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Descrizione fisica	1 online resource (XVI, 386 p. 250 illus., 2 illus. in color.)
Disciplina	629.8323
Soggetti	Fluids Fluid mechanics Aerospace engineering Astronautics Automatic control Fluid- and Aerodynamics Engineering Fluid Dynamics Aerospace Technology and Astronautics Control and Systems Theory
Lingua di pubblicazione	Inglese
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Nota di contenuto	Pneumatic actuators, driving elements and auxiliary parts -- High temperature and high speed gas turbine pump electrohydraulic energy system of aircraft -- Application of pneumatic technology in attitude control of aircraft -- Pneumatic DTH -- Pneumatic hydraulic piling hammer -- Application of pneumatic technology in fuel cell vehicle -- Pneumatic principle and device of oscillating water column wave power generation.
Sommario/riassunto	This book highlights the latest developments and the author's own research achievements in high speed pneumatic control theory and applied technology. Chiefly focusing on the control system and energy system, it presents the basic theory and pioneering technologies for aerospace and aviation, while also addressing e.g. pneumatic servo control theory, pneumatic nonlinear mechanisms, aerothermodynamics, pneumatic servo mechanisms, and sample applications of high

temperature and high speed gas turbine systems in aerospace,  
aviation, and major equipment.

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