Subject: Advantages of getting a 3D speaker
Posted by Lancelot on Wed, 24 Feb 2010 23:42:37 GMT
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What are the advantages of getting a 3D speaker compare to a conventional surround speakers. I read a review about 3D speakers work like the conventional speakers that we place around the room but the 3D speaker is just located in front or below the TV stand.

Which do you think would be cheaper to buy?

Subject: Re: Advantages of getting a 3D speaker
Posted by Wayne Parham on Thu, 25 Feb 2010 02:24:49 GMT
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If what you want is loudspeakers that create a very good illusion that sound sources seem to be coming from places matching what you're seeing on the screen, then I would suggest studying the topics of constant directivity, uniform reverberent field, Haas effect, localization and the concept of balancing the stereo image using sound sources with constant directivity aimed to cross in front of the listening area. This orientation obviates a center channel for all but the largest of screens. I would still recommend surrounds for home theater, of course, but the stereo imaging of a pair of properly setup constant directivity speakers is spooky good.

AudioRoundTable.com search results:Constant Directivity
Uniform Reverberent Field
Haas Effect
Localization
Imaging, placement and orientation