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Titolo	Multiplicative inequalities of Carlson type and interpolation [[electronic resource] /] / Leo Larsson ... [et al.]
Pubbl/distr/stampa	New Jersey, : World Scientific, c2006
ISBN	1-281-91924-1 9786611919245 981-277-400-9
Descrizione fisica	1 online resource (217 p.)
Altri autori (Persone)	LarssonLeo <1972->
Disciplina	515/.26
Soggetti	Inequalities (Mathematics) Interpolation Numerical analysis Electronic books.
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. 193-197) and index.
Nota di contenuto	Contents ; Preface ; 0. Introduction and Notation ; 0.1 Notational Conventions ; 0.1.1 Indices and Exponents ; 0.1.2 Constants ; 0.1.3 Measure Spaces and Related Spaces ; 0.1.4 Interpolation Spaces ; 0.1.5 Linear Mappings Between Normed Spaces ; 0.1.6 Other 1. Carlson's Inequalities 1.1 Carlson's Proof ; 1.2 Hardy's Proofs ; 1.3 An Alternate Proof ; 1.4 Carlson's Inequality for Finite Sums ; 2. Some Extensions and Complements of Carlson's Inequalities ; 2.1 Gabriel ; 2.2 Levin ; 2.3 Caton ; 2.4 Bellman 2.5 Two Discrete Carlson By-products 2.6 Landau and Levin-Steckin ; 2.7 Some Extensions of the Landau and Levin-Steckin Inequalities ; 2.7.1 The Case p = 1 ; 2.7.2 General p ; 2.8 Proofs ; 2.9 Levin-Godunova ; 2.10 More About Finite Sums ; 3. The Continuous Case

; 3.1 Beurling
3.2 Kjellberg 3.3 Bellman ; 3.4 Sz. Nagy
; 3.5 Klefsjo ; 3.6 Hu ; 3.7 Yang-Fang ;
3.8 A Continuous Landau Type Inequality ;
3.9 Integrals on Bounded Intervals ; 4. Levin's
Theorem ; 5. Some Multi-dimensional Generalizations
and Variations ; 5.1 Some
Preliminaries
5.2 A Sharp Inequality for Cones in Rn 5.3
Some Variations on the Multi-dimensional Theme
; 5.3.1 Kjellberg Revisited ; 5.3.2 Andrianov
; 5.3.3 Pigolkin ; 5.3.4 Bertolo-Fernandez
; 5.3.5 Barza et al ; 5.3.6 Kamaly ; 5.4 Some
Further Generalizations
5.4.1 A Multi-dimensional Extension of Theorem 3.6

Sommario/riassunto

Collecting all the results on the particular types of inequalities, the coverage of this book is unique among textbooks in the literature. The book focuses on the historical development of the Carlson inequalities and their many generalizations and variations. As well as almost all known results concerning these inequalities and all known proof techniques, a number of open questions suitable for further research are considered. Two chapters are devoted to clarifying the close connection between interpolation theory and this type of inequality. Other applications are also included, in addition

2. Record Nr. UNISA996546838603316

Autore	Romero José Raúl
Titolo	Optimising the Software Development Process with Artificial Intelligence [[electronic resource] /] / edited by José Raúl Romero, Inmaculada Medina-Bulo, Francisco Chicano
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Disciplina	005.1028563
Soggetti	Artificial intelligence Software engineering Machine learning Artificial Intelligence Software Engineering Machine Learning
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Artificial Intelligence in Software Project Management -- Requirements Engineering -- Leveraging Artificial Intelligence for Model-based Software Analysis and Design -- Statistical Models and Machine Learning to Advance Code Completion -- Cloud development and deployment -- Automated Support for Unit Text Generation: A Tutorial Book Chapter -- Artificial Intelligence Techniques in System Testing -- Intelligent Software Maintenance -- Metaheuristics in a nutshell -- Foundations of Machine Learning for Software Engineering.
Sommario/riassunto	This book offers a practical introduction to the use of artificial intelligence (AI) techniques to improve and optimise the various phases of the software development process, from the initial project planning to the latest deployment. All chapters were written by leading experts in the field and include practical and reproducible examples. Following the introductory chapter, Chapters 2-9 respectively apply AI techniques to the classic phases of the software development process: project management, requirement engineering, analysis and design, coding,

cloud deployment, unit and system testing, and maintenance. Subsequently, Chapters 10 and 11 provide foundational tutorials on the AI techniques used in the preceding chapters: metaheuristics and machine learning. Given its scope and focus, the book represents a valuable resource for researchers, practitioners and students with a basic grasp of software engineering.