Subject: comb filter distorsion
Posted by j.luis cruz . on Sun, 04 Mar 2007 15:15:22 GMT
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Hy .. how does sound comb filter distorsion ?

Subject: Re: comb filter distorsion
Posted by Marlboro on Sun, 04 Mar 2007 19:12:46 GMT
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Comb lining will dull the highs and will be most noticeable in the lack of air (dull highs) especially as you move off axis. Essentially, the high frequencies are rolled off as the ensemble of the tweeter outputs don't add up but start to cancel. Now the ear is less sensitive in the upper octave (10-20 kHz) you may not observe the full impact of this effect. But if you compare to an array that is properly designed, then there is no comparison as the proper array will yield a more airy (and accurate) sound.Jim Griffin on PE 11-21-06

Subject: Re: comb filter distortion
Posted by Marlboro on Sun, 04 Mar 2007 19:16:06 GMT
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THE SAME THING CAN HAPPEN IN the upper midrange if you cross your midranges to high also, and this will be much more noticable and won't require a comparison with a "properly designed array" to hear.Marlboro