Subject: Four Pi and BSC
Posted by Anthony Dockrill on Sun, 01 Feb 2009 11:14:20 GMT
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Hi,I was wondering if the Four Pi has been designed to take into account baffle step Correction? If not does a crossover design exist that has say 3-4db of BSC? I prefer not to put speakers against the wall to get the correct tonally balance.Cheers,Anthony

Subject: Re: Four Pi and BSC
Posted by Wayne Parham on Sun, 01 Feb 2009 17:16:51 GMT
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Baffle step correction isn't wanted or needed for these speakers. They're designed for uniform power response over a wide area, and baffle step is really specific to on-axis response. Even if considering just the forward axis, speakers with baffles smaller than about 18" might benefit from BSC, but I think larger speakers make it inappropriate. Any baffle step would be near the room's Schroeder frequency, so baffle step has little meaning. Sound progagation is transitioning from modal to reverberent in this range and the relatively small EQ provided by a BSC circuit would be overwhelmed by room influence.What I would suggest is setting up the speakers as shown in the links below. If you add subwoofers, you'll not only increase bass extension but also smooth room modes. That's the best way to provide smooth balanced response in the modal region.Positioning