Subject: Re: fostex design search results, (long, tedious, boring and insignificant)
Posted by TC on Wed, 22 Sep 2004 03:03:10 GMT
View Forum Message <> Reply to Message

>>Understand from where my position comes; that in fact I have always understood the purpose of a full range driver to be an attempt to avoid the deleterious effects of passive components on the speed and ability to resolve complex passages in the signal. ==cookie for manualblock! Studying systems, *anthropologically* one arrives at this logical approach above. Crossovers, passive elements made the Ar3a the flattest measuring speaker since Hirsch Houck Labs rocked to the Tijuana Brass in 1964. I listened to the 3a alot with Cat Stevens, early Eagles and flat was good. Not very dynamic but flat nonetheless.If your system sounds imbalanced? Got news, it IS. Adding passives at the last step in the chain is like giving up, tossing in the towel because the rest of the system has failed to do it's job properly.Why not tune the rest of the system actively? Keep that bloody speed and tonality only obtainable by directly connecting one voice coil to one output circuit. By using amps and sources with characteristics "cheeuned"(tuned)for optimum (overall)performance, you mitigate response anaomalie where it won't be passed on down the line. If you are using low "refined" power, even a small xtra coil results in sonic wavy gravy and compresion because now you have 2 inductors in a row (voice coil + comp coil)which is always avoided in any circuit, except seemingly, speakers. Why do amp builders obsess over coupling caps types brands flavors? Have a nice transformer coupled amp with no caps n resistors in the signal path? Gonna spoil everything the amp builder did to bring you gobs of dynamics and tonal complexity by using a gob of parts at the end of the amp loop (spkr cirkut)?It's really all about *expectations*. How much dynamics do you expect? How much dynamics will your wife allow in her living room. Do you mind some power compression at moderate volumes? How do you know what your hearing is right? Instruments? Do you know the pain of a violin? TC