Subject: Flutter Echo
Posted by audioaudio90 on Sat, 23 Oct 2010 14:03:28 GMT
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How do you deal with nasty flutter echoes? They set my teeth on edge! In non-audio rooms, I usually put up a picture or two and that gets rid of it.

Subject: Re: Flutter Echo
Posted by Wayne Parham on Sat, 23 Oct 2010 17:20:42 GMT
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I find HF "slap" (or multiple slaps, i.e. flutter echo) to be a problem in rooms with a lot of hard surfaces and little furniture or carpeting. Fortunately, most people don't set up their sound systems or home theaters in rooms like that, although I can recall one room with hardwood floors that did it very badly.

Obvious stuff helps a lot. Bookshelves placed on the opposite wall from the mains provide a natural diffusion that breaks up the rear reflection. Using directional speakers and toeing them in helps reduce side reflections. Carpeting helps reduce reflections from the floor, at least at frequencies above the modal range. That only leaves ceiling slap and my best advice there is the same as what you do to reduce side reflections - use directional speakers - with limited HF output at large vertical angles.

Subject: Re: Flutter Echo
Posted by audioaudio90 on Sat, 23 Oct 2010 18:12:12 GMT
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Yeah speaker placement helps, but I didn't think about that because the only time I find bad flutter echoes, it's in some random place that doesn't have speakers, like a hallway.

Subject: Re: Flutter Echo
Posted by Scoot on Sat, 13 Nov 2010 21:39:24 GMT
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We had that problem too, in a room with very large windows and glass French doors. We finally put curtains on all of the windows, including the doors. It helped alot.

Subject: Re: Flutter Echo
Posted by Scots Rich on Fri, 19 Nov 2010 08:01:28 GMT

Obviously speaker placement and room padding (carpets, soft chairs) help - also create a non-parallel room. If you can't or don't want to build non-parallel walls just add bookshelves and film them!