Subject: Re: Dipole Speakers (particularly ESL)
Posted by AudioFred on Sun, 23 Oct 2011 12:21:15 GMT
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A very good and useful summary!

Here's the link to a similar summary by Duke Lejeune about the placement of bipole speakers. Duke suffers from bipolar disorder, but when he is on his meds his ramblings about the technical characteristics of speakers that fire out of the front and the rear make perfectly good sense.

The linked discussion is about bipole speakers (Audiokinesis), where the front and rear waves are in phase, versus dipoles (Magnepan, Martin Logan), where the waves are 180 degrees out of phase. Bipoles load the room with bass very differently from dipoles, and also differently from hybrid speakers like Martin Logans that usea monopole woofer. However, the midrange and treble behave approximately the same with all types, and this very large frequency range is where the soundstage is created.

Duke recommmends a placement of at least 3.5 feet from the rear wall, and preferably five feet. My experience with Magnepans confirms this.

http://www.audiocircle.com/index.php?topic=56877.0