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Subject: Re: Speaking of Darren's project...

Posted by [Wayne Parham](#) on Fri, 16 Mar 2007 15:19:48 GMT

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Rolloff up high is from comb filtering, which is caused by interference between drivers. Below the frequency where that begins to happen, each driver's output sums together. The summing averages the response of the drivers and the reflections in the room. This averaging effect greatly reduces the cancellations that result from room reflections compared to a single omnidirectional point source, particularly the notches caused by floor and ceiling bounce.

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