
Subject: Re: Harmonic distortion Thanks! A follow-up, please?

Posted by [Mike.e](#) on Sat, 21 Aug 2004 05:51:09 GMT

[View Forum Message](#) <> [Reply to Message](#)

Check in your local library for audio technical books. I had one with a picture of the B&W Re % and db, no because db are log scale. "Distortion is higher at 20 Hz than at 30 Hz even though the displacement is the same. This is a curious result. The fundamental drops $40\log(30/20) = 7$ dB, as expected. The 2nd and 3rd harmonics, though, remain at nearly the same sound level, as the voice coil swings through the same range for each of the excursion dependent non-linear parameters. Thus the distortion percentage increases"-I don't think so-
Linkwitz lab
