Subject: PSUDii and settling
Posted by PakProtector on Fri, 02 Dec 2005 00:29:03 GMT
View Forum Message <> Reply to Message

I have played with many variations of tube PS with that Sim program. I don't thing that the tube warm up was properly modeled. I have examined two slow heating tube diode PS. Both were L-C and both showed considerable overshoot with PSUDii. No such overshoot was observed in the real world with tubes warming up fairly slowly. I did try a hot switching ON-OFF-ON and found it did behave as PSUD predicted, leading me to the conclusion that they have a single parameter set for the tube diodes(or pairs of diodes) which does not truthfully show the warm-up behaviour.When I used Hg-vapour diodes, such as a pair of 816's I was able to see the current waveform in the brightness of the pretty blue glow. Even caught the oscillations as predicted by PSUDii.cheers,Douglascheers,Douglas