Subject: Re: Pre Compensation Load on X-OVERS and L-Pads
Posted by dB on Fri, 06 Jan 2006 10:50:24 GMT
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Hi and thank you very much to take from your time to answer my questions. First, I would like to ask you what are the advantages of using the compensation circuit on the “right side” of R2 instead of the ones on the left side like the L-Pads from lalena.com and others. They seem to deliver less wattage to the speaker trough the process and to “burn more energy to the air”, if I have my two pages of numbers right and not taking in consideration reactances from the capacitor for the break frequency and the one´s from the main circuit.Example LPad – Driver Attenuation Circuit for –2.4 dBR1=1.93 Ohm, R2=25.14 Ohm, Speaker=8 OhmFor a Total of 300Watts: R1=72.4 Watt, R2=172.7 W, Speaker-54.9 WWith and after compensation on R1: R2=227.6 W, Speaker-72.4 WWith your Compensation+precompensation Circuit for –2.4 dBR1=2.5 Ohm, R2=34 Ohm, Speaker=8 Ohm (Attenuators from page 23 of your Paper)For a Total of 300Watts: R1=16.8 Watt, R2=229.2 W, Speaker-54 WWith and after compensation on R1: R2=243 W, Speaker-57 WI just happened to find a site to - Calculate the resonant frequency of a capacitor and inductor - http://www.mhsoft.nl/Mysystem/Reactance.asp - that I was asking for in my first question to you. Do you think this is good/right for Hi-Fi filter calculation. Does a resistor, like the one’s on attenuations, change this (the resonant frequency) or not? I am learning on how to work w/ SPICE. Is there a website for Speaker File Spice Databases? Thanks again.Best Regardsda Bastos