

Seznam literatury

Seznam literatury podle šablony ČSN ISO 690

- [1] KARBAN, P., MACH, F., DOLEŽEL, I. Modeling of rotational induction heating of nonmagnetic cylindrical billets. *Applied Mathematics and Computation*, 2013, roč. 219, č. 13, s. 7170-7180. ISSN: 0096-3003
- [2] KARBAN, P., MACH, F., DOLEŽEL, I. Higher-Order Finite Element Modeling with Curvilinear Elements. In *IC - SPETO 2011*. 2011. ISBN: 978-83-85940-33-3
- [3] KARBAN, P., MACH, F., DOLEŽEL, I. Hard-coupled model of induction heating of cylindrical nonmagnetic billets rotating in system of permanent magnets. *Przeglad Elektrotechniczny*, 2011, roč. 87, č. 12 B, s. 78-81. ISSN: 0033-2097
- [4] KARBAN, P., MACH, F., DOLEŽEL, I., JERZY, B. Higher-order finite element modeling of rotational induction heating of nonferromagnetic cylindrical billets. *COMPEL-THE INTERNATIONAL JOURNAL FOR COMPUTATION AND MATHEMATICS IN ELECTRICAL AND ELECTRONIC ENGINEERING*, 2011, roč. 30, č. 5, s. 1517-1527. ISSN: 0332-1649
- [5] DOLEZEL, I., KARBAN, P., MACH, F., ULRYCH, B. Advanced adaptive algorithms in finite element method of higher order of accuracy. In *Proceedings of the Joint 3rd International Workshop on Nonlinear Dynamics and Synchronization, INDNS'11 and 16th International Symposium on Theoretical Electrical Engineering, ISTET'11*. Klagenfurt: University of Klagenfurt, 2011. s. 1-4. ISBN: 978-1-4577-0759-9
- [6] KARBAN, P., MACH, F., DOLEŽEL, I. Processing of Solid Metals Based on Thermal Effects of Electromagnetic Field and Its Numerical Modeling. In *IC - SPETO 2012*. 2012. ISBN: 978-83-85940-34-0
- [7] MACH, F. Rotační indukční ohřev nemagnetických válcových ingotů ve stacionárním magnetickém poli vybuzeném permanentními magnety. In *Elektrotechnika a informatika*. 2011. ISBN: 978-80-261-0016-4
- [8] MACH, F., KŮS, P., KARBAN, P., DOLEŽEL, I. Optimized Arrangement of Device for Electrostatic Separation of Plastic Particles. In *ELEKTRO 2012*. 2012. s. 431-434. ISBN: 978-1-4673-1178-6
- [9] MACH, F., KARBAN, P., DOLEŽEL, I. Induction heating of cylindrical nonmagnetic ingots by rotation in static magnetic field generated by permanent magnets. *JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS*, 2012, roč. 236, č. 18, s. 4732-4744. ISSN: 0377-0427
- [10] KARBAN, P., MACH, F., DOLEŽEL, I. Hard-coupled model of local direct resistance heating of thin sheets. *JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS*, 2012, roč. 236, č. 18, s. 4725-4731. ISSN: 0377-0427
- [11] MACH, F., KARBAN, P. Fully adaptive higher-order finite element model of electric field near high-voltage insulator for outdoor use. *Przeglad Elektrotechniczny*, 2012, roč. 88, č. 7b, s. 217-219. ISSN: 0033-2097
- [12] MACH, F., KARBAN, P., DOLEŽEL, I. Higher-Order Finite Element Particle Tracing in External Electrostatic Field. In *ZKwE 2012*. 2012.
- [13] MACH, F., KŮS, P., KARBAN, P., DOLEŽEL, I. Higher-Order Finite Element Simulation of Device for Electrostatic Separation of Plastic Particles. In *IC - SPETO 2012*. Gliwice: Politechnika Śląska, 2012. s. 49-50. ISBN: 978-83-85940-34-0
- [14] KARBAN, P., MACH, F., DOLEŽEL, I. Hard-coupled nonlinear model of induction heating of nonmagnetic cylindrical billets in rotation. *COMPEL-THE INTERNATIONAL JOURNAL FOR COMPUTATION AND MATHEMATICS IN ELECTRICAL AND ELECTRONIC ENGINEERING*, 2012, roč. 31, č. 5, s. 1368-1378. ISSN: 0332-1649
- [15] MUSÁLEK, L., MACH, F., KARBAN, P., DOLEŽEL, I. Induction Heating of Nonmagnetic Cylindrical Billets in Magnetic Field Produced by Rotating Permanent Magnets. In *IC - SPETO 2012*. 2012.
