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Subject: questions.....

Posted by [Anonymous](#) on Sat, 19 Oct 2002 03:54:45 GMT

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How does the ear perceive a low frequency note when the wavelength is so large and you are standing next to the subwoofer? I've heard so many debates, ie, some say you can't hear a 20hz - 50hz note inside the car but your neighbors can hear the bass due to the large wavelength. Other people will say that good headphones can produce 20hz - 50hz notes and you can hear it. Some also say that in order to hear those low frequencies in a movie theater, one should sit in back. When we hear low frequencies up close, do we really hear the actual frequency in question coming from the woofer or do we hear the actual frequency after the wave has completed the cycle in which case it has bounced around the room for a bit? My personal experience is this. If I hear a car playing low bass notes from a distance, I don't hear those same low notes if I sit inside the car, but you do feel the pressure. Are you just feeling the pressure, but not hearing the actual low frequencies? In movie theaters I also hear much lower bass if I sit in the back vs. sitting in front in which case I hear mostly tweeters. Same theater I go to and they have the subs up front. When I put headphones on and listen to a 40hz-50hz tone, I do hear something like fluttering. Am I really hearing the true 40hz tone or am I hearing something else?