1. Record Nr. UNISA996466625003316

Autore	Keimel Klaus
Titolo	Ordered cones and approximation / / Klaus Keimel, Walter Roth
Pubbl/distr/stampa	Berlin : , : Springer-Verlag, , [1992] ©1992
ISBN	3-540-47079-4
Edizione	[1st ed. 1992.]
Descrizione fisica	1 online resource (VI, 142 p.)
Collana	Lecture notes in mathematics ; ; 1517
Disciplina	511.4
Soggetti	Approximation theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Locally convex cones -- Uniformly continuous operators and the dual cone -- Subcones -- Approximation -- Nachbin cones -- Quantitative estimates.
Sommario/riassunto	This book presents a unified approach to Korovkin-type approximation theorems. It includes classical material on the approximation of real-valuedfunctions as well as recent and new results on set-valued functions and stochastic processes, and on weighted approximation. The results are notonly of qualitative nature, but include quantitative bounds on the order of approximation. The book is addressed to researchers in functional analysis and approximation theory as well as to those that want to applythese methods in other fields. It is largely self- contained, but the readershould have a solid background in abstract functional analysis. The unified approach is based on a new notion of locally convex ordered cones that are not embeddable in vector spaces but allow Hahn-Banach type separation and extension theorems. This concept seems to be of independent interest.

2.

Record Nr.	UNINA9910591036903321
Autore	Lee Hong-Gi
Titolo	Linearization of Nonlinear Control Systems / / by Hong-Gi Lee
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2022
ISBN	9789811936432 9789811936425
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (591 pages)
Collana	Mathematics and Statistics Series
Disciplina	512.55
Soggetti	Automatic control System theory Control theory Algebras, Linear Control and Systems Theory Systems Theory, Control Linear Algebra
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	1 Introduction -- 2 Basic Mathematics for Linearization -- 3 Linearization by State Transformation -- 4 Feedback Linearization -- 5 Linearization with Output Equation -- 6 Dynamic Feedback Linearization -- 7 Linearization of Discrete-time Systems -- 8 Observer Error Linearization -- 9 Input-output Decoupling.
Sommario/riassunto	This textbook helps graduate level student to understand easily the linearization of nonlinear control system. Differential geometry is essential to understand the linearization problems of the control nonlinear systems. In this book, the basics of differential geometry, needed in linearization, are explained on the Euclean space instead of the manifold for the students who are not accustomed to differential geometry. Many Lie algebra formulas, used often in linearization, are also provided with proof. The conditions in the linearization problems are complicated to check because the Lie bracket calculation of vector fields by hand needs much concetration and time. This book provides the MATLAB programs for most of the theorems.