
Subject: PiAlign nomenclature

Posted by [Wayne Parham](#) on Mon, 12 May 2003 06:43:45 GMT

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Look at the "readme.txt" file in the distribution archive of PiAlign, as it explains what the input values are, and what they mean. There is also a substitution guide contained therein. Basically, you can use Vas for Vad, Fts as Frd and $1/Qts$ as Qd. If you carefully examine the suggestions produced by PiAlign, you'll notice a trend.

Generally speaking, most PiAligned cabinets are overdamped or what I would call EBS like. They are also often smaller than the box required for deepest flat response. Specifically, woofers having Qts less than about 0.4 are likely to be slightly overdamped and those with Qts greater than 0.4 are likely to be a little underdamped. Woofers with very high Q above about 0.7 tend to produce a curve that is like a shallow EBS.