
Subject: Re: A few useful documents

Posted by [Wayne Parham](#) on Sat, 01 Nov 2003 20:09:09 GMT

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Check your copy of the Spice executable. You might want to simply download it again and reinstall. I checked the distribution file by downloading it and installing it, and it worked.

Sometimes stuff happens to the files on the server; Usually as a result of a move or modification I've done. So I had expected to find something wrong with the distribution file. But I downloaded it and setup using "aimsp32.exe" stored inside the "Pi_Crossover_Spice.zip" file on the server.

Everything worked just fine. About the crossover, yes, resistance changes the load and so it alters the transfer function. The crossover point and damping (Q) are affected. In fact, that's precisely

response of the base filter. We needed to create top-octave compensation that is the conjugate of the driver's power response. To do that requires 6dB/octave augmentation after an initial shelf of flat response. We also need about 10dB padding. And it just so happens that these things shift the base filters enough that they sum nicely given the baffle spacing of the drivers. All these things are needed of the crossover, otherwise, it would not work for our purpose.