Subject: Bookshelves?
Posted by Ricardo on Sun, 29 Apr 2007 14:18:43 GMT
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I need to rearrange my computer/mixing station, but I was wondering if you thought full bookshelves with various sized books was a worthwhile makeshift room deadening feature?Obviously the space is doubling as a living area, too.

Subject: Re: Bookshelves?
Posted by Duke on Sun, 29 Apr 2007 19:20:51 GMT
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Bookshelf full of books of differing "depths" would probably make a very good diffusor. See link below on how to make a quadratic residue diffusor. I'm not saying arrange your books likewise and put thin partitions in between them; just wanted to show a bookcase-like dedicated room treatment device.Duke
quadratic residue diffusor

Subject: Re: Bookshelves?
Posted by Wayne Parham on Sun, 29 Apr 2007 23:22:37 GMT
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That's a good question. I wouldn't know unless I measured a room without books and then measured with books to compare the difference. My gut feeling is it will modify reflections in the upper midrange and treble as Duke has said, staggering standing waves at high frequencies, but I don't think books will have much positive impact in the modal region. You really need large objects that vibrate sympathetically to bleed energy at low frequency for effective damping of room modes.

Subject: Re: Bookshelves?
Posted by randle on Mon, 21 May 2007 10:41:12 GMT
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I heard when you do you speakers like that, put them in between books, the sound bounces off of them a whole lot better than it would if they were stand alone. You get a better sound.

Subject: Re: Bookshelves?
Posted by sacback on Thu, 27 Sep 2007 17:36:16 GMT
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Yepper, you want to think about putting your speakers inbetween your books. I had my speakers on the side of my bookshelve but realized that they weren't living up to their potential so I stuck them in between my books.

Subject: Re: Bookshelves?
Posted by Gilipsie on Fri, 05 Oct 2007 02:06:41 GMT
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Do you think you should put all your speakers on your book shelf?

Subject: Re: Bookshelves?
Posted by Gilipsie on Fri, 05 Oct 2007 05:30:01 GMT
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I wouldn't I think you should just throw a couple on there and put the rest throughout your room.

Subject: Re: Bookshelves?
Posted by willyable on Fri, 05 Oct 2007 17:17:16 GMT
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All my speakers are on my bookshelve. I have one of those tall ones with like 7 different shleves. I figured why put them any where else other than the book shlef.

Subject: Re: Bookshelves?
Posted by Lazarus on Fri, 26 Feb 2010 07:31:37 GMT
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Interesting. Thanks for this discussion. I never thought before that I can utilize my bookshelf other than to put books in.

@ Duke: Thanks for the link but somehow I couldn't access it. I got an error message when trying it.

Subject: Quadratic Residue Diffusers
Posted by Wayne Parham on Fri, 26 Feb 2010 16:24:48 GMT
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Yeah, looks like that link is dead. Maybe it is only temporary, or maybe the website is gone for good. Here are another couple links that describe quadratic residue diffusers:
The Quadratic Residue Diffuser, from Wikipedia
The Quadratic Residue Diffuser, from Kyogu Lee at Stanford

Subject: Re: Quadratic Residue Diffusers
Posted by Sadie on Wed, 03 Mar 2010 15:13:46 GMT
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Very interesting. It never occurred to me to use bookshelves acoustically. Thanks for the links, Wayne. That's very helpful and offers a lot of food for thought.
