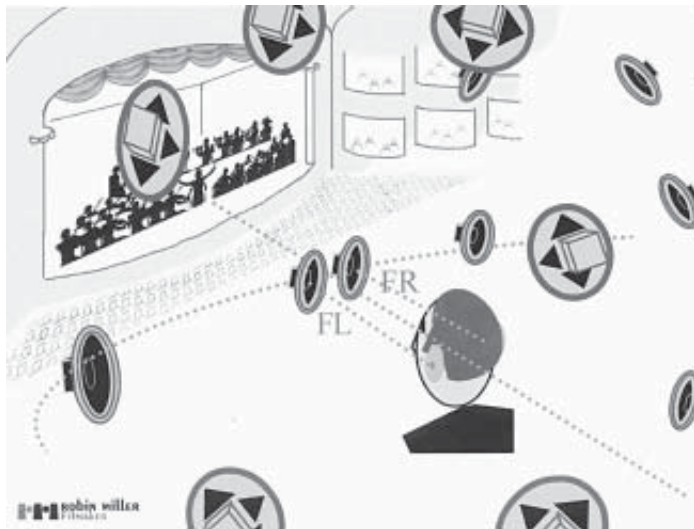# AES Italia 2007 - demonstrations...

Ambiophonics 2.0 - RACE

Recursive Ambiophonic Crosstalk Elimation (RACE) is implemented in Tact RCS2.2 and downloadable free from www.ambiophonics.org. Ambio, for short, works on most existing stereo recordings, exhibiting a spacious and accurate 120 degree stage unattainable with conventional stereo speakers. Surround hall ambience is achieved by convolving the stereo signal with 3D impulse responses of the worlds' finest halls. 5.1 surround recordings may be played over four speakers using a second Ambiodiple in back, as in PanAmbio 4.1.

Demonstrations in the Engineering Listening Lab, Casa della Musica, U. of Parma, Italy

PanAmbio 4.1/ TriAmbio 6.1

PanAmbio, for short, adds a second Ambiopole (stereo dipole) in back for spatiousness/envelopment AND accurate 360 degree localization lacking in 5.1 surround. Panorambiophonic recordings (see www.filmaker.com) can play compatibly on 5.1 layouts, but at the expense of this accuracy. Specially-recorded triple-dipole recordings add a third Ambiodiple overhead for 3D with height.

Demonstrations in the Engineering Listening Lab, Casa della Musica, U. of Parma, Italy
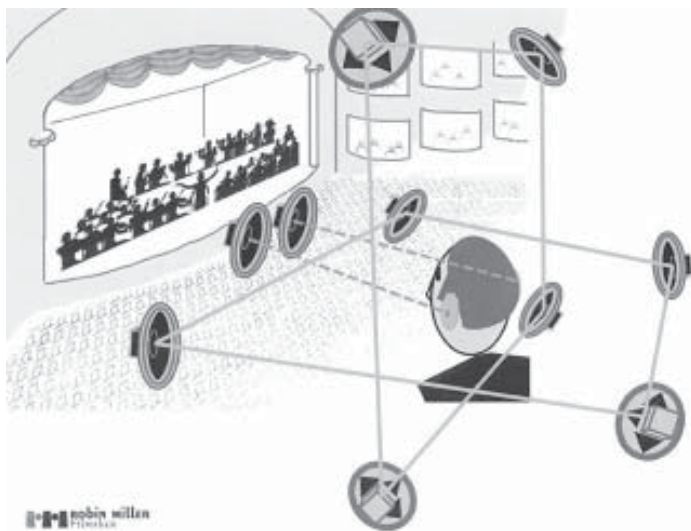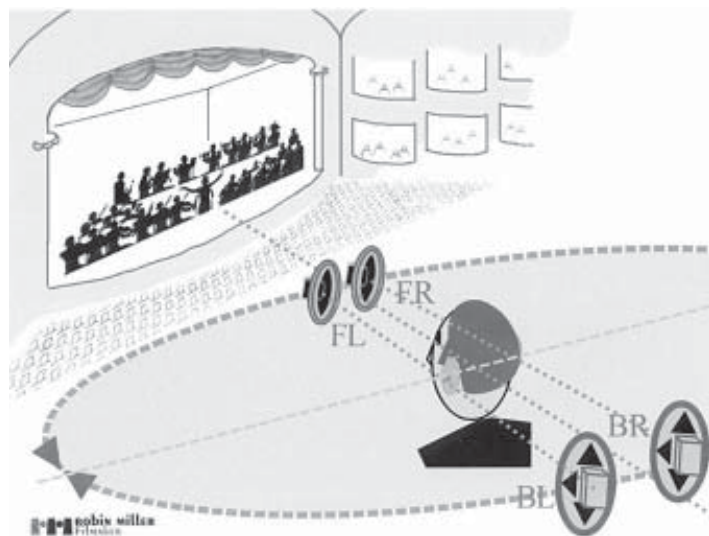
HSD-3D hybrid full-sphere Ambiophonics+Ambisonics

High Sonic Definition (HSD) 3D/2D combines Ambiophonics' 120 degree, accurate front stage and directly-recorded 3D surround, transformed (pat. pend.) to play in 5.1/6.1 home theaters with no decoder. Users ready for the full 3D experience add a decoder and 4 or more speakers that play the transformed tri-play release.

Demonstrations in the Engineering Listening Lab, Casa della Musica, U. of Parma, Italy

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