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   Proceedings of the First International Symposium on Mathematical Physics, Warsaw, March 197
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Editors: W. D. Keidel, H. Wolter

Facts and Models in Hearing

Proceedings of the Symposium on Psychophysical Models and Physiological Facts in Hearing, held at Tutzing, Oberbayern, Federal Republic of Germany, April 22-26, 1974. Editors: E. Zwicker, E. Terhardt
176 figures. XI, 360 pages. 1974. (Vol. 8)
Cloth DM 43,—; US $17.70 ISBN 3-540-06826-0

Subjects dealt with include scientific problems of hearing, in particular the structure of the cochlea, the mechanical-to-neural transducing mechanism, auditory frequency and time analysis, nonlinear effects, and the central processing of sound. Comments of general interest, made in the discussion, have been added to various papers.

G. Hammarström: Linguistic Units and Items

17 figures. IX, 131 pages. 1976. (Vol. 9)
Cloth DM 38,—; US $15.60 ISBN 3-540-07241-1

This book contains substantial further developments in relation to the units (abstractions) and items (concrete examples) described in the author's previous book 'Linguistische Einheiten im Rahmen der modernen Sprachwissenschaft'. Basic ideas of traditional and structural linguistics are developed to a greater extent than in any previous work.

Digital Pattern Recognition

Editor: K. S. Fu
With contributions by T. M. Cover, E. Diday, K. S. Fu, A. Rosenfeld, J.-C. Simon, T. J. Wagner, J. S. Weszka, J. J. Wolf
54 figures. XI, 206 pages. 1976. (Vol. 10)
Cloth DM 79,80; US $32.80 ISBN 3-540-07511-9

This book provides an overview of recent advances in the area of pattern recognition. Theoretical topics covered include statistical pattern recognition, cluster analysis, and syntactic pattern recognition. Application-oriented topics discussed include picture recognition, and speech recognition and understanding.

Structure and Process in Speech Perception

Proceedings of the 'Symposium on Dynamic Aspects of Speech Perception' Held at I.O.P. Eindhoven, The Netherlands, August 4-6, 1975.
Editors: A. Cohen, S. G. Nooteboom
62 figures. 21 tables. X, 353 pages. 1975. (Vol. 11)
Cloth DM 48,—; US $19.70 ISBN 3-540-07520-8

In the past most research in the perception of speech has been devoted to studying single, optimally pronounced, phonemes, syllables and words. In recent years attention has been shifted to the the ongoing processes by which the semicontinuous acoustic speech signal is interpreted in terms of discrete syntactic and semantic structures. This proceedings volume contains a number of invited papers given to an international symposium.

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