
Subject: Re: plans for single frequency electronic crossover?

Posted by [Marlboro](#) on Tue, 20 Oct 2009 03:25:00 GMT

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Re: "...To further complicate it, the electrical transfer function of a passive crossover is influenced by the impedance of the drivers in the cabinet, They actually become a part of the filters. So to find the electrical transfer functions you have to know not only the passive component values in the crossover but also the impedance of the drivers in the cabinet."

So... I understand what you are saying.....but!

But you have an implication here that doesn't jive with my ears: Those of us who have built line arrays from scratch ourselves and then used a standard electronic crossover like the Rane AC-23 with its 24db/octave cross, have decided on the crossover frequencies, and simply done it.

This would suggest that my system should sound like crap unless I was just plain lucky with my selection of speakers for it.

Or something else is involved....

And without doing anything other than setting the crossovers and then listening to different variations around the frequencies I've chosen, my ears tell me they sound just great.

What am I missing here?? Are my ears just too old? Just barely not as old as Fred, but from your pictures, way older than you.

Marlboro
