

Lista lucrărilor științifice

1. *Vector Control of the Induction Motor for Operation in the Extended Speed Range*, C. Apostoiaia, M. Cernat, T.E. Manea, **S. Motoașcă**, R.M. Cernat, S. Moraru - PEMC 2000, Kosice, Slovak Republic, Sept. 5-7, 2000.
2. *Modeling and Simulation of the Feedback Loop for a Field-Oriented Control of the Asynchronous Machine*, C. Apostoiaia M. Cernat, T.E. Manea, **S. Motoașcă**, R.M. Cernat – PCIM2001 EUROPE Official Proceedings of 43th International Power Electronics Conference June 19-21 Nürnberg, Germany pp 573-578, 2001.
3. *Magnetic Measurements*, **S. Motoașcă**, J. Fuzi, 5th International Symposium on Hysteresis Modeling and Micromagnetics – HMM 2005 Budapesta TP5-11 pp. 195-196, 2005.
4. *Dynamic Magnetization of Soft Magnetic Materials*, **S. Motoașcă**, E. Helerea, 5th International Symposium on Hysteresis Modeling and Micromagnetics – HMM 2005 Budapesta TP5-13 pp. 199-200, 2005
5. *Computer Aided Magnetic Measurements*, **S. Motoașcă**, Pecs, First PhD Symposium, 20-22 Octombrie, 2005.
6. *Computer Aided Magnetic Measurements Of Soft Magnetic Materials*, **S. Motoașcă**, Buletin of Transilvania University of Brasov, 2005, pp. 401-406.
7. *Study of Cold Rolled Nonoriented Grain Silicon Steel M800-65A*, **S. Motoașcă**, M. Antonoaie, E. Helerea, IEEE ROMSC 2007, Iasi, 26-29 Mai 2007.
8. *Computer Aided Magnetic Measurements of Soft Magnetic Materials and Hysteresis Modeling*, **S. Motoasca**, A. Nicolaide, E. Helerea, IEEE ROMSC 2007, Iasi, 26-29 Mai 2007.
9. *Computer Aided Magnetic Measurements of Soft Magnetic Materials and Hysteresis Modeling*, **S. Motoasca**, A. Nicolaide, E. Helerea, 5th International Symposium on Hysteresis Modeling and Micromagnetics – HMM 2007, Naples, June 4-6, 2007 Italy

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10. *New Analytical Method for Hysteresis Modelling Using Labview*, S. Motoasca, A. Nicolaide, E. Helerea, T.E. Motoasca, Buletin of Transilvania University of Brasov, 2008, pp. 357-360.
11. *Simple Analytical Method for Hysteresis Modelling using LabVIEW*, S. Motoasca, A. Nicolaide, E. Helerea, Joint International Conference, Materials for Electrical Engineering, MMDE 2008, Bucharest Romania. Bucharest, Romania June 16th – 17th, 2008
12. *Simple Analytical Method for Hysteresis Modelling using LabVIEW*, S. Motoasca, A. Nicolaide, E. Helerea, Journal of Optoelectronics and Advanced Materials, Vol. 10, No. 7, 2008, pp.1847-1852.
13. *Frequency Influence on FeSi Magnetic Sheets*, E. Helerea, I. D. Oltean, S. Motoasca, D. Calin, V. Luca, BRAMAT 2009.
14. *Analytical Method for Hysteresis Modelling of Soft Magnetic Materials*, S.Motoasca, A. Nicolaide, E. Helerea, G. Scutaru, IECON 2009, Porto, Portugalia,
15. *Improved Evaluation of Losses in Soft Magnetic Materials*, S. Motoasca, E. Helerea, I. D. Oltean, G. Scutaru, Buletin of Transilvania University of Braşov, 2009, pp. 299-302
16. *Analytical Method for Hysteresis Modelling of Soft Magnetic Materials*, S.Motoasca, A. Nicolaide, E. Helerea, G. Scutaru, OPTIM 2010, 12th International Conference on Power Electronics and Electrical Engineering, Braşov, Romania
17. *Hysteresis Modelling of Soft Magnetic Materials using LabVIEW Programs*, S.Motoasca, G. Scutaru, Advances in Electrical and Computer Engineering ISSN: 1582-7445 e-ISSN: 1844-7600 doi: 10.4316/aece www.aece.ro www.aece.eu ISI Impact Factor: 0.509
18. *SIMPLE ANALYTICAL METHOD FOR HYSTERESIS MODELLING USING LABVIEW*, S.Motoasca, A. Nicolaide, E. Helerea, Revue roumaine des sciences techniques Série Électrotechnique et Énergétique Publisher : Romanian Academy, Publishing House of the Romanian Academy Format : print and electronic ISSN: 0035-4066 Number of issues/year: 4
19. *Hysteresis Modelling Using a New Analytical Model Implemented in LabVIEW*, S.Motoasca, G. Scutaru, A. Negoită, R. Ionescu, World Academy of Science, Engineering and Technology PP. 1005-1009, ISSN 2010-3778, 2011
20. *Soft magnetic materials hysteresis modelling using a new analytical model implemented in LabVIEW*, S.Motoasca, G. Scutaru, A. Negoită, R. Ionescu, IEEE- Magnetics Society- 20th Soft Magnetic Materials Conference 2011, SMM 2011, Kos Island,

ut

21. *Hysteresis Modelling using LabVIEW VI's*, S.Motoasca, G. Scutaru, Remote Engineering and Virtual Instrumentation, REV2011, Brasov, Romania
22. *LabVIEW modeling of frequency dependence of power losses in soft magnetic materials*, S.Motoasca, Optimization of Electrical and Electronic Equipment (OPTIM), 2012 13th International Conference
23. *LabVIEW Modeling of Power Losses in Soft Magnetic Materials*, S.Motoasca, L.M. Lungoci, D. Sorea ,ISFEE 2014, Bucuresti, Romania
24. *LabVIEW used for Modelling of Hysteresis for Soft Magnetic Materials*, S.Motoasca, DAS 2014, Suceava, Romania
25. *Improved Analytical Method for Hysteresis Modelling of Soft Magnetic Materials*, S.Motoasca, G. Scutaru, C. Gerigan, ACEMP-OPTIM-ELECTROMOTION 2015 JOINT CONFERENCE, SIDE – TURKEY
26. *LabVIEW Preisach function estimation using measured major hysteresis cycle*, S.Motoasca, 2017 INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT (OPTIM) & 2017 INTL AEGEAN CONFERENCE ON ELECTRICAL MACHINES AND POWER ELECTRONICS (ACEMP)