Subject: Xover choices and my issues(long)
Posted by Mike.e on Tue, 26 Oct 2004 01:41:54 GMT
View Forum Message <> Reply to Message

Hi allThis post consists of the backround info ,a Question about my future system,and a thanks at the end.StoryAfter going to the FRD consortium I read the Phase files and downloaded the programs. I became convinced that absolute phase was necessary since1) "Square waves are a good test of a speakers time linearity"2) "A speaker that can pass a square wave well sounds better"3) Pv consultants are 'experts' so i should beleive them!4) Even a couple on AA agreed with square wave testing.It pretty much made sense - Although Kreskov failed to tell us - or measure exactly how much better his 'Magic speakers' are with all the phase linearity they have!Then after reading Rod Elliots and Waynes files on phaseI was told that1) Square wave testing doesnt actualy matter2) You can get a good square wave response by moving the measurement mic around the room3) Absolute phase isnt audible but relative phase isAnd Rod Elliot seems like another down to earth physics and truth guy!ConclusionIts nice to have some fact around here! I was getting (even more!) worried about my next 3.1 way horn system and how to filter it !!-Active Filtering-Id prefer high order linkwitz riley filtersQuestionIn the PI crossover document the issues of passive crossovers and resonance between reactive components are explained and dealth with.Using active filters i wont have to worry about MOST of that.-Can my Active Filter circuit simply be chosen by Order and Fc and thats it? Im not after Audiophile sound-After all the music i listen to is Made in a studio with synths and computers and is only heard live at venues on systems that sound worse than mine Also considering Directivity,Horn Types etc.(if i can figure out a 70hz-300hz midbass horn i can fit il be doing that rather than 12"/15" direct radiator!Thanks to wayne for putting the time and effort into educating and helping people around here! Now,where did i see that version of spice with a nice GUI!Regards,Mike.e
FRD tools etc