



MONOGRAPHS

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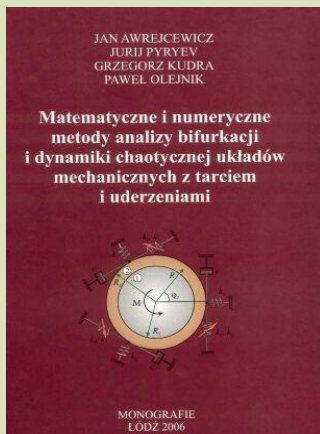
Mathematical and Numerical Methods of Analysis of Bifurcation and Chaotic Dynamics of Mechanical Systems with Friction and Impacts

(with Yu. Pyryev, G. Kudra and P. Olejnik)

TUL Press, Lodz, 2006

monograph, 110 pages, ISBN 83-7283-173-4, in Polish

SUMMARY



This monograph focuses on the introduction on theoretical background, modeling and numerical simulation devoted to analysis of bifurcational and chaotic dynamics of mechanical systems with friction and impacts. The authors present original methods of modeling and analysis of the selected non-smooth dynamical systems and show new results obtained in the research field of lumped mechanical systems.

AUDIENCE

The book is recommended for students, engineers and researchers working in the fields of non-smooth nonlinear systems, bifurcation and chaos as well as modeling and numerical simulation.

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