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Subject: to RIAA or not

Posted by [gofar99](#) on Thu, 08 Aug 2024 02:41:55 GMT

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Hi everyone. This has likely been covered somewhere in the past but as gear and software improved I figured I would inquire again. Most newer ADCs seem to have a huge S/N ratio. Usually a noise floor better than -100db and likely a headroom of at least 20db. So if the slope of the RIAA curve is about 40db it would seem reasonable to expect that the output from a phono cartridge would fit with room to spare. From my readings etc it appears that the absolute max dynamic range of an LP is about 75 db and most are far less it might seem reasonable to do the RIAA conversion in a PC. Any thoughts?

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Subject: Re: to RIAA or not

Posted by [Wayne Parham](#) on Thu, 08 Aug 2024 13:43:45 GMT

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I think you're proposing to create an RIAA curve using a digital filter. Is that what you're saying? If so, I agree. That would be easy to do.

But I can already hear screams of horror from the analog enthusiasts. :lol:

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Subject: Re: to RIAA or not

Posted by [Rusty](#) on Thu, 08 Aug 2024 16:00:39 GMT

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Is the Parks DSP phono preamp along those lines?

<https://positive-feedback.com/reviews/hardware-reviews/the-parks-audio-puffin-phono-stage-etc-etc-etc-etc/>

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Subject: Re: to RIAA or not

Posted by [gofar99](#) on Fri, 09 Aug 2024 02:25:36 GMT

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Hi, I suspect it does that. I have a number of ADCs and DACs plus lots of software to fool around with. A quick check of Audacity indicated it was easy to create a RIAA eq. I intend to try feeding directly from a cartridge into a SIIG ADC and then save as a wave file at 34/96. Using that in Audacity apply the eq and adjust the level as needed. It would seem to be a way to do it. Dynamic range on the SIIG is 108 so it should be adequate. More to follow....

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Subject: Re: to RIAA or not

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Posted by [Rusty](#) on Fri, 09 Aug 2024 14:32:05 GMT

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GoFar you're like Chuck Berry's song Nadine. Always up to something new.

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Subject: Re: to RIAA or not

Posted by [gofar99](#) on Sat, 10 Aug 2024 02:14:26 GMT

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Hi, I have been called a number of less flattering things. You should see some of the things I tried that didn't work. I figure if I have the idea and the parts to try it why not. It is how I learn new things. :d

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