- [16] MACH, F. Higher-Order Finite Element Method Based Simulation of Induction Heating of Nonmagnetic Cylindrical Billets Rotating in a System of Static Permanent Magnets. In *Proceedings of the 16th International Scientific Student Conference POSTER 2012*. Czech Technical University in Prague, 2012. s. 1-4. ISBN: 978-80-01-05043-9
- [17] KARBAN, P., MACH, F., KŮS, P. *Electrostatic and current module for universal program Agros2D*. 2012.
- [18] KARBAN, P., KŮS, P., MACH, F. *Magnetic module for universal program Agros2D*. 2012.
- [19] KARBAN, P., MACH, F., KŮS, P. *Temperature module for universal program Agros2D*. 2012.
- [20] KARBAN, P., MACH, F., ŠTARMAN, V. *Indukční ohřev hliníkového válce rotujícího ve stacionárním magnetickém poli*. 2012.
- [21] MACH, F., KARBAN, P., KŮS, P., PÁNEK, D. *FSPM motor*. 2012.
- [22] MACH, F., ŠTARMAN, V., KARBAN, P. *Triboelectrostatic separator for plastic materials*. 2012.
- [23] KARBAN, P., MACH, F. *PythonLab*. 2012.
- [24] MACH, F., KŮS, P., KARBAN, P., DOLEŽEL, I. Optimalizace elektrostatického separátoru plastových částic. In *Elektrotechnika a informatika 2012. Část I. Elektrotechnika*. Plzeň: Západočeská univerzita v Plzni, 2012. s. 67-70. ISBN: 978-80-261-0120-8
- [25] KARBAN, P., MACH, F., KŮS, P. *Tracing the movement of charged particles in an electromagnetic field*. 2012.
- [26] MACH, F., KŮS, P., KARBAN, P., DOLEŽEL, I. Modeling of triboelectric separation of plastic particles in electric field. In *Computer Applications in Electrical Engineering*. Poznan: PUT, 2012. s. 1-9. ISBN: 978-83-7775-232-6 , ISSN: 1508-4248
- [27] KACEROVSKÝ, J., ŠTARMAN, V., MACH, F., JANSA, J. Numerical Modeling of Triboelectrostatic Separator and its Experimental Verification. In *POSTER 2013*. Praha: Czech Technical University in Prague, 2013. s. "PE13-1"-"PE13-4". ISBN: 978-80-01-05242-6
- [28] ŠTARMAN, V., KACEROVSKÝ, J., MACH, F., KARBAN, P., DOLEŽEL, I. Experimental Study of Triboelectric Separator for Mixture of Plastic Particles. In *ISTET 2013 : international symposium on theoretical electrical engineering*. Pilsen: University of West Bohemia, 2013. s. "I-33"- "I-34". ISBN: 978-80-261-0246-5
- [29] KARBAN, P., MACH, F., DOLEŽEL, I. Advanced adaptive algorithms in 2D finite element method of higher order of accuracy. *COMPEL-THE INTERNATIONAL JOURNAL FOR COMPUTATION AND MATHEMATICS IN ELECTRICAL AND ELECTRONIC ENGINEERING*, 2013, roč. 32, č. 3, s. 834-849. ISSN: 0332-1649
- [30] MACH, F., PÁNEK, D., DOLEŽEL, I., KARBAN, P., KŮS, P. Optimization of PPMT Machine Using Higher-Order Finite Element Method. In *The 15th International Conference on Electrical Machines and Systems : proceedings*. Piscataway: IEEE, 2012. s. 1-4. ISBN: 978-4-88686-077-4
- [31] MACH, F., KŮS, P., KARBAN, P., DOLEŽEL, I. High-Order Modeling of Electrostatic Separator of Plastic Particles. *Przeglad Elektrotechniczny*, 2012, roč. 88, č. 12b, s. 74-76. ISSN: 0033-2097
- [32] KARBAN, P., MACH, F., KŮS, P., PÁNEK, D., DOLEŽEL, I. Numerical solution of coupled problems using code Agros2D. *COMPUTING*, 2013, roč. 95, č. 1, s. 381-408. ISSN: 0010-485X
