Subject: A Smaller Constant Directivity Pi?
Posted by rkeman on Sat, 05 Oct 2013 12:11:43 GMT
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The proliferation of home theater has changed the audio industry landscape. The addition of more channels has stretched the capability of amplifiers, processes and speakers in an environment now requiring as many as nine loudspeakers (right and left front, sides, rears, front height and front center) in a room. Mixing surround material has also changed over the past decade in both the music and motion picture industries and a diffuse surround layout appears to have lost favor.

Given these changes, has there been any thought of developing a smaller format constant directivity two-way for use in the secondary channels? Hsu Research has a small in wall horn-loaded two-way that I've heard in a few systems and the DIY Sound Group has a few smaller systems available, but loudspeakers sharing the same tonal and spacial qualities the large Pi models would pe preferable. Perhaps a "super" 1 or 2Pi?

Subject: Re: A Smaller Constant Directivity Pi?
Posted by Wayne Parham on Sat, 05 Oct 2013 14:40:45 GMT
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I've made several variations of constant directivity cornerhorn over the years. The smallest one used a JBL 2115 in a very small cabinet, only about a cubic foot. Very nice sounding speaker, I might add.

I've experimented with both two-way and three-way implementations of the constant directivity

what can be done in a two-way format. I do feel the current three-way designs are better though.

they are designed to be best-of-class offerings. I didn't have to compromise any aspect of either design.