

# **Binaural And Spatial Hearing In Real And Virtual Environments**

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## **Localizing Sound Sources in a CAVE-Like Virtual -**

In a CAVE-like virtual environment spatial audio is typically reproduced with amplitude panning on Binaural and spatial hearing in real and virtual

<http://dl.acm.org/citation.cfm?id=1246973.1246976&coll=DL&dl=GUIDE>

## **Using Binaural Hearing for Localization in -**

Using Binaural Hearing for Localization in Multimodal Virtual accomplished in a real virtual room. The spatial audio Virtual environment is an

<https://mediatech.aalto.fi/~ktlokki/Publs/grohnica.pdf>

## **Jens Blauert - Wikipedia, the free encyclopedia -**

His major scientific fields of interest are spatial hearing, binaural technology, virtual environments and tele Binaural and Spatial Hearing in Real and

[http://en.wikipedia.org/wiki/Jens\\_Blauert](http://en.wikipedia.org/wiki/Jens_Blauert)

## **Binaural and Spatial Hearing in Real and Virtual -**

Binaural and Spatial Hearing in Real and Virtual Environments. Abouchacra, Kim S.

[http://journals.lww.com/ear-](http://journals.lww.com/ear-hearing/Fulltext/1998/06000/Binaural_and_Spatial_Hearing_in_Real_and_Virtual.9.aspx)

[hearing/Fulltext/1998/06000/Binaural and Spatial Hearing in Real and Virtual.9.aspx](http://journals.lww.com/ear-hearing/Fulltext/1998/06000/Binaural_and_Spatial_Hearing_in_Real_and_Virtual.9.aspx)

## **Binaural and Spatial Hearing in Real and Virtual -**

Binaural and Spatial Hearing in Real and Virtual Environments - Kindle edition by Robert Gilkey, Timothy R. Anderson. Download it once and read it on your Kindle

<http://www.amazon.com/Binaural-Spatial-Hearing-Virtual-Environments-ebook/dp/B00IN3M9NM>

### **Holophonics - Wikipedia, the free encyclopedia -**

Holophonics is a binaural to indicate that the holophonic or binaural recording is adequate to reproduce realistic spatial recordings comparable to real

<http://en.wikipedia.org/wiki/Holophonics>

### **Development of Binaural and Spatial Hearing - -**

References. Arbogast, T. L., Mason, C. R., & Kidd, G., Jr. (2002). The effect of spatial separation on informational and energetic masking of speech.

[http://link.springer.com/chapter/10.1007%2F978-1-4614-1421-6\\_6](http://link.springer.com/chapter/10.1007%2F978-1-4614-1421-6_6)

### **An Introduction to Binaural Processing - Springer -**

and T. Poulsen, editors, Binaural processing and spatial hearing, Binaural and spatial hearing in real and hearing in real and virtual environments,

[http://link.springer.com/chapter/10.1007/978-3-642-37762-4\\_1](http://link.springer.com/chapter/10.1007/978-3-642-37762-4_1)

### **Evaluating the benefit of hearing aids in solving -**

in noisy situations affects binaural hearing, Spatial benefit of hearing aids, . presented at the Hearing in Real and Virtual Environments.

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2836772/>

### **Binaural sound source localization in real and -**

AES 2008 Binaural sound source localization in real and virtual rooms perceptions of spatial hearing, acoustic modeling of virtual environments.

[http://www.academia.edu/3464895/Binaural\\_sound\\_source\\_localization\\_in\\_real\\_and\\_virtual\\_rooms](http://www.academia.edu/3464895/Binaural_sound_source_localization_in_real_and_virtual_rooms)

### **Binaural and Spatial Hearing in Real and - -**

The current popular and scientific interest in virtual environments has provided a new impetus for investigating binaural and spatial hearing.

<http://www.psypress.com/books/details/9780805816549/>

### **Binaural and spatial hearing in real and virtual -**

This paper reviews current approaches to designing virtual environments and investigates aspects of influence in designing auditory spaces to support novel forms of

<http://citeseerx.ist.psu.edu/showciting?cid=3322390>

### **Spatial Audio Publications - CIPIC International -**

Spatial Audio Publications. "Effective Use of Psychoacoustics in Motion Tracked Binaural audio Binaural and Spatial Hearing in Real and Virtual

<http://interface.cipic.ucdavis.edu/pubs/>

### **AES E-Library Analyzing Virtual Sound Source -**

AES E-Library. Analyzing Virtual Many traditional models of binaural hearing deal only  
Gilkey and T. R. Anderson, Eds., Binaural and Spatial Hearing in Real  
<http://www.aes.org/e-lib/browse.cfm?elib=12110>

### **Virtual Spatial Sound - Springer -**

Virtual Spatial Sound function, in Binaural and Spatial Hearing in Real and in Binaural  
and Spatial Hearing in Real and Virtual Environments,  
[http://link.springer.com/chapter/10.1007/1-4020-7769-6\\_13](http://link.springer.com/chapter/10.1007/1-4020-7769-6_13)

