Subject: Re: resistive load
Posted by johnnycamp5 on Fri, 04 Sep 2020 13:57:32 GMT
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Much obliged Wayne....

Particularly, paragraphs 4 and 5 clear up some notions I had about the subject.
The remainder of your response also answers some of my questions regarding the reaction to a loudspeakers mechanical parameters (the mass and compliance you mention).

Related-
I'm looking to build a pair of corner line arrays (this winter) using 30 full range 3.5" drivers (actually about 2.5") per side..
In this case no crossovers involved, just some dsp is necessary to correct an inevitable 20db falling FR.
Approx. 104" tall, the enclosures are to fit tightly into the left and right front corners.
The front baffle should not exceed 9" wide, roughly 4.5" out from the apex (corner) so shaped like a triangle from an overhead perspective.

I do expect there to be some measured mid range "ripple" but I'm hoping its not too stark for actual listening (enjoyment) purposes..

These drivers have a 8oHm nominal impedance, with a spike to +- 20 oHms at around 125hZ-

https://www.parts-express.com/pedocs/specs/264-1062--tymphany-tc9fd18-08-spec-sheet.pdf