

1. Record Nr.	UNINA9910796654603321
Autore	Fraundorfer Markus <1983->
Titolo	Rethinking global democracy in Brazil / / Markus Fraundorfer
Pubbl/distr/stampa	London, [England] ; ; New York : , : Rowman & Littlefield International, , 2018 ©2018
ISBN	1-78660-455-8
Descrizione fisica	1 online resource (250 pages)
Disciplina	320.981
Soggetti	Democracy - Brazil Democratization - Brazil Political participation - Brazil Brazil Politics and government Brazil Social policy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.

2. Record Nr.	UNINA9910299478303321
Autore	Longuski James M
Titolo	Optimal Control with Aerospace Applications / / by James M Longuski, José J. Guzmán, John E. Prussing
Pubbl/distr/stampa	New York, NY : , : Springer New York : , : Imprint : Springer, , 2014
ISBN	1-4614-8945-8
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (XX, 273 p. 91 illus.)
Collana	Space Technology Library ; ; 32
Disciplina	629.8
Soggetti	Automatic control Differential equations Physics Mechanics Aerospace engineering Astronautics Control and Systems Theory Ordinary Differential Equations Applied and Technical Physics Classical Mechanics Aerospace Technology and Astronautics
Lingua di pubblicazione	Inglese
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Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Acknowledgments -- Preface -- Chapter One: Parameter Optimization -- Chapter Two: Optimal Control Theory -- Chapter Three: The Euler-Lagrange Theorem -- Chapter Four: Application of the Euler-Lagrange Theorem -- Chapter Five: The Weierstrass Condition -- Chapter Six: The Minimum Principle -- Chapter Seven: Some Applications -- Chapter Eight: Weierstrass-Erdmann Corner Conditions -- Chapter Nine: Bounded Control Problems -- Chapter Ten: General Theory of Optimal Rocket Trajectories -- Appendices -- Bibliography.
Sommario/riassunto	Want to know not just what makes rockets go up but how to do it optimally? Optimal control theory has become such an important field in aerospace engineering that no graduate student or practicing engineer can afford to be without a working knowledge of it. This is the

first book that begins from scratch to teach the reader the basic principles of the calculus of variations, develop the necessary conditions step-by-step, and introduce the elementary computational techniques of optimal control. This book, with problems and an online solution manual, provides the graduate-level reader with enough introductory knowledge so that he or she can not only read the literature and study the next level textbook but can also apply the theory to find optimal solutions in practice. No more is needed than the usual background of an undergraduate engineering, science, or mathematics program: namely calculus, differential equations, and numerical integration. Although finding optimal solutions for these problems is a complex process involving the calculus of variations, the authors carefully lay out step-by-step the most important theorems and concepts. Numerous examples are worked to demonstrate how to apply the theories to everything from classical problems (e.g., crossing a river in minimum time) to engineering problems (e.g., minimum-fuel launch of a satellite). Throughout the book use is made of the time-optimal launch of a satellite into orbit as an important case study with detailed analysis of two examples: launch from the Moon and launch from Earth. For launching into the field of optimal solutions, look no further! .
