

Publicații ISI:

1. L. Marinescu, V. Zoran, S. Dobrescu, G. Pascovici, G. Semenescu, G. Mărmureanu, H. Sandi, **T. Sireteanu**, *A concept for earthquake protection of the Bucharest tandem accelerator*, Nuclear Instr. and Met. in Phys.Res., vol. A 287, 1990, pag. 127-131.
2. L. Marinescu, G. Pascovici, V. Zoran, R. Dumitrescu, **T. Sireteanu**, E. Iordănescu, I. Filimon, A. Winkler, *Earthquake protection and other improvements to the Bucharest FN tandem accelerator*, Nuclear Instr. and Met.in Phys.Res., vol. A 328, 1993, pag. 90-96.
3. C.W. Stammers, **T. Sireteanu**, *Vibration control of machines by use of semi-active dry friction*, Journal of Sound and Vibration, vol. 209(4), 1998, pag. 671-684.
4. I. Ursu, G. Tecuceanu, F. Ursu, **T. Sireteanu**, M. Vladimirescu, *From robust control to antiwindup compensation of electrohydraulic servo actuators*, Aircraft Engineering and Aerospace Technology, vol. 70(4), 1998, pag. 259-264.
5. C.W. Stammers, **T. Sireteanu**, *Control of building seismic response by means of three semi-active friction dampers*, Journal of Sound and Vibration, vol. 237(5), 2000, pag. 745-759.
6. C. Chiroiu, P.P. Delsanto, M. Scalerandi, V. Chiroiu, **T. Sireteanu**, *Subharmonic generation in piezoelectrics with Cantor- like structure*, Journal of Physics D: Applied Physics, vol. 34, 2001, pag. 1579-1586.
7. M. Giuclea, T. Sireteanu, D. Stăncioiu, C.W. Stammers, *Model parameter identification for vehicle vibration control with magnetorheological dampers using computational intelligence methods*, Pro. Instn. Mech. Engers., Part I: J.Systems and Control Engineering, vol. 218(17), 2004, pag. 569-581.
8. E. Guglielmino, C.W. Stammers, D. Stăncioiu, **T. Sireteanu**, R. Ghigliaza, *Hibrid variable structure control of a magnetorheological damper for a seat suspension*, Int. J. Vehicle Systems, vol. 3(1), 2005, pag. 34-46.
9. E. Guglielmino, C.W. Stammers, **T. Sireteanu**, D. Stăncioiu, *Conventional and non-conventional smart damping systems for ride control*, Int. J. Vehicle Systems, vol. 3(2-4), 2005, pag. 216-229.
10. **T. Sireteanu**, A.M. Mitu, Gh. Ghiță, V. Șerban, *Modification of the building dynamic response due to structural damaging during strong earthquakes*, Proc. Ro. Acad. Series A, vol. 7(2), 2006, pag. 143-151.
11. **T. Sireteanu**, M. Giuclea, A.M. Mitu, *An analytical approach for approximation of experimental hysteretic loops by Bouc-Wen model*, Proc. Ro. Acad. Series A, vol. 10(1), 2009.
12. **T. Sireteanu**, I. Sebeșan, D. Baldovin, *The influence of damping characteristics on the stabilisation control of railway vehicle wheelset*, Proc. Ro. Acad. Series A, vol. 11(4), 2010, pag. 355-362.
13. **T. Sireteanu**, M. Giuclea, A.M. Mitu, *Identification of an extended Bouc-Wen model with application to seismic protection through hysteretic devices*, Computational Mechanics, vol. 45, 2010, pag. 431-441.
14. **T. Sireteanu**, M. Giuclea, O. Solomon, *Analytical methods to assess linear models for experimental hysteretic loops*, Proc. Ro. Acad. Series A, vol. 12(1), 2011, pag. 39-46.
15. **T. Sireteanu**, S. Năstac, M. Picu, *Structural and behaviour optimization of the nonlinear Hill model*, Proc. Ro. Acad. Series A, vol. 12(3), 2011, pag. 213-220.
16. **T. Sireteanu**, M. Giuclea, A.M. Mitu, Gh. Ghiță, *A Genetic Algorithms method for fitting the generalized Bouc-Wen model to experimental asymmetric hysteretic loops*, ASME Journal of Vibration and Acoustics, vol. 134(4), 2012, art. 041007.

17. **T. Sireteanu**, A.-M. Mitu, M. Giuclea, O. Solomon, D. Stefanov, *Analytical method for fitting the Ramberg-Osgood model to given hysteresis loops*, Proceedings of the Romanian Academy, Series A, vol. 15(1), January-March 2014, pag. 35-42.
18. L. Munteanu, V. Chiroiu, C. Brișan, D. Dumitriu, **T. Sireteanu**, S. Petre, *On the 3D normal tire/off-road vibro-contact problem with friction*, Mechanical Systems and Signal Processing, vol. 54-55, 2015, pag. 377-393.
19. V. Chiroiu, M.F. Ionescu, **T. Sireteanu**, R. Ioan, L. Munteanu, *On intrinsic time measure in the modeling of cyclic behavior of a Nitinol cubic block*, Smart Materials and Structures, vol. 24(3), 2015, art. 035022.
20. **T. Sireteanu**, A.-M. Mitu, M. Giuclea, O. Solomon, *A comparative study of the dynamic behavior of Ramberg-Osgood and Bouc-Wen hysteresis models with application to seismic protection devices*, Engineering Structures, vol. 76, 2014, pag. 255-269.
21. A.M. Mitu, **T. Sireteanu**, M. Giuclea, O. Solomon, *Simulation of wide-sense stationary random time-series with specified spectral densities*, Journal of Vibration and Acoustics vol. 138(3), 2016, art. 031011.
22. A.M. Mitu, **T. Sireteanu**, M. Giuclea, O. Solomon, *Statistical linearization of hysteretic systems described by the Ramberg-Osgood model*, Journal of Engineering Mechanics, vol. 142(9), 2016, art. 04016066.
23. M. Baubec, **T. Sireteanu**, H. Popescu, *Full weak uniqueness time-dependent Mindlin theory for plates*, European Journal of Mechanics A/Solids, vol. 58, 2016, pag. 211-220.
24. **T. Sireteanu**, O. Solomon, A.-M. Mitu, M. Giuclea, *A linearization method of piecewise linear systems based on frequency domain characteristics with application to semi-active control of vibration*, Journal of Vibration and Acoustics, vol. 140(6), 2018, art. 061006.
25. **T. Sireteanu**, A.-M. Mitu, A.-I. Niculescu, M. Kowalski, A. Jankowski, *Condition monitoring of vehicle dampers using shock excitation*, Proc. Ro. Acad. Series A, vol. 20(1), 2019, pag. 87-96.