
Subject: Re: Intermodulation, phase and Doppler distortion, and then some
Posted by [Wayne Parham](#) on Sat, 12 Aug 2006 21:01:30 GMT

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

I agree with you on what you're saying about phase. I didn't go into the matter in much detail, but did provide some links that did. Phase in and of itself isn't audible, but the summing of two signals having a particular phase relationship is potentially audible. When a phase inversion causes a reduction in amplitude, that's audible. So it isn't actually the absolute phase that's audible, it's the frequency anomalies that can result from interaction of two signals that cancel. Of course, when phase moves so far as to become an echo, that's audible too but it's a different issue. Crossovers and phase shifts Baffle spacing, crossovers and phase angles Phase, delays and offset baffle spacing Baffle spacing, phase angles and time alignment, revisited Audibility of Phase Holism and Reductionism - Fourier Series Crossover nulls Horn Phase Transient Perfect Crossovers "Can't reproduce a square wave" A few more useful documents
