
Subject: phono stage's

Posted by [PakProtector](#) on Thu, 24 Nov 2005 22:12:55 GMT

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How cheaply could one build a tube phono stage? I have seen the ET Seduction, and those guys are the King's of Thin. Different tubes? 2x 8532's? Little bit more gain is always good...:-) The 6DJ8 is quite attractive, but really good ones are 'sensitive. I can see plenty of ways to complicate it! L-C filaments, Tube rectified, L-C for B+. Shunt regs... Yamamoto sockets. Super 'sensitive RCA jacks. Not quite sure one should abandon the L-C filters. cheers, Douglas

Subject: Re: phono stage's

Posted by [Damir](#) on Fri, 25 Nov 2005 12:52:11 GMT

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Huh, almost a year ago I tinkered about this idea, simple RIAA stage, like "add-on" to "Guinevere". Two stages, direct coupling, two R and two C in between (low driving input impedance in network, and high impedance after it - necessary with this passive arrangement). Perfect to "drive" 100k pot input of "Guinevere". But, I never actually soldered it together, mostly because I don't have a good enough instruments to check RIAA accuracy...

<http://audioroundtable.com/GroupBuild/messages/408.html>

Subject: Re: phono stage's

Posted by [PakProtector](#) on Fri, 25 Nov 2005 13:30:08 GMT

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and of course, while getting away from cheapest, there are a few neat tricks. One to reduce the output Z of the first stage while simultaneously reducing noise: parallel sections of a twin triode. This offers a few neat opportunities to pull from developed circuits, and make further improvements. and I am already getting away from a 'Cheapest sol'n', heh-heh-heh... Long skinny chassis, PS at one end, and amplifier at the other. Guinevere style plate loads on the final stage so it can drive a reasonable load. Parts are sure cheaper than for a big, high power amp, yes? cheers, Douglas

Subject: Re: phono stage's

Posted by [Damir](#) on Fri, 25 Nov 2005 17:25:22 GMT

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If I could - probably LCLC, then left ch LCLC and right ch LCLC, total 6 chokes and 6 caps - for "stand alone" unit. But, if we want to put it in the "Guinevere" chasis, probably some more modest solution is in order. For the heaters, Schottky bridge + IC regulator would do, IMO. But, yes - how "simple" or "not expensive" can it be without too much compromise? I mean - building RIAA with cheap parts (Cs & Rs) and with "average, but cheap" tubes doesn't have too much sense?!! I don't have a ready PS for the moment (fire problems:-)), any chance that you can try this circuit, or similar?

Subject: Re: phono stage's

Posted by [PakProtector](#) on Fri, 25 Nov 2005 17:41:01 GMT

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Hey-Hey!!!, For simplest RIAA, the pasive between the two triodes is quite appealing. I have a few that can be adjusted for almost *ANY* pair of triodes. It ought to be fairly easy to implement. I don't think I am going to go with mono supplies. The loads ought to give me a lot of PS isolation. I have a pair of 9-pin sockets, salvaged from Tektronix diff amp plug-in's. The socket is suspended on Be-Cu springs. One of a kind(well..two of a kind). Been saving them just for a phono pre.now....which two triodes?I'll fit this in between the construction of the 4E27 and 813 amps. The 813 really has me going. 80W from a pair, in Class A. cheers, Douglas
