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	Nota di contenuto	Introduction -- Oscillatory Processes and Vibration -- Acoustic Radiation, Sound Waves and Fields -- Methods of Analysis of Noise and Vibration Signals -- Friction-Excited Self-Oscillations -- Noise and Vibration in Nonstationary Friction Processes -- Materials Science Approaches to Abating Noise and Vibration in Nonstationary Friction Processes -- Physiological Aspects of Human Exposure to Noise and Vibration -- Conclusions.
	Sommario/riassunto	The book analyzes the basic problems of oscillation processes and theoretical aspects of noise and vibration in friction systems. It presents generalized information available in literature data and results of the authors in vibroacoustics of friction joints, including car brakes and transmissions. The authors consider the main approaches to abatement of noise and vibration in non-stationary friction processes. Special attention is paid to materials science aspects, in particular to advanced composite materials used to improve the vibroacoustic characteristics of tribopairs The book is intended for researchers and technicians, students and post-graduates specializing in mechanical

engineering, maintenance of machines and transport means, production certification, problems of friction and vibroacoustics.