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Monografía

This volume contains 30 full-length papers presented at the IUTAM/IFToMM Symposium on Synthesis of Nonlinear Dynamical Systems held in Riga, Latvia, in August 1998. The contributions are devoted to the synthesis and analysis of nonlinear dynamical systems, nonlinear wave dynamics, dynamics of MDOF nonlinear mechanical systems, ship and vehicle dynamics, dynamics of manipulators, nonlinear and chaotic oscillations, stability and control, bifurcation analysis, vibro-impact dynamics, nonlinear resonance drives, nonlinear rotor dynamics, vibro-mechanics and vibrotechnology, analysis and synthesis of plates, beams and shells, new analytical and numerical methods in nonlinear dynamics, and some specific applications of nonlinear dynamics. The volume gives a representative overview of recent progress in the theory of nonlinear dynamical systems and its engineering applications and is a valuable reference for researchers in the very active field of nonlinear dynamics

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