive Waterjet Machining	*71* (1-2), 36–43 https://doi.org/10.5545/sv-jme.2024.1008	abrasive water jet, cutting force, traverse speed, machined surface	Baralić, J., Petrović Savić, S., Koprivica, B., Đurić, S. Connection Between the Dynamic Character of the Cutting Force and Machined Surface in Abrasive Waterjet Machining *Stroj Vest-J Mech E* 71 36–43 (2025) **DOI:10.5545/sv-jme.2024.1008**
Adamczak, S., Gajur, M., Kuźmicki, K.	A Mathematical Model of the Dimensional Chain for a Generation 2 Wheel Hub Unit	*71* (1-2), 44–50 https://doi.org/10.5545/sv-jme.2024.1020	rolling-element bearings, dimensional chain, tolerance formula, axial clearance, wheel hub unit	Adamczak, S., Gajur, M., Kuźmicki, K. A Mathematical Model of the Dimensional Chain for a Generation 2 Wheel Hub Unit *Stroj Vest-J Mech E* 71 44–50 (2025) **DOI:10.5545/sv-jme.2024.1020**
Ayaz Ümütlü, H.C., Kıral, Z., Karadeniz, Z.H.	Numerical and Experimental Investigation of Aspect Ratio Effect on Aerodynamic Performance of NACA 4415 Airfoil Section at Low Reynolds Number	*71* (1-2), 51–57 https://doi.org/10.5545/sv-jme.2024.1155	airfoil, wind tunnel, aspect ratio effect, aerodynamic coefficients, three-component balance, low Reynolds number	Ayaz Ümütlü, H.C., Kıral, Z., Karadeniz, Z.H. Numerical and Experimental Investigation of Aspect Ratio Effect on Aerodynamic Performance of NACA 4415 Airfoil Section at Low Reynolds Number *Stroj Vest-J Mech E* 71 51–57 (2025) **DOI:10.5545/sv-jme.2024.1155**
Manickam, J., Nanjappan, B., Chandrasekaran, N.	Integration of Phase Change Material and Heat Exchanger for Enhanced Solar Desalination – A Comparative Performance Investigation	*71* (1-2), 58–63 https://doi.org/10.5545/sv-jme.2024.949	solar desalination, phase change materials, efficiency enhancement comparative analysis	Manickam, J., Nanjappan, B., Chandrasekaran, N. Integration of Phase Change Material and Heat Exchanger for Enhanced Solar Desalination – A Comparative Performance Investigation *Stroj Vest-J Mech E* , 71 58–63 (2025) **DOI:10.5545/sv-jme.2024.949**

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Ozmen, O., Surmen, H.	Design of 3D Printed Below-Knee Prosthetic – A Finite Element and Topology Optimization Study	70, 11-12, 517-530 (2024) https://dx.doi.org/10.5545/sv-jme.2024.1034	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. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2024.1047	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. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2023.859	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. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2023.900	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. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2024.1072	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. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2024.1033	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. *Stroj Vest-J Mech E* 70 582-594 (2024) **DOI:10.5545/sv-jme.2024.1033**
Manikandaprabu, 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) https://dx.doi.org/10.5545/sv-jme.2024.1076	modified electrode geometry; material removal rate; over cut; heat affected zone; recast layer; analysis of variance;	Manikandaprabu, P., Saravanan, K. Experimental investigation on ss202 using tubular and double d tubular electrode tool in electrical discharge drilling machining. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2024.975	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. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2024.1007	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. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2024.1037	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. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2023.884	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. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2023.908	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. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2023.897	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. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2024.1006	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.

				Stroj Vest-J Mech E 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) https://dx.doi.org/10.5545/sv-jme.2024.917	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. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2024.918	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. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2023.618	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. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2024.1009	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. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2023.764	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. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2023.864	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. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2023.885	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. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2023.902	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. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2023.899	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. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2024.921	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. *Stroj Vest-J Mech E* 70 392-402 (2024) D**OI: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) https://dx.doi.org/10.5545/sv-jme.2024.966	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. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2023.550	cold forging; upsetting; end thickenings; force; material damageability;	Do, A., Chernyaev, A. The double-sided upsetting of the end thickenings on rod blanks. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2023.776	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. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2023.787	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. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2023.890	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. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2023.893	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. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2023.682	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. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2024.991	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. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2023.788	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. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2023.662	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. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2023.673	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. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2023.691	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. *Stroj Vest-J Mech E* 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) https://dx.doi.org/10.5545/sv-jme.2023.739	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. *Stroj Vest-J Mech E* 70 159-169 (2024) **DOI:10.5545/sv-jme.2023.739**
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Kılavuz, F., Goren Kiral, B.	Design Optimization of Mechanical Valves in Dishwashers Based on the Minimization of Pressure Losses	70, 3-4, 194-208 (2024) https://dx.doi.org/10.5545/sv-jme.2023.768	dishwasher; energy-saving; impeller blade design optimization; statistical analysis; artificial neural network;	Kılavuz, F., Goren Kiral, B. Design optimization of mechanical valves in dishwashers based on the minimization of pressure losses. *Stroj Vest-J Mech E* 70 194-208 (2024) **DOI:10.5545/sv-jme.2023.768**
Zupan, S., Kunc, R.	Overview of Principles and Rules of Geometrical Product Specifications According to the Current ISO Standards	70, 1-2, 3-19 (2024) https://dx.doi.org/10.5545/sv-jme.2023.753	ISO standard; geometrical product specification; geometrical dimensioning and tolerancing; principles; rules; size; tolerance; verification;	Zupan, S., Kunc, R. Overview of principles and rules of geometrical product specifications according to the current ISO standards. *Stroj Vest-J Mech E* 70 3-19 (2024) **DOI:10.5545/sv-jme.2023.753**
Li, Z., Di, X., Gao, Z., An, Z., Chen, L., Zhang, Y., Lu, S.	Improvement of the Dimensional Accuracy of a Ti-6Al-4V Ripple Disc During Electric Hot Incremental Sheet Forming	70, 1-2, 20-26 (2024) https://dx.doi.org/10.5545/sv-jme.2023.545	incremental sheet forming; electric hot forming; electrically assisted sizing; edge warpage; ripple disc;	Li, Z., Di, X., Gao, Z., An, Z., Chen, L., Zhang, Y., Lu, S. Improvement of the dimensional accuracy of a Ti-6Al-4V ripple disc during electric hot incremental sheet forming. *Stroj Vest-J Mech E* 70 20-26 (2024) **DOI:10.5545/sv-jme.2023.545**

