Subject: Spice download
Posted by billfort on Mon, 27 Jan 2003 10:59:46 GMT
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Could someone please point me to the page that has the evaluation download of pspice - I've been to the pspice.com site that directs you to the orcadpcb.com site several times and can't find this "evaluation" download anywhere.Thanks, Billfort

Subject: try looking at the new owners website
Posted by Sam P. on Mon, 27 Jan 2003 13:05:01 GMT
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The student version download is 28mb, the accompanying documentation pdf is another 13mb, then you need Wayne's model download also. Good luck.
Samwww.cadencepcb.com/products/downloads/PSpicestudent/default.asp

Subject: thanks - now on to kits :)
Posted by billfort on Mon, 27 Jan 2003 16:31:28 GMT
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Thanks Sam - that did it. Now I'm stuck at the same place you where, where the circuit layout can't find the 6DJ8. I'm about to give up on this stuff, I'm obviously in way over my head here. Guess I'll go back to looking at tube kit crossovers.Thanks anyways. Billfort

Subject: don't need to sim it
Posted by Sam P. on Tue, 28 Jan 2003 12:37:48 GMT
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to build it, as I believe Wayne has already done the sims for a Pi-type version or two. I am still investigating what my final filter topology will be, but 2nd order Bessel LP with a subsonic HP (20Hz or 30Hz.), taking into account the input Z of the following power amp, is looking good so far. HP will be 2nd order also, might add a 3rd pole after the CF like on the Glass-ware site schematic. 800Hz., so it can be compared against the XM9L I use now..Much more trouble than parts chasing is the need to fabricate a chassis from scratch. That is the "kit" advantage, and everyday(week?) my tube active crossover project drags on I think, "why didn't I just build another

XM9L?!".ONE 19/32 hole for the 6X4 socket, Six 3/8's holes for the jacks, a 7/16 for the CRAP fuse holder that I need to find another of as it is so cheap(pe 070-630) it is already broken before being installed, the rectangle cutout for the power cord socket, etc... :(.The $$$ you may save going DIY over kit are considerable, if you figure this is a hobby and your time is "free", the parts costs for something like the Bench circuit, "done right" at the hobbyist level will run maybe $300? Will it perform better than the XM9L in any measureable or meaningfull manner? I can't say yet:).I'm thinking this active tube xover project is essentially NO HARDER than building a tube preamp, or SET amplifier.In fact, I think a stand alone tube based RIAA phono stage will be my next beattheheadagainstthewalloohthatfeelsgoodwhenIstop form of relaxation.Either kit or diy, the builder will need to pay attention, and strive for a zero defects build quality, as troubleshooting something like the marchand tube kit will be a nightmare compared to fault locating in a single triode gain stage per channel, especially if you don't need the steeper filter slopes of the kit..What speakers/amps are part of your "plan". That could be a BIG factor about what you should look for. Keep working at the pspice, I think you need all the downloads in the same folder. Also, wayne's tube model download needs to go into the spice "library" folder, IIRC, but I am as clueless about this as you are. Once I got it working, I simmed a bunch of changes, then "figured out" it was auto saving, and my original file was GONE, mutated, and had to be reinstalled! Then the wife says, just save the original file, but with a new name. So you muck that one up, and Wayne's model stays INTACT for comparison purposes..YES, I must force myself to put in the "book time" and learn how to use pspice, but for my immediate needs, Wayne's model works great. Phono stage? Norman Crowhurst already did those SIMS back in 97 or 99, and they ARE INCLUDED with the pspice library from Cadence. Don't give up. Sam

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Subject: Re: don't need to sim it
Posted by billfort on Tue, 28 Jan 2003 15:50:19 GMT
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Funny Sam - my problem is the polar opposite of yours. I have access to a sheet metal fabricating shop with NC turret presses - holes of any size and shape are as easy as drawing them with CAD. What I don't get at this stage is circuit design and construction layout. I'm trying to learn and will soon start on a 300B SET amp but I'm sticking with an established design (Angela 91) and will be building it along with a few others who can give me guidance when I need it. This is why I said kit - scratch built from circuit layouts, when even the circuit layout doesn't fit my requirements, seems to be way over my head.I want to bi-amp Altec 604-8Gs with 2 300B SET amps (speakers at www.wardsweb.org/Billfort/). I am looking for a 1500hz, 2nd order crossover and the horn is maybe 6db more efficient than the 100db woofer. These speakers have a somewhat hot midrange so I thought Wayne's approach of using compensation on the horn would be perfect. I had read that the Marchand tube unit can be configured this way but the price has scared me off so far and I'm not interested in solid state. I'll watch for your progress with this and maybe pick your brain if you don't mind, but something tells me I'm going to bend over and pony up for the Marchand :(.Thanks for the advise. Billfort