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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. 1. Instability phenomenology and case studies -- pt. 2. Fundamental mechanisms of combustion instabilities -- pt. 3. Combustion instability analysis -- pt. 4. Stability testing methodology.
Sommario/riassunto	Since the invention of the V-2 rocket during World War II, combustion instabilities have been recognized as one of the most difficult problems in the development of liquid propellant rocket engines. This book is the first published in the United States on the subject since NASA's Liquid Rocket Combustion Instability (NASA SP-194) in 1972. In this book, experts cover four major subject areas: engine phenomenology and case studies, fundamental mechanisms of combustion instability, combustion instability analysis, and engine and component testing. Especially noteworthy is the inclusion of technical information from Russia and China--a first.