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Titolo	Analysis and control of linear systems [[electronic resource] /] / edited by Philippe de Larminat
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Descrizione fisica	1 online resource (561 p.)
Collana	Control systems, robotics and manufacturing series
Altri autori (Persone)	LarminatPhilippe de
Disciplina	629.8/32 629.832
Soggetti	Linear control systems Automatic control
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Analysis and Control of Linear Systems; Table of Contents; Preface; Part 1. System Analysis; Chapter 1. Transfer Functions and Spectral Models; 1.1. System representation; 1.2. Signal models; 1.2.1. Unit-step function or Heaviside step function U(t); 1.2.2. Impulse; 1.2.3. Sine-wave signal; 1.3. Characteristics of continuous systems; 1.4. Modeling of linear time-invariant systems; 1.4.1. Temporal model, convolution, impulse response and unit-step response; 1.4.2. Causality; 1.4.3. Unit-step response; 1.4.4. Stability; 1.4.5. Transfer function; 1.4.6. Causality, stability and transfer function 1.4.7. Frequency response and harmonic analysis1.5. Main models; 1.5.1. Integrator; 1.5.2. First order system; 1.5.3. Second order system; 1.6. A few reminders on Fourier and Laplace transforms; 1.6.1. Fourier transform; 1.6.2. Laplace transform; 1.6.3. Properties; 1.6.4. Laplace transforms of ordinary causal signals; 1.6.5. Ordinary Fourier transforms; 1.7. Bibliography; Chapter 2. State Space Representation; 2.1. Reminders on the systems; 2.1.1. Internal representation of determinist systems: the concept of state; 2.1.2. Equations of state and

equations of measurement for continuous systems
2.1.3. Case of linear systems2.1.4. Case of continuous and invariant linear systems; 2.2. Resolving the equation of state; 2.2.1. Free state; 2.2.2. Forced state; 2.2.3. Particular case of linear and invariant systems; 2.2.4. Calculation method of the transition matrix eA(t-t 0); 2.2.5. Application to the modeling of linear discrete systems; 2.3. Scalar representation of linear and invariant systems; 2.3.1. State passage - transfer; 2.3.2. Change of basis in the state space; 2.3.3. Transfer passage - state; 2.3.4. Scalar representation of invariant and linear discrete systems
2.4. Controllability of systems2.4.1. General definitions; 2.4.2. Controllability of linear and invariant systems; 2.4.3. Canonic representation of partially controllable systems; 2.4.4. Scalar representation of partially controllable systems; 2.5. Observability of systems; 2.5.1. General definitions; 2.5.2. Observability of linear and invariant systems; 2.5.3. Case of partially observable systems; 2.5.4. Case of partially controllable and partially observable systems; 2.6. Bibliography; Chapter 3. Discrete-Time Systems; 3.1. Introduction; 3.2. Discrete signals: analysis and manipulation
3.2.1. Representation of a discrete signal3.2.2. Delay and lead operators; 3.2.3. z-transform; 3.3. Discrete systems (DLTI); 3.3.1. External representation; 3.3.2. Internal representation; 3.3.3. Representation in terms of operator; 3.3.4. Transfer function and frequency response; 3.3.5. Time response of basic systems; 3.4. Discretization of continuous-time systems; 3.4.1. Discretization of analog signals; 3.4.2. Transfer function of the discretized system; 3.4.3. State representation of the discretized system; 3.4.4. Frequency responses of the continuous and discrete system
3.4.5. The problem of sub-sampling

Sommario/riassunto

Automation of linear systems is a fundamental and essential theory. This book deals with the theory of continuous-state automated systems.

2. Record Nr. UNINA9910971868203321

Autore	Suthren Hirst Jacqueline
Titolo	S am £kara's Advaita Veda nta : a way of teaching / / J.G. Suthren Hirst
Pubbl/distr/stampa	London, : RoutledgeCurzon, 2005
ISBN	1-134-25441-5 1-280-30917-2 9786610309177 0-203-00192-3
Descrizione fisica	1 online resource (265 p.)
Collana	RoutledgeCurzon Hindu studies series
Disciplina	181.482
Soggetti	Advaita Vedanta Hindu philosophy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 225-235) and index.
Nota di contenuto	BOOK COVER; HALF-TITLE; SERIES TITLE; TITLE; COPYRIGHT; DEDICATION; CONTENTS; SERIES EDITOR'S PREFACE; PREFACE; ACKNOWLEDGEMENT; ABBREVIATIONS; INTRODUCTION; 1 THE TEACHER HIMSELF; 2 THE NEED FOR THE TEACHING; 3 THE SOURCE OF THE TEACHING; 4 THE METHODS OF THE TEACHING; 5 THE CONTEXT OF THE TEACHING; 6 THE CONTEXT OF THE TEACHING; 7 THE LANGUAGE OF THE TEACHING; 8 THE END OF THE TEACHING; GLOSSARY; NOTES; BIBLIOGRAPHY; INDEX
Sommario/riassunto	Samkara (c.700 CE) has been regarded by many as the most authoritative Hindu thinker of all time. A great Indian Vedantin brahmin, Samkara was primarily a commentator on the sacred texts of the Vedas and a teacher in the Advaitin teaching line. This book serves as an introduction to Samkara's thought which takes this as a central theme. The author develops an innovative approach based on Samkara's ways of interpreting sacred texts and creatively examines the profound interrelationship between sacred text, content and method in Samkara's thought. The main focus of the book is on Samkara's te