

# Auditory Analysis and Perception of Speech

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This publication contains the more phonetically orientated papers presented at a Symposium on 'Auditory Analysis and Perception of Speech' which was held in Leningrad in August 1973. The purpose of the meeting was to advance the theory of speech perception in relation to auditory theory and speech signal models, with some investigation of the problem of automatic speech recognition.

The collection of papers found in this volume contributes to the understanding of phonetics by discussing which aspects of the speech wave have perceptual relevance, and by investigating present knowledge of the code relating speech wave dimensions and attributes to phonetic categorizations. The questions arise as to whether some of these relations can be expressed in working models for the auditory processing of speech, and what transformations can be envisaged in successive stages of the auditory system.

A special feature of the book is that it exposes important work in the study of speech perception from the Soviet Union and Eastern Europe in addition to that from Western Europe, USA and Japan. It is intended for active scientists, and also for advanced students in the following branches of speech communication sciences: linguistics, phonetics, psychology, physiology, acoustics, audiology and telecommunications.

## **Contents**

Vowel Perception

Feature detection and auditory segmentation: consonant perception

Temporal organization of connected speech: prosody



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