

Iutam Symposium On Vibration Control Of Nonlinear Mechanisms And Structures

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This book contains papers presented at the IUTAM Symposium on Vibration Control of Nonlinear Mechanism and Structures, held in Munich. Vibration control is applied to all kinds of engineering systems to obtain desired dynamic behaviour, improved accuracy and increased reliability during operation. Research in the field of vibration control is extremely comprehensive. On the one hand the mechanical system has to be modeled with modern techniques and on the other hand the corresponding control concepts have to be added to the system itself. The selection of modeling features together with modern control algorithms decides significantly on the performance of vibration control. The latest developments related to control of structures, vibration isolation, control of vehicle dynamics, noise control, control of mechanisms and fluid-structure-interaction control is covered by this volume. Each author is a leading scientist in his field, which lends the book authority in the topics treated. This book is intended to be used by researchers, engineers and advanced students interested in the field of vibration control. EAN/ISBN : 9781402041617 Publisher(s): Springer Netherlands Discussed keywords: Nichtlineare Mechanik, Vibration Format: ePub/PDF Author(s): Ulbrich, H. - Gunthner, W.

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