Subject: Re: Hi-Efficiency vs Lo-Efficiency Speakers
Posted by Wayne Parham on Thu, 13 Jan 2005 14:37:55 GMT
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Actually, I think the main point of the paper was to describe the benefit of the shorting ring for ferrite structures. The comparisons shown are alnico and ferrite, with and without a shorting ring. There is an illustration of a non-symmetrical gap but the data doesn't compare it to a physically symmetrical ferrite model without a shorting ring. The paper is mostly about flux modulation, not so much about static symmetry.But static symmetry is important too. I'll look around and try to find some comparitive data somewhere. In the meantime, a simple thought experiment should suffice. If gap geometry provides more force in one direction than the other, then motor movement will be asymmetrical, even without considering flux modulation. The shorting ring resists flux modulation, but statically symmetrical flux in the gap is important too.