3.2 Two Sound Sources Radiating Partially Coherent or
Incoherent Signals 237
(The influence of the degree of coherence; binaural signal
detection)
3.3 More than Two Sound Sources and Diffuse Sound
Fields 271

4 Progress and Trends since 1972 288
4.1 Preliminary Remarks 288
4.2 The Physics of the External Ear 289
(Transfer functions of the external ear; area function and
termination of the ear canal; analysis of transfer
characteristics)
4.3 Evaluation of Monaural Attributes of the Ear Input
Signals 304
4.4 Evaluation of Interaural Attributes of the Ear Input
Signals 312
(Lateralization and multiple auditory events; summing
localization and the law of the first wavefront; binaural
localization, signal detection, and speech recognition in the
presence of interfering noise; models of binaural signal
processing)
4.5 Examples of Applications 347
(The auditory spatial impression; dummy-head stereophony)

5 Progress and Trends since 1982 369
5.1 Preliminary Remarks 369
5.2 Binaural Room Simulation and Auditory Virtual
Reality 372
5.3 Binaural Signal Processing and Speech Enhancement 393
5.4 The Precedence Effect: A Case of Cognition 409

Bibliography 423
Author Index 481
Subject Index 489