- [33] MACH, F., KŮS, P., KARBAN, P., DOLEŽEL, I. Optimization of the system for induction heating of nonmagnetic cylindrical billets in rotating magnetic field produced by permanent magnets. *COMPUTING*, 2013, roč. 95, č. 1, s. 537-552. ISSN: 0010-485X
- [34] MACH, F., KŮS, P., KARBAN, P., DOLEŽEL, I. Separation of plastic particles in electrostatic field produced by electrodes of optimized shape. *Comunications*, 2013, roč. 15, č. 2A, s. 40-45. ISSN: 1335-4205
- [35] DOLEŽEL, I., MUSÁLEK, L., MACH, F., KARBAN, P. Induction heating of cylindrical billets in magnetic field produced by permanent magnets: Simulation and experiments]. *Przeglad Elektrotechniczny*, 2013, roč. 89, č. 3A, s. 250-252. ISSN: 0033-2097
- [36] MACH, F., KŮS, P., KARBAN, P., DOLEŽEL, I. Higher-order modeling of electrostatic separator of plastic particles. *Przeglad Elektrotechniczny*, 2012, roč. 88, č. 12B, s. 74-76. ISSN: 0033-2097
- [37] KŮS, P., MACH, F., KARBAN, P., DOLEŽEL, I. Genetic algorithms for multicriteria shape optimization of induction furnace. In *AIP Conference Proceedings*. Melville: American Institute of Physics Inc., 2012. s. 2344-2347. ISBN: 978-0-7354-1091-6 , ISSN: 0094-243X
- [38] ŠTARMAN, V., KACEROVSKÝ, J., MACH, F., KARBAN, P., DOLEŽEL, I. Impact of Humidity on Efficiency of Triboelectric Separator for Mixture of Plastic. In *CPEE - AMTEE 2013*. Plzeň: Západočeská univerzita v Plzni, 2013. s. IV-4. ISBN: 978-80-261-0247-2

Seznam literatury

- [39] MACH, F., KARBAN, P., KŮS, P., KOROUS, L. Calculation of Force Acting on the Armature of Electromagnetic Actuator. In *CPEE - AMTEE 2013*. Plzeň: Západočeská univerzita v Plzni, 2013. s. I-2. ISBN: 978-80-261-0247-2
- [40] MACH, F., KŮS, P., KARBAN, P., DOLEŽEL, I. Mathematical modelling of direct current corona discharge problems in air. In *CPEE - AMTEE 2013 : proceedings*. Plzeň: Západočeská univerzita v Plzni, 2013. s. VIII-2. ISBN: 978-80-261-0247-2
- [41] MACH, F., ŠTARMAN, V., KARBAN, P., DOLEŽEL, I., KŮS, P. Finite-Element 2-D Model of Induction Heating of Rotating Billets in System of Permanent Magnets and its Experimental Verification. *IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS*, 2014, roč. 61, č. 5, s. 2584-2591. ISSN: 0278-0046
- [42] MACH, F. Matematický model korónového výboje ve vzduchu. In *Elektrotechnika a informatika 2013. Část I., Elektrotechnika*. Plzeň: Západočeská univerzita v Plzni, 2013. s. 81-82. ISBN: 978-80-261-0233-5
- [43] KARBAN, P., DOLEŽEL, I., MACH, F., ULRYCH, B. Advanced Adaptive Algorithms in 2D Finite Element Method of Higher Order of Accuracy. In *Selected Topics in Nonlinear Dynamics and Theoretical Electrical Engineering*. Heidelberg: Springer, 2013. s. 293-309. ISBN: 978-3-642-37780-8 , ISSN: 1860-949X
- [44] KARBAN, P., MACH, F., DOLEŽEL, I. Hard-coupled model of local direct resistance heating of thin sheets. In *Proceedings of 12th International Scientific Conference ELECTRIC POWER ENGINEERING 2011*. Ostrava: Vysoká škola báňská - Technická univerzita Ostrava, 2011. s. 1-4. ISBN: 978-80-248-2393-5
- [45] KARBAN, P., KŮS, P., MACH, F. *OptiLab - multiobjective optimization toolbox*. 2013.
