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Subject: Re: 3Pi or 4Pi?

Posted by [Wayne Parham](#) on Sat, 02 May 2020 18:35:13 GMT

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though, and they're large enough that baffle step happens right about the Schroeder frequency. So below the baffle step, we're in the room's modal region.

Instead of adding energy into the mains to compensate for baffle step - or worse yet, removing energy above the baffle step as it usually done with BSC filters - it's nice to be able to use a flanking sub approach. This provides simultaneous solutions to three important acoustic problems:

- Provides baffle step correction (BSC)

- Mitigation of Speaker Boundary Interference Response (SBIR) and higher-frequency room modes

- Provides deep bass extension

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