Subject: 4 Pi crossover
Posted by Joe Sever on Fri, 11 Mar 2016 01:41:56 GMT
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Wayne,

As I have made a few changes to my speakers recently, and plan to do a few more, I thought I might as well check in regarding the latest version of the 4 Pi crossover.

Specifically, I've installed a pair of H290 to replace the SEOS-12 (big improvement).

I'm about to move from the Omega Pro-15A to a woofer that I've rather not reveal just yet (Qts = 0.32; Fs = 35 Hz), but which at 99 dB is roughly 2 dB more efficient than either the 2226H or the Omega.

My compression driver is 110 dB efficient, making the delta of 11 dB fairly close to that between the 2226H and DE250.

I'm certain I don't have an Rs or C1 in my crossover, and currently R1/R2 are 30 ohms/14 ohms.

I believe that the new values should be:
Rs = 16 ohm
R2 = 16 ohm
R1 = anywhere from 15 to 25 ohms?!

I'm finding what appears to be conflicting (or perhaps just outdated) information on how to determine R1.

I'd appreciate your guidance, or at the very least the latest schematic.

Cheers,
Joe