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Subject: Widerange midwoofers, specs, and x-o pts...

Posted by [darkmoebius2](#) on Tue, 22 Sep 2009 02:17:54 GMT

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I just wanted to open a general discussion about widerange mid drivers(3" & 4") and the most desired aspects from a specs POV.

In a perfect world, we could easily find an affordable driver capable of 80-6,500Hz FR with a nice, smooth, curve and rolloff at both ends of the spectrum. But, this isn't a perfect world.

Seeing how, in most cases, one has to crossover to both the LF and HF drivers at 1/2 to a full octave before the actual crossover point, one likely has to trade off one end of the FR against the other.

So, let me ask which is a better trait in a world of compromises (assuming one starts an array from the mids out) - extension below 120Hz or smooth highs above 3.5kHz? taking into account that comb filtering effects likely kick in above that point?

Is this a too simplistic view?