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Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Introduction -- Dynamical Model of Lorentz-Augmented Orbital Motion -- Relative Navigation of Lorentz-Augmented Orbital Motion -- Dynamics and Control of Lorentz-Augmented Spacecraft Hovering -- Dynamics and Control of Lorentz-Augmented Spacecraft Rendezvous -- Dynamics and Control of Lorentz-Augmented Spacecraft Formation Flying.
Sommario/riassunto	This book develops a dynamical model of the orbital motion of Lorentz spacecraft in both unperturbed and J2-perturbed environments. It explicitly discusses three kinds of typical space missions involving relative orbital control: spacecraft hovering, rendezvous, and formation flying. Subsequently, it puts forward designs for both open-loop and closed-loop control schemes propelled or augmented by the geomagnetic Lorentz force. These control schemes are entirely novel and represent a significantly departure from previous approaches.