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Nota di contenuto	Preface -- 1. Introduction -- 2. Discrete-time autonomous problems -- 3. Discrete-time nonautonomous problems on half-axis -- 4. Discrete-time nonautonomous problems on axis -- 5. Continuous-time autonomous problems -- 6. Continuous-time nonautonomous problems on half-axis -- 7. Continuous-time nonautonomous problems on axis.
Sommario/riassunto	This book provides a comprehensive study of turnpike phenomenon arising in optimal control theory. The focus is on individual (non-generic) turnpike results which are both mathematically significant and have numerous applications in engineering and economic theory. All results obtained in the book are new. New approaches, techniques, and methods are rigorously presented and utilize research from finite-dimensional variational problems and discrete-time optimal control problems to find the necessary conditions for the turnpike phenomenon in infinite dimensional spaces. The semigroup approach

is employed in the discussion as well as PDE descriptions of continuous-time dynamics. The main results on sufficient and necessary conditions for the turnpike property are completely proved and the numerous illustrative examples support the material for the broad spectrum of experts. Mathematicians interested in the calculus of variations, optimal control and in applied functional analysis will find this book a useful guide to the turnpike phenomenon in infinite dimensional spaces. Experts in economic and engineering modeling as well as graduate students will also benefit from the developed techniques and obtained results.

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