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Subject: Re: Standing wave calculator?

Posted by [Wayne Parham](#) on Thu, 02 Sep 2010 20:50:36 GMT

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Sorry, I don't know where there are any calculators for this purpose. Martin King had some for a while but I understand he stopped making them available.

You can calculate the positions of standing wave nodes to avoid manually. That's what I used to do. It's a long, boring process but not too hard. It certainly wasn't any more trouble than calculating phase at various listening angles. That's something else I used to do during the design phase. You really had to know that, to know where the forward lobe would be, finding its edges, where nulls would form.

There are lots of things to juggle. In the end, you might find it easier to build a test speaker and measure it, watching for blips in the midrange. Maybe make one with a replaceable front baffle, so if it doesn't measure well, you can put the woofer and/or port in a different location and try again.