1.
Record Nr.	UNINA9910861095603321
Autore	Keller Agathe
Titolo	Shaping the Sciences of the Ancient and Medieval World : Textual Criticism, Critical Editions and Translations of Scholarly Texts in History / / edited by Agathe Keller, Karine Chemla
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	9783031496172 3031496175
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (582 pages)
Collana	Archimedes, New Studies in the History and Philosophy of Science and Technology, , 2215-0064 ; ; 69
Altri autori (Persone)	ChemlaKarine
Disciplina	509.01
Soggetti	Science - History Philology Historiography History - Methodology China - History History of Science Historiography and Method History of China
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Introduction (Karine Chemla and Agathe Keller) -- Part I: Ancient Editorial and Cross-Linguistic Practices -- Chapter 2. Before the Library of Babel: On some Very Early Philologers (Piotr Michalowski) -- Chapter 3. A Theory of Philological Practice in Early Modern India (Sheldon Pollock) -- Part II: What was at Issue in Returning to Ancient Texts in Early Modern and Modern Times? -- Chapter 4. Rethinking the Ancient Mathematical Text: Ming-Qing Scholars' Critical Reflections on The Gnomon of Zhou [Dynasty] (Han Qi) -- Chapter 5. The Asiatic Society, the Bibliotheca Indica and Devangar Pinting in Bengal: The Historical Context of the Editio Princeps of the Nyyabhya (Alessandro Graheli) -- Chapter 6. Editing a Foundational Work on Classical Indian Medicine: The Printed Editions of the Carakasahit in Context (Karin Preisendanz) -- Part III: Shaping Specific Features of

Scientific Texts -- Chapter 7. Representing numbers and quantities in editions of mathematical cuneiform texts (Christine Proust) -- Chapter 8. Numbers and Quantities in Editions of Economic and Administrative Cuneiform Texts at the beginning of the 2nd millennium BCE. The Case of the Capacity System (Cecile Michel) -- Chapter 9. Reduction of Absurdity: Notes on the editorial Transformations of Greek Diagrams (Reviel Netz) -- Chapter 10. Editing the Sumerians, How and Why? (Jerrold S. Cooper) -- Part IV: Publishing Ancient Mathematical and Astronomical texts: Comparative Perspectives -- Chapter 11. The critical edition of the mathematical texts of Greek Antiquity: challenges and method (Micheline Decorps) -- Chapter 12. Shaping a Mathematical text in Sanskrit: H. T. Colebrooke, Sudhkara Dvivedin, and Pthdaka's commentary on the twelfth chapter of the Brhmasphuasiddhnta (Agathe Keller) -- Chapter 13. On the First Printed Edition of the Mathematical Book in Nine Chapters (1842) (Yiwen Zhu & Cheng Zheng) -- Chapter 14. Babylonian Astronomy: Editing and Interpreting an Ancient Science (Matthieu Ossendrijver) -- Chapter 15. Postface (Glenn Most) -- Annexure -- Index.

Sommario/riassunto	This book contributes to a worldwide history of textual criticism and critical editions of ancient scientific texts. It first looks at ancient editorial practices, and at their impact on modern editions. Contributions analyze how, through time, the perception of what a text was may have changed, and influenced how scholarly texts were made accessible. The second section looks at the historical, political and social contexts within which editions and translations of ancient scientific texts were produced. Finally, the last two parts examine the specificities of editions and translations that bore on scholarly documents. Not only is there a focus on how the elements specific to scientific texts—such as diagrams and numbers—were treated, but case studies analyzing the specific work carried out to edit mathematical and astronomical texts of the past are also offered to the reader. The scholarship displayed in this work lays the foundation for further studies on the history of critical editions and raises questions to those who make scholarly translations and critical editions today.

2.	Record Nr.	UNINA9910483808603321
	Autore	Petkovic Miodrag
	Titolo	Point estimation of root finding methods / / Miodrag Petkovic
	Pubbl/distr/stampa	Berlin, : Springer, 2008
	ISBN	9783540778516 3540778519
	Edizione	[1st ed. 2008.]
	Descrizione fisica	xii, 210 p. : ill
	Collana	Lecture notes in mathematics, , 0075-8434 ; ; 1933
	Classificazione	65H05
	Disciplina	518
	Soggetti	Fix-point estimation Equations, Roots of
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph
	Nota di bibliografia	Includes bibliographical references (p. 197-204) and index.
	Nota di contenuto	Basic Concepts -- Iterative Processes and Point Estimation Theory -- Point Estimation of Simultaneous Methods -- Families of Simultaneous Methods of Higher Order: Part I -- Families of Simultaneous Methods of Higher Order: Part II.
	Sommario/riassunto	This book sets out to state computationally verifiable initial conditions for predicting the immediate appearance of the guaranteed and fast convergence of iterative root finding methods. Attention is paid to iterative methods for simultaneous determination of polynomial zeros in the spirit of Smale's point estimation theory, introduced in 1986. Some basic concepts and Smale's theory for Newton's method, together with its modifications and higher-order methods, are presented in the first two chapters. The remaining chapters contain the recent author's results on initial conditions guaranteing convergence of a wide class of iterative methods for solving algebraic equations. These conditions are of practical interest since they depend only on available data, the information of a function whose zeros are sought and initial approximations. The convergence approach presented can be applied in designing a package for the simultaneous approximation of polynomial zeros.