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Phonetics maintains a balance of accessibility and scholarly rigor to provide students with a complete introduction to the physics of speech.

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This is a short, nontechnical introduction (suitable as a supplement to a general phonetics or speech science text) to four important topics in acoustic phonetics: (1) acoustic properties of major classes of speech sounds, (2) the acoustic theory of speech production, (3) the auditory representation of speech, and (4) speech perception.

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Acoustic and Auditory Phonetics provides an accessible yet rigorous introduction to basic acoustics, audition, signal processing, and the acoustic theory of speech production. Provides readers with an accessible yet rigorous introduction to phonetics and speech sciences.

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Acoustic and Auditory Phonetics | Keith Johnson | download Keith Johnson is Professor of Linguistics at the University of California, Berkeley. He is also the author of Quantitative Methods in Linguistics, and the 6th edition. PDF | On, Valeria Cofré Vergara and others published Keith Johnson ():

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Acoustic & Auditory Phonetics, Blackwell, Oxford 2a edición.
Summary: Fully revised and expanded, the third edition of Acoustic and Auditory Phonetics maintains a balance of accessibility and scholarly rigor to provide.

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Auditory phonetics is a branch of phonetics concerned with the hearing of speech sounds and with speech perception. It thus entails the study of the relationships between speech stimuli and a listener ' s responses to such stimuli as mediated by mechanisms of the peripheral and central auditory systems, including certain cortical areas of the brain. In more detail, it deals with the possible frequency ranges of human hearing, with the frequency ranges of individual sounds and it investigates ...

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Acoustic and Auditory Phonetics (豆瓣)

Keith Johnson is Professor of Linguistics at Ohio State University. He has published articles on speech perception, acoustic and articulatory phonetics, and psycholinguistics; he is co-editor of *Talker Variability in Speech Processing* (with John Mullennix, 1997) and *The Role of Speech Perception in Phonology* (with Beth Hume, 2001).

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Articulatory Phonetics presents a concise and non-technical introduction to the physiological processes involved in producing sounds in human speech. Traces the path of the speech production system through to the point where simple vocal sounds are produced, covering the nervous system, and muscles, respiration, and phonation Introduces more complex anatomical concepts of articulatory phonetics and particular sounds of human speech, including brain anatomy and coarticulation Explores the most current methodologies, measurement tools, and theories in the field Features chapter-by-chapter exercises and a series of original illustrations which take the mystery out of the anatomy, physiology, and measurement techniques relevant to speech research Includes a companion website

at www.wiley.com/go/articulatoryphonetics with additional exercises for each chapter and new, easy-to-understand images of the vocal tract and of measurement tools/data for articulatory phonetic teaching and research Password protected instructor 's material includes an answer key for the additional exercises

Providing a broad overview and packed with examples, A

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COURSE IN PHONETICS, 7e remains the ideal introduction to phonetics-no previous knowledge required! With its reader-friendly writing style, the book introduces concepts of speech production, describes speech in acoustic terms, and teaches practical phonetic skills, including IPA transcription. In addition, expanded sections on acoustic phonetics and speech motor control help readers use tools for digital inspection and manipulation of speech. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This popular and accessible introduction to phonetics has been fully updated for its third edition, and now includes an accompanying website with sound files, and expanded coverage of topics such as speech technology. Describes how languages use a variety of different sounds, many of them quite unlike any that occur in well-known languages Written by the late Peter Ladefoged, one of the world's leading phoneticians, with updates by renowned forensic linguist, Sandra Ferrari Disner Includes numerous revisions to the discussion of speech technology and additional updates throughout the book Explores the acoustic, articulatory, and perceptual components of speech, demonstrates speech synthesis, and explains how speech recognition systems work Supported by an accompanying website at www.vowelsandconsonants3e.com featuring additional data and recordings of the sounds of a wide variety of languages, to reinforce learning and bring the descriptions to life

This revised and expanded edition of a classic textbook provides a concise introduction to basic concepts of acoustics and digital speech processing that are important to linguists, phoneticians, and speech scientists. The second

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edition includes four new chapters that cover new experimental techniques in acoustic phonetics made possible by the use of computers. Assuming no background in physics or mathematics, Ladefoged explains concepts that must be understood in using modern laboratory techniques for acoustic analysis, including resonances of the vocal tract and the relation of formants to different cavities; digital speech processing and computer storage of sound waves; and Fourier analysis and Linear Predictive Coding, the equations used most frequently in the analysis of speech sounds. Incorporating recent developments in our knowledge of the nature of speech, Ladefoged also updates the original edition's discussion of the basic properties of sound waves; variations in loudness, pitch, and quality of speech sounds; wave analysis; and the hearing and production of speech. Like its predecessor, this edition of *Elements of Acoustic Phonetics* will serve as an invaluable textbook and reference for students and practitioners of linguistics and speech science, and for anyone who wants to understand the physics of speech.

Companion website, featuring additional resources such as sound files, can be found here:

<http://www.blackwellpublishing.com/phonetics/> Providing a comprehensive overview of the four primary areas of phonetics, *Phonetics: Transcription, Production, Acoustics, and Perception* is an ideal guide to the complete study of speech and sound. An accessible but in-depth introductory textbook on the basic concepts of phonetics Covers all four areas of phonetics: transcription, production, acoustics, and perception Offers uniquely thorough coverage of related relevant areas, including vocal fold vibration and the working of the ear, creating an engagingly flexible work for instructors Includes chapter-by-chapter exercises, enabling

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students to put their knowledge into practice Written in a clear and concise style by two of the field ' s leading scholars

This book describes all the known ways in which the sounds of the world's languages differ. Encapsulating the work of two leading figures in the field, it will be a standard work of reference for researchers in phonetics, linguistics and speech science for many years to come. The scope of the book is truly global, with data drawn from nearly 400 languages, many of them investigated at first hand by the authors.

Offers an introduction to linguistic typology that covers various linguistic domains from phonology and morphology over parts-of-speech, the NP and the VP, to simple and complex clauses, pragmatics and language change. This title also includes a discussion on methodological issues in typology.

Quantitative Methods in Linguistics offers a practical introduction to statistics and quantitative analysis with data sets drawn from the field and coverage of phonetics, psycholinguistics, sociolinguistics, historical linguistics, and syntax, as well as probability distribution and quantitative methods. Provides balanced treatment of the practical aspects of handling quantitative linguistic data Includes sample datasets contributed by researchers working in a variety of sub-disciplines of linguistics Uses R, the statistical software package most commonly used by linguists, to discover patterns in quantitative data and to test linguistic hypotheses Includes student-friendly end-of-chapter assignments and is accompanied by online resources at available in the 'Downloads' section, below

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