1. Record Nr. UNINA9910886992203321 Autore Trelat Emmanuel Titolo Control in Finite and Infinite Dimension / / by Emmanuel Trélat Singapore:,: Springer Nature Singapore:,: Imprint: Springer,, 2024 Pubbl/distr/stampa **ISBN** 9789819759484 981975948X Edizione [1st ed. 2024.] Descrizione fisica 1 online resource (145 pages) Collana SpringerBriefs on PDEs and Data Science, , 2731-7609 Disciplina 629.8312 Soggetti System theory Control theory Differential equations Mathematical optimization Systems Theory, Control **Differential Equations** Optimization Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di bibliografia Includes bibliographical references. Chapter 1 Controllability -- Chapter 2. Optimal control -- Chapter 3 Nota di contenuto Stabilization -- Chapter 4 Semigroup theory -- Chapter 5 Linear control systems in Banach spaces. Sommario/riassunto This book is the result of various master and summer school courses the author has taught. The objective is to provide the reader with an introduction to control theory and to the main tools allowing to treat general control systems. The author hopes this book will serve as motivation to go deeper into the theory or numerical aspects that are

not covered in this book. This book might be helpful for graduate

students and researchers in the field of control theory.