Subject: 6S19P-V as line stage, driver, or phase splitter tube?
Posted by Norris Wilson on Mon, 20 Mar 2006 20:05:42 GMT
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Hey Douglas or anyone else,Have you used the 6S19P-V/6C19Pi tube as a line stage, driver, or concertina phase splitter?Douglas, this tube specifically in your Guinevere line stage?Norris Wilson

Subject: Re: 6S19P-V as line stage, driver, or phase splitter tube?
Posted by PakProtector on Tue, 21 Mar 2006 20:54:59 GMT
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Hey-Hey!!!,I have not got my tubes yet. Soon...Remember, this pipe has a realizeable mu of ~2. Up to 3 if you run a lot of current through a CCS. With R_p of ~500R, and 5W of plate dissipation, it should be an excellent choice for a split-load PI. B+ of ~350, and 3k load resistors.Or a linestage with ~300V B+ and a 5k plate load. 200V across the load, and 80V a-k, with the rest as cathode-ground.I am going to use them for a low voltage hybrid cascode as in Merlin v2, with the gates between 30 and 50V. Mmmmmhhhh...creat-a-pentode.cheers,Douglas

Subject: Re: 6S19P-V as line stage, driver, or phase splitter tube?
Posted by Norris Wilson on Tue, 21 Mar 2006 21:55:40 GMT
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Douglas, that sounds good. I will be looking forward to your opinion of the results with this tube.Please keep us informed?NorrisMmmmmmmm, the forbiden douhnut!

Subject: Re: 6S19P-V as line stage, driver, or phase splitter tube?
Posted by PakProtector on Tue, 21 Mar 2006 23:09:05 GMT
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Hey-Hey!!!,Yes, I'll write up how the valves work. They're remarkably inexpensive, so I am getting a good quantity. The hybrid cascode Schmitt Inverter circuit needs near perfect match between the two triode sections. For low mu valves, it has not been my experience to find close matches easily. For GE 5-Star 5687, they are soo close as to deserve 'perfect', but that's a whole 'nother pipe(errr...tube).The mu of 2-2.5 achievable with resistive plate loads is appealing. The little bit more gain than is available from a buffer circuit is just what the doctor ordered. I do hate the idea of throwing away gain like I would if I build around a crappy 12AU7. With the mu of 6 from the

12B4, and 1 from a buffer the 6C19 looks like Baby-Bear's porridge...just right!cheers,Douglas