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Titolo	Mechanical characterization of materials and wave dispersion [[electronic resource]] : instrumentation and experiment interpretation / / edited by Yvon Chevalier, Jean Tuong Vinh
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Collana	ISTE
Altri autori (Persone)	ChevalierYvon VinhJean Tuong
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Nota di contenuto	pt. I. Mechanical and electronic instrumentation -- pt. II. Realization of experimental set-ups and interpretation of measurements.
Sommario/riassunto	Over the last 50 years, the methods of investigating dynamic properties have resulted in significant advances. This book explores dynamic testing, the methods used, and the experiments performed, placing a particular emphasis on the context of bounded medium elastodynamics. Dynamic tests have proven to be as efficient as static tests and are often easier to use at lower frequency. The discussion is divided into four parts. Part A focuses on the complements of continuum mechanics. Part B concerns the various types of rod

vibrations: extensional, bending, and torsional. Part C is devoted to mech