- [46] MACH, F., ADAM, L., KACEROVSKÝ, J., KARBAN, P., DOLEŽEL, I. Evolutionary algorithm-based multi-criteria optimization of triboelectrostatic separator. *Journal of Computational and Applied Mathematics*, 2014, roč. 270, č. 9583, s. 134-142. ISSN: 0377-0427
- [47] KACEROVSKÝ, J., MACH, F., NIKOLAYEV, D., KARBAN, P., DOLEŽEL, I. Estimation of Charges and Critical Velocity of Plastic Particles in Triboelectric Separator. In *10th International Conference ELEKTRO 2014*. Žilina: University of Žilina, Faculty of Electrical Engineering, 2014. s. 575-579. ISBN: 978-1-4799-3721-9
- [48] KACEROVSKÝ, J., KRPAL, O., MACH, F. Measured and Simulated Distributions of Voltage and Temperature along Stator Coils of Synchronous Generator. In *CPEE 2014*. Žilina: University of Žilina, Faculty of Electrical Engineering, 2014. s. 58. ISBN: 978-80-554-0910-8
- [49] SLOBODNÍK, K., KARBAN, P., MACH, F., DOLEŽEL, I. Induction heating of rotating cylindrical nonmagnetic billets with prescribed temperature profile. In *Proceedings of IECON 2014 : 40th Annual Conference of the IEEE Industrial Electronics Society*. Piscataway: IEEE, 2014. s. 3233-3239. ISBN: 978-1-4799-4033-2 , ISSN: 1553-572X
- [50] MACH, F., KUTHANOVÁ, J., MIZEROVÁ, K., KARBAN, P., KŮS, P., DOLEŽEL, I., POLANSKÝ, R. Model-based determination of nonlinear material parameters of metals with low melting points. In *Proceedings of IECON 2014 : 40th Annual Conference of the IEEE Industrial Electronics Society*. Piscataway: IEEE, 2014. s. 1053-1059. ISBN: 978-1-4799-4033-2 , ISSN: 1553-572X
- [51] KARBAN, P., MACH, F., DOLEŽEL, I. Latest trends in solving multiphysics problems. *International Compumag Society Newsletter*, 2014, roč. 21, č. 3, s. 3-14. ISSN: 1026-0854
- [52] DI BARBA, P., DOLEŽEL, I., KARBAN, P., KŮS, P., MACH, F., MOGNASCHI, M. E., SAVINI, A. Multiphysics field analysis and multiobjective design optimization : a benchmark problem. *Inverse Problems in Science and Engineering*, 2014, roč. 22, č. 7, s. 1214-1225. ISSN: 1741-5977
- [53] MACH, F., KARBAN, P., DOLEŽEL, I., ŠÍMA, P., JELÍNEK, Z. Model of induction heating of rotating non-magnetic billets and its experimental verification. *IEEE Transactions on Magnetics*, 2014, roč. 50, č. 2, s. 0-4. ISSN: 0018-9464
- [54] MACH, F. Numerical study of novel bearing-less electromagnetic actuator in valve operation. In *Elektrotechnika a informatika 2014. Část I., Elektrotechnika*. Plzeň: Západočeská univerzita v Plzni, 2014. s. 73-76. ISBN: 978-80-261-0367-7
- [55] KACEROVSKÝ, J., KRPAL, O., MACH, F. Simulation of Voltage and Temperature Distributions in End Part of Windings of Synchronous Generator. In *Elektrotechnika a informatika 2014. Část I., Elektrotechnika*. Plzeň: Západočeská univerzita v Plzni, 2014. s. 57-60. ISBN: 978-80-261-0367-7
- [56] MACH, F., KARBAN, P., KROPÍK, P. *Systém pro distribuované výpočty v aplikaci Agros2D*. 2014.
- [57] MACH, F., KARBAN, P., DOLEŽEL, I. Design of novel bearing-less electromagnetic actuator in valve operation. In *Proceedings of the 14th International Symposium on Magnetic Bearings (ISMB 2014)*. Linz: Linz Center of Mechatronics GmbH, 2014. s. 416-420. ISBN: neuvedeno
- [58] KARBAN, P., MACH, F., KŮS, P., KOROUS, L., DOLEŽEL, I. Code Agros2D and possibilities of its use for modeling and design of magnetic bearings. In *Proceedings of the 14th International Symposium on Magnetic Bearings (ISMB 2014)*. Linz: Linz Center of Mechatronics GmbH, 2014. s. 251-256. ISBN: neuvedeno
- [59] MACH, F., NOVÝ, I., KARBAN, P., DOLEŽEL, I. Shape optimization of electromagnetic actuators. In *Elektro 2014*. Piscataway: IEEE, 2014. s. 595-598. ISBN: 978-1-4799-3721-9