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Adıyaman, O.	Investigation on the Application of Worn Cutting Tool Inserts as Burnishing Tools	70, 1-2, 92-102 (2024) https://dx.doi.org/10.5545/sv-jme.2023.781	deep rolling; ball burnishing; microhardness; tribology; surface roughness;	Adıyaman, O. Investigation on the application of worn cutting tool inserts as burnishing tools. *Stroj Vest-J Mech E* 70 92-102 (2024) **DOI:10.5545/sv-jme.2023.781**

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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, https://dx.doi.org/10.5545/sv-jme.2022.396	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. *Stroj Vestn-J Mech E* 69 100-118 (2023) **DOI:10.5545/sv-jme.2022.396**
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Derbal, D., Bouzit, M., Mokhefi, A., Bouzit, F.	Effect of the Curvature Angle in a Conduit with an Adiabatic Cylinder over a Backward Facing Step on the Magnetohydrodynamic Behaviour in the Presence of a Nanofluid	69 (3-4), (2023) 135-154, https://dx.doi.org/10.5545/sv-jme.2022.239	forced convection; backward-facing step; curved conduit; fixed cylinder; ferrofluid; finite element method; magnetohydrodynamic;	Derbal, D., Bouzit, M., Mokhefi, A., Bouzit, F. Effect of the curvature angle in a conduit with an adiabatic cylinder over a backward facing step on the magnetohydrodynamic behaviour in the presence of a nanofluid. *Stroj Vestn-J Mech E* 69 135-154 (2023) **DOI:10.5545/sv-jme.2022.239**
Le, M., Le Van, A., Nguyen, T.	Impacts of Burnishing Variables on the Quality Indicators in a Single Diamond Burnishing Operation	69 (3-4), (2023) 155-168, https://dx.doi.org/10.5545/sv-jme.2022.303	Single diamond burnishing; Average roughness; Vickers hardness; Bayesian regularization; NSGA-G;	Le, M., Le Van, A., Nguyen, T. Impacts of burnishing variables on the quality indicators in a single diamond burnishing operation. *Stroj Vestn-J Mech E* 69 155-168 (2023) DOI:10.5545/sv-jme.2022.303
Venkata Ramana, M., Thyla, P., Subramanian, E., Chinnuraj, S.	Thermal Investigations on a CNC Lathe Fitted with a Dynamically Enhanced Steel-Reinforced Epoxy Granite Bed	69 (3-4), (2023) 169-184, https://dx.doi.org/10.5545/sv-jme.2022.356	precision machine tools; thermal error; steel reinforcement; epoxy granite;	Venkata Ramana, M., Thyla, P., Subramanian, E., Chinnuraj, S. Thermal investigations on a CNC lathe fitted with a dynamically enhanced steel-reinforced epoxy granite bed. *Stroj Vestn-J Mech E* 69 169-184 (2023) **DOI:10.5545/sv-jme.2022.356**
Zhang, W., Ge, Z., Li, D.	Design of a Self-Folding Composite Variable-Diameter Wheel Structure based on 4D Printing Technology	69 (3-4), (2023) 185-195, https://dx.doi.org/10.5545/sv-jme.2022.359	self-folding; smart materials; 4D printing; variable diameter wheel;	Zhang, W., Ge, Z., Li, D. Design of a self-folding composite variable-diameter wheel structure based on 4D printing technology. *Stroj Vestn-J Mech E* 69 185-195 (2023) **DOI:10.5545/sv-jme.2022.359**
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, https://dx.doi.org/10.5545/sv-jme.2022.383	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. *Stroj Vestn-J Mech E* 69 3-16 (2023) DOI:10.5545/sv-jme.2022.383

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Wang, G., Zhu, K., Wang, L., Yang, J., Bo, L.	Influence of the Side Branch Structure Pattern of the Imitation Cat's Claw Function on the Vibration and Noise of Tires	69 (1-2), (2023) 49-60, https://dx.doi.org/10.5545/sv-jme.2022.415	bionics; vibration damping mechanism; vibration noise; tread pattern; structural design;	Wang, G., Zhu, K., Wang, L., Yang, J., Bo, L. Influence of the side branch structure pattern of the imitation cat's claw function on the vibration and noise of tires. *Stroj Vestn-J Mech E* 69 49-60 (2023) **DOI:10.5545/sv-jme.2022.415**
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