



AALBORG UNIVERSITY
DENMARK

Aalborg Universitet

Design Criteria for Headphones

Jensen, Clemen Boje; Hammershøi, Dorte; Larsen, Kim Alan; Møller, Henrik

Published in:

94th Audio Engineering Society Convention (AES), Berlin, March 16-19, 1993

Publication date:

1993

[Link to publication from Aalborg University](#)

Citation for published version (APA):

Jensen, C. B., Hammershøi, D., Larsen, K. A., & Møller, H. (1993). Design Criteria for Headphones. In *94th Audio Engineering Society Convention (AES), Berlin, March 16-19, 1993*

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal -

Take down policy

If you believe that this document breaches copyright please contact us at vbn@aub.aau.dk providing details, and we will remove access to the work immediately and investigate your claim.

Clemen Boje Jensen, Dorte Hammershøi, Henrik Møller, Kim Alan Larsen

Design criteria for headphones

94th Audio Engineering Society Convention, Berlin, March 16-19, 1993. Abstract in Journal of the Audio Engineering Society, Vol. 41, No. 5, May 1993, p. 392 (paper C2-1)

6:30 pm

C2-1 Design Criteria for Headphones—*Clemen Boje Jensen, Dorte Hammershoi, Henrik Møller, and Kim Alan Larsen, University of Aalborg, Aalborg, Denmark*

Measurements at the eardrums of real listeners are difficult to carry out, and it is shown that they can be replaced by measurements at the input to the ear canal. Design goals for the frequency response measured at this point are given for simulated frontal sound incidence (free-field calibration) and for simulated random sound incidence (diffuse-field calibration). The advantage of open headphones is emphasized.

No Preprint Available

J. Audio Eng. Soc., Vol. 41, No. 5, 1993 May