Subject: Fun for Audio Testers
Posted by granch on Wed, 03 Oct 2007 02:55:03 GMT
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Here's a way to learn a lot about your [amplifier, spkr system, or whatever]. You need an oscilloscope (preferably with DC amplifiers), a signal generator (sine or multifunction). And an electronic switch - the kits by Heathkit and others for making a single trace scope into a dual trace scope work great for this. Probably very cheap on eBay. Connect the signal generator(SG) to one channel of the switch (ES). Set the ES to a slow switching rate. Connect the ES to the amp to be measured and the scope to the amp output. Voila! You can now look at the response of your amp to tone bursts - much more realistic signal than sine or square waves. Enjoy! To measure spkrs you have to close mike the speaker to the Scope or else you will be seeing what the speaker + room does to the signal. You can play with synching the SG to the ES and you do have to synch the scope to the ES. By playing with SC frequency and amplitude you can see how your amp overloads. Lote of fun.-Dick