Contents

Acknowledg	jments	vi
Preface		ki
Chapter 1	Introduction to the Study of Speech Acoustics	1
Chapter 2	Acoustic Theory of Speech Production	13
Chapter 3	Introduction to the Acoustic Analysis of Speech	41
Chapter 4	Modern Analytic Techniques	61
Chapter 5	The Acoustic Characteristics of Vowels and Diphthongs	87
Chapter 6	The Acoustic Characteristics of Consonants	105
Chapter 7	Acoustic Effects of Context and Speaker	145
Chapter 8	Speech Synthesis	177
References		199
Appendix A	Phonetic Symbols for Vowels and Consonants; Abbreviations Used in the Text	211
Appendix B	Elementary Physics of Sound	215
Appendix C	Nonlinear Frequency Scales for Speech Analysis	225
Glossary	,	227
Subject Index	K	235