1.	Record Nr.	UNINA9910797963203321
	Autore	Los Bettelou
	Titolo	A Historical Syntax of English [[electronic resource]]
	Pubbl/distr/stampa	Edinburgh, : Edinburgh University Press, 2015
	ISBN	0-7486-9456-0
	Descrizione fisica	1 online resource (306 p.)
	Collana	Edinburgh Textbooks on the English Language - Advanced
	Classificazione	HF 160
	Altri autori (Persone)	GiegerichHeinz J
	Disciplina	425
	Soggetti	English language - Syntax
		English language - History
		Philology & Linguistics
		Languages & Literatures
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di contenuto	Frontmatter -- Contents -- List of figures and tables -- List of abbreviations -- Note on data references -- Preface -- 1 Introduction -- 2 Nominal categories: The loss of nominal morphology -- 3 Verbal categories: The rise of the auxiliaries have and be -- 4 Verbal categories: The rise of the modal auxiliaries -- 5 Complementation -- 6 The structure of the clause -- 7 Verb-Second -- 8 Syntax and discourse -- Appendix 1 Cynewulf and Cyneheard -- Appendix 2 Beowulf -- Bibliography -- Index
	Sommario/riassunto	This book discusses a number of approaches to charting the major developments in the syntax of English, addressing key issues of interpretation and focus for the benefit of students of the topic.

2.	Record Nr.	UNINA9910299856003321
	Autore	Schmerr Jr Lester W
	Titolo	Fundamentals of Ultrasonic Phased Arrays / / by Lester W. Schmerr Jr
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
	ISBN	3-319-07272-2
	Edizione	[1st ed. 2015.]
	Descrizione fisica	1 online resource (382 p.)
	Collana	Solid Mechanics and Its Applications, , 0925-0042 ; ; 215
	Disciplina	620.28
	Soggetti	Materials science Vibration Dynamics Acoustics Radiology Applied mathematics Engineering mathematics Characterization and Evaluation of Materials Vibration, Dynamical Systems, Control Ultrasound Mathematical and Computational Engineering
	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 at the end of each chapters and index.
	Nota di contenuto	From the Contents: Introduction -- Acoustic Field of a 1-D Array Element -- Large, Single Element Transducer Models -- Phased Array Beam Modeling (1-D Elements) -- Time Delay Laws (2-D) -- Acoustic Field of a 2-D Array Element -- Phased Array Beam Modeling (2-D Elements) -- Time Delay Laws (3-D) -- Linear System Models of Phased Arrays -- Phased Array System Functions -- Measurement Models for Ultrasonic Arrays -- Imaging with Phased Arrays - An Introduction -- Imaging Measurement Models -- Element Boundary Conditions and Other Modeling Issues -- Appendix A - The Beylkin Determinant -- Appendix B - Angle Area Ratios -- Appendix C - MATLAB® Functions and Scripts -- Index.

Sommario/riassunto

This book describes in detail the physical and mathematical foundations of ultrasonic phased array measurements. The book uses linear systems theory to develop a comprehensive model of the signals and images that can be formed with phased arrays. Engineers working in the field of ultrasonic nondestructive evaluation (NDE) will find in this approach a wealth of information on how to design, optimize and interpret ultrasonic inspections with phased arrays. The fundamentals and models described in the book will also be of significant interest to other fields, including the medical ultrasound and seismology communities. A unique feature of this book is that it presents a unified theory of imaging with phased arrays that shows how common imaging methods such as the synthetic aperture focusing technique (SAFT), the total focusing method (TFM), and the physical optics far field inverse scattering (POFFIS) imaging method are all simplified versions of more fundamental and quantitative imaging approaches, called imaging measurement models. To enhance learning, this book first describes the fundamentals of phased array systems using 2-D models, so that the complex 3-D cases normally found in practice can be more easily understood. In addition to giving a detailed discussion of phased array systems, Fundamentals of Ultrasonic Phased Arrays also provides MATLAB® functions and scripts, allowing the reader to conduct simulations of ultrasonic phased array transducers and phased array systems with the latest modeling technology.