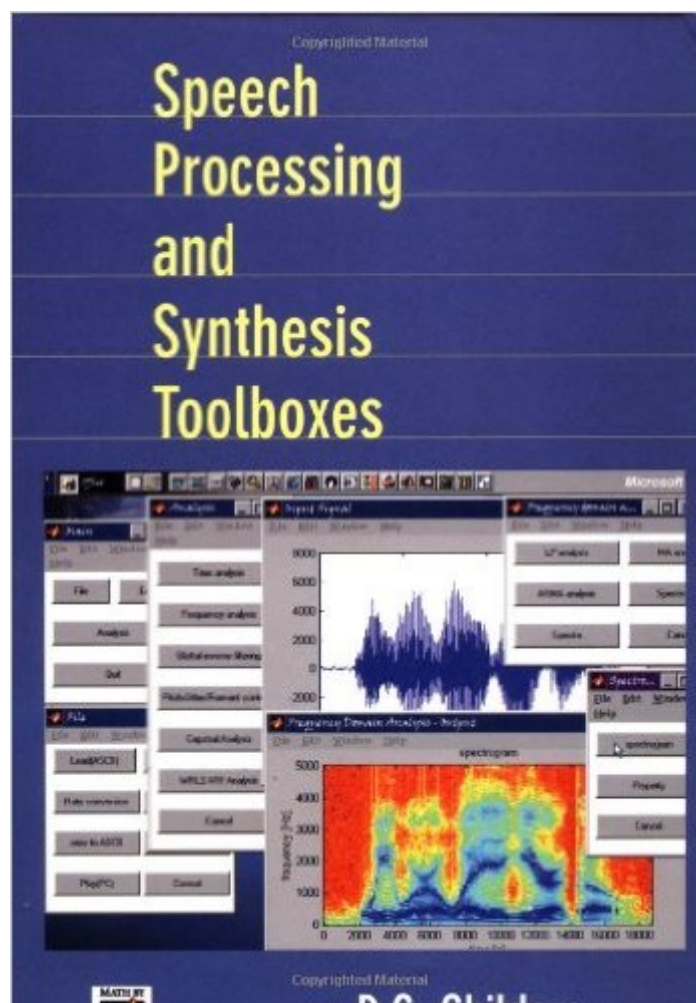


## The book was found

# Speech Processing And Synthesis Toolboxes



## Synopsis

Strike a balance between theory and practice! With this text, you'll, find a balance between theory and practice that allows you to build your understanding of the basic concepts, assumptions, and limitations of the theory of speech analysis and synthesis. The methods for data analysis as well as the theoretical background are provided to help you comprehend the analysis results. And you'll be able to study the features and properties of speech as a signal without having to record data and write software to analyze the data. The text includes two CDs that contain stand-alone and MATLAB software and speech and electroglottographic data. The CDs illustrate the effects that speech models and speech analysis procedures have on the quality of synthesized speech. An extensive speech database provides numerous speech files and other data. Examples included in each chapter demonstrate how to use the software. The CDs allow you to:

- \* Calculate the parameters of linear prediction speech models.
- \* Examine procedures for converting the speech of one speaker to sound like that of another speaker (i.e., voice conversion).
- \* Analyze and alter the temporal structure of the speech signal. This allows you to automatically parse speech into various features, such as voiced segments, unvoiced segments, nasal and non-nasal segments, fricatives, stops, and more.
- \* Create speech with a "high speaking rate" or generate speech with a "slow speaking rate."
- \* Adjust the parameters of the vocal fold model to change the vocal fold tension, length, thickness, mass, etc., in order to observe the effects of these parameters on the vibratory motion of the vocal folds.

## Book Information

Hardcover: 496 pages

Publisher: Wiley (September 16, 1999)

Language: English

ISBN-10: 0471349593

ISBN-13: 978-0471349594

Product Dimensions: 7.2 x 1 x 10.4 inches

Shipping Weight: 2.2 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,492,188 in Books (See Top 100 in Books) #42 in Books > Computers & Technology > Software > Voice Recognition #81 in Books > Computers & Technology > Digital Audio, Video & Photography > Speech & Audio Processing #544 in Books > Engineering & Transportation > Engineering > Civil & Environmental > Acoustics

[Download to continue reading...](#)

Speech Processing and Synthesis Toolboxes Speech Therapy for Kids : Techniques and Parents Guide for Speech Therapy (speech therapy, speech therapy materials) Speech and Audio Signal Processing: Processing and Perception of Speech and Music Handbook of Neural Networks for Speech Processing (Artech House Signal Processing Library) Stress, Strain, and Structural Dynamics: An Interactive Handbook of Formulas, Solutions, and MATLAB Toolboxes Statistical Methods for Speech Recognition (Language, Speech, and Communication) Speech After Stroke: A Manual for the Speech Pathologist and the Family Member Father of the Bride Speech (The 7-STEP GUIDE to Writing a Sensational Wedding Speech & Toast Book 1) Multilingual Text-to-Speech Synthesis: The Bell Labs Approach Computer Speech: Recognition, Compression, Synthesis (Springer Series in Information Sciences) Chip Talk: Projects in Speech Synthesis Discrete-Time Speech Signal Processing: Principles and Practice Springer Handbook of Speech Processing Discrete-Time Processing of Speech Signals Computer Speech Technology (Artech House Signal Processing Library) The Organic Chemistry of Drug Synthesis, Volume 3 (Organic Chemistry Series of Drug Synthesis) Natural Language Processing for Historical Texts (Synthesis Lectures on Human Language Technologies) Bayesian Signal Processing: Classical, Modern and Particle Filtering Methods (Adaptive and Cognitive Dynamic Systems: Signal Processing, Learning, Communications and Control) Biosignal and Medical Image Processing (Signal Processing and Communications) Signal Processing Algorithms in Fortran and C (Prentice-Hall Signal Processing Series)

[Dmca](#)