Iutam Symposium on Dynamics Modeling and Interaction Control in Virtual and Real Environments: Proceedings of the Iutam Symposium on Dynamics Modeling and Interaction Control in Virtual and Real Environments, Held in Budapest, Hungary,

By -

Springer. Hardcover. Book Condition: New. Hardcover. 314 pages. Dimensions: 9.2in. x 6.3in. x 1.0in.This volume contains the invited papers presented at the IUTAM Symposium on Multibody Dynamics and Interaction Control in Virtual and Real Environments held in Budapest, Hungary, June 711 2010. The symposium aimed to bring together specialists in the fields of multibody system modeling, contactcollision mechanics and control of mechanical systems. The offered topics included modeling aspects, mechanical and mathematical models, the question of neglections and simplifications, reduction of large systems, interaction with environment like air, water and obstacles, contact of all types, control concepts, control stability and optimization. Discussions between experts in these fields made it possible to exchange ideas about the recent advances in multibody system modeling and interaction control, as well as about the possible future trends. The presentations of recent scientific results may facilitate the interaction between scientific areas like systemcontrol engineering and mechanical engineering. Papers on dynamics modeling and interaction control were selected to cover the main areas: mathematical modeling, dynamic analysis,

Reviews

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