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Subject: PSUDii and settling

Posted by [PakProtector](#) on Fri, 02 Dec 2005 00:29:03 GMT

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I have played with many variations of tube PS with that Sim program. I don't think 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, Douglas cheers, Douglas

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