### **Principles and Applications of Spatial Hearing -**

art in spatial hearing and virtual entitled "Binaural and Spatial Hearing in Real and  
Virtual Environments" on Binaural and Spatial Hearing,  
[http://www.beck-shop.de/fachbuch/vorwort/9789814313872\\_Intro\\_001.pdf](http://www.beck-shop.de/fachbuch/vorwort/9789814313872_Intro_001.pdf)

### **Localization, hearing impairment, and hearing aids -**

hence binaural localization cues eds. Binaural and Spatial Hearing in Real and Virtual  
Environments. eds. Binaural and Spatial Hearing in Real and  
[http://journals.lww.com/thehearingjournal/Fulltext/2002/06000/Localization,\\_hearing\\_impairment,\\_and\\_hearing\\_aids.3.aspx](http://journals.lww.com/thehearingjournal/Fulltext/2002/06000/Localization,_hearing_impairment,_and_hearing_aids.3.aspx)

### **Ranjan Batra - University of Mississippi Medical -**

Ranjan Batra, PhD Associate convey information about different aspects of the acoustic  
environment to higher and Spatial Hearing in Real and Virtual  
[https://www.umc.edu/Education/Schools/Medicine/Basic\\_Science/Neurobiology/Ranjan\\_Batra.aspx](https://www.umc.edu/Education/Schools/Medicine/Basic_Science/Neurobiology/Ranjan_Batra.aspx)

### **Precise Near-to-Head Acoustics with Binaural -**

near-to-head sources for a freely moving listener in room-mounted virtual environments  
and stable real-time binaural human spatial hearing.  
<http://www.jvrb.org/past-issues/3.2006/589>

### **2 - Spatial localization and binaural hearing - -**

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<http://ebooks.cambridge.org/chapter.jsf?bid=CBO9780511754777&cid=CBO9780511754777A014>

### **New Technology and Spatial Resolution Donald J -**

When faced with the task of listening to speech in a challenging environment, spatial and  
binaural hearing in Binaural and Spatial Hearing in Real and  
<http://www.audiologyonline.com/articles/new-technology-and-spatial-resolution-938>

### **Evaluating spatial sound with binaural auditory -**

is analyzed with a binaural auditory model. 2 Spatial Hearing Spatial and real or virtual sources in Hearing in Real and Virtual Environments

<http://quod.lib.umich.edu/i/icmc/bbp2372.2001.097?rgn=main;view=fulltext>

### **P3-7 Spatial Hearing and 3D Sound Technology -**

P3-7 Spatial Hearing and 3D Sound Technology. "Dynamic Aspects of Auditory Virtual Environments" "Application of binaural synthesis for auditory virtual

<http://acoustics.aau.dk/~sko/3d/>

### **Gilkey (Author of Binaural and Spatial Hearing in -**

Gilkey is the author of Binaural and Spatial Hearing in Real and Virtual Environments (0.0 avg rating, 0 ratings, 0 reviews, published 1997)

<http://www.goodreads.com/author/show/2055790.Gilkey>

### **AES E-Library Motion-Tracked Binaural Sound -**

AES E-Library. Motion-Tracked Cues," in Binaural and Spatial Hearing in Real and Virtual Environments, External Ear," in Binaural and Spatial Hearing in Real

<http://www.aes.org/e-lib/browse.cfm?elib=13028>

### **Binaural Technology For Virtual Reality | -**

binaural technology for virtual intrusive virtual environments is gaining more and more importance but was create complex acoustical scenes in real

<http://www.e-bookdownload.net/search/binaural-technology-for-virtual-reality>

### **2005, 1 | Electronic Journal Technical Acoustics -**

Binaural and Spatial Hearing in Real and Virtual Measurement, Spectral Evaluation and Practical Use in Virtual Audio Environment. PhD Thesis, BTU

<http://ejta.org/en/wersenyi1>

### **Raymond Dye: Loyola University Chicago -**

with an emphasis on binaural hearing and sound multisource acoustic environments, Binaural and spatial hearing in real and virtual environments (pp

[http://www.luc.edu/psychology/facultystaff/dye\\_r.shtml](http://www.luc.edu/psychology/facultystaff/dye_r.shtml)

### **Using binaural hearing for localization in -**

Using binaural hearing for Using Binaural Hearing for Localization in Multimodal Virtual accomplished in a real virtual room. The spatial audio

[http://www.academia.edu/2744762/Using\\_binaural\\_hearing\\_for\\_localization\\_in\\_multimodal\\_virtual\\_environments](http://www.academia.edu/2744762/Using_binaural_hearing_for_localization_in_multimodal_virtual_environments)

## **How People Process Auditory Information - American -**

How People Process Auditory Information. is driven by the desire to produce virtual reality environments. Binaural and Spatial Hearing in Real and Virtual

<http://www.afb.org/info/how-people-process-auditory-information/5>