Subject: Measurements
Posted by Manualblock on Thu, 27 Jan 2005 20:30:31 GMT
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Can a measurement system tell accurately whether the device being measured is a Stradivarious or a run-of -the mill violin? Assuming identical initial conditions.

Subject: Well of coarse it can
Posted by adavis464 on Thu, 27 Jan 2005 22:14:48 GMT
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You can detect it using the inverse phase inverter modulator or sum thin like that.

Subject: Re: Well of coarse it can
Posted by Manualblock on Thu, 27 Jan 2005 23:34:41 GMT
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I have one of those in my junk box; I think. Is it round?

Subject: Re: Well of coarse it can - Actually, yes
Posted by wunhuanglo on Fri, 28 Jan 2005 11:02:23 GMT
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It's a long story, and I don't have all the details.A buddy of mine who's professional expertise includes mechanical vibration spectrum analysis and is also an experienced woodworker was asked by a friend to fix his violin. My buddy had absolutely no idea about how to do it, but he likes a challenge.He downloaded a spectral plot of a Stradivarius from some web site and then compared the response to the violin he'd been given to fix. He then poked and prodded until he found something amiss - he knew he'd found (and fixed) the problem when the two plots were very similar (some glue joint that had come loose, I think.)Actually, there's not too much old Jim hasn't tried. If you're interested in how he fixed the violin (or how to carve stone, cast gold, design a 3500 HP pump, paint flowers or build a wooden canoe) I'm pretty sure he be delighted to tell you about it.

Subject: Sorry, I messed up the link
Posted by wunhuanglo on Fri, 28 Jan 2005 11:04:46 GMT
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Jim Corley
Jim Corley

Subject: Re: Sorry, I messed up the link
Posted by akhilesh on Fri, 28 Jan 2005 13:27:26 GMT
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Sounds like a renaissance man! -akhilesh

Subject: Re: Measurements
Posted by akhilesh on Fri, 28 Jan 2005 13:28:42 GMT
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I think so. A strad will have different frequency plots, different waterfall plots, and different distortion numbers. If thery ewer identical between two violins, I think you have the same violins, sonically speaking. -akhilesh

Subject: Neat site!
Posted by Wayne Parham on Sat, 29 Jan 2005 12:13:19 GMT
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What an interesting guy. I like the yearly engineering contest he sponsors, that's neat. He's a very good artist too. Thanks for the link!

Subject: Re: Well of coarse it can - Actually, yes
Posted by hurdy_gurdyman on Mon, 31 Jan 2005 21:36:06 GMT
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I've repaired hundreds of violins. The only test equipment needed is your ears. Violins are actually

quite easy to repair and usually not hard to track down the problem. It's only wood and glue. Dave