Subject: about name of forum
Posted by Yury on Wed, 28 Jul 2004 11:31:20 GMT
View Forum Message <> Reply to Message

exuse me Wayne!what means name of this forum? why PiSpeakers?

Subject: Re: about name of forum
Posted by Wayne Parham on Wed, 28 Jul 2004 15:21:00 GMT
View Forum Message <> Reply to Message

when building loudspeakers. It's used in the reactive formulas for the crossovers. It's used to calculate resonance of the cabinet. It's used to describe radiation angle. It's used to calculate cross-section areas of speakers and horns. It's just used everywhere. Another thing was that in

transcendental number, I was always just fascinated by it. It has an almost magical quality, and I always liked mathematical concepts like that.

Subject: Re: about name of forum
Posted by Yury on Wed, 28 Jul 2004 16:39:34 GMT
View Forum Message <> Reply to Message

oh!thank's for well-grounded reply.I have some experiece for crossover. but it's a realy difficult part of DIY speaker.let's talk about it. I have some ideas, but I need more
http://www.artmaydan.org.ua/stradivarius.html

Subject: Re: about name of forum
Posted by Wayne Parham on Wed, 28 Jul 2004 18:53:14 GMT
View Forum Message <> Reply to Message

I think that different types of speakers need different crossover types. Some more of my thoughts are in the links in the post called "A few useful links."

Subject: Re: about name of forum

Posted by Yury on Thu, 29 Jul 2004 12:18:29 GMT
View Forum Message <> Reply to Message

hello Wayne!I couldn't write to "A few useful links.". and I think it's forum about passive crossover. I would talk about active one.can I?
http://www.artmaydan.org.ua/stradivarius.html

Subject: Active Crossover
Posted by Wayne Parham on Thu, 29 Jul 2004 13:13:56 GMT
View Forum Message <> Reply to Message

crossover. The model is made for PSpice and is based on the Steve Bench active crossover. Circuit boards are available.

Subject: Re: Active Crossover
Posted by Yury on Thu, 29 Jul 2004 13:30:34 GMT
View Forum Message <> Reply to Message

oh! I see. but this is unregulated version. it's ok. but me and other maybe has interest for regulate cutoff frequency, phase, level output signal.... more interesting will be for low freq output which is a difference between stereo output (filtered) and stereo input. I mean stereo output is from 80 hz to inf, and sub chanal is from 0 to 80 hz.not sure do you understand my statement :) ok. short story. anecdote, funny story, joke:A programmer(P) is handing out completed task (conception, prorgam, design).Customer(C) is nodding assent with satisfaction and agree with everything.C: It seems everything is okay !P: Excellent, you owe 1700.C: (is giving the money): Well, I hope if it will be need to make some changes I can ask you about it ?This work is not - made and forget ?P: Sure, it depends on what and how to change.C: Yeah, I will not say "Lets to remake it all".P: Yes, of course. By the way, one more question - may I, in future if I will need a money or got problems,I will ask you to get some money ? (A little bit, it is very rarely, it will not be a problem for you)C: (wondering with his mouth widely open)P: Don't worry, of course I will not ask you "Lets pay me for this task again !"
http://www.artmaydan.org.ua/stradivarius.html

Subject: Re: Active Crossover
Posted by Wayne Parham on Thu, 29 Jul 2004 14:06:56 GMT
View Forum Message <> Reply to Message

Good story. You're right that there are no external adjustment knobs on this crossover. You set crossover frequencies by changing components. I suppose you could make it switch selectable between a few set frequencies though. That's one thing about building your own. You can pretty much make whatever you want.