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Subject: Re: altec gear in a pi box??

Posted by [Wayne Parham](#) on Sat, 27 Jul 2002 05:57:37 GMT

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Check out the "Pi Alignment Theory" document. This shows what I do to align a cabinet - To pick a size and to tune it to specific frequency. It's based largely on the application of a Helmholtz resonator to provide specific frequency-sensitive loading for the woofer diaphragm. This can be likened to having a mass on a spring, and damping it with another mass on a spring which combines together in a complementary fashion. I don't know specifically where to find more information on the internet, but I suspect there's tons of it out there. First, do a search for "Helmholtz" to find information on his work. Then, do a search for "Thiele" and "Small" for information about theirs. I'm not sure you'll find the work of Brian Davies online, but I've got a copy of his excellent implementation paper, which I can make available if you're interested.

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