

Re: LTspice Question

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- *From:* kensmith@xxxxxxxxxxxxxxxx (Ken Smith)
 - *Date:* Wed, 21 Feb 2007 02:09:41 +0000 (UTC)
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In article <5bc28\$45da65ab\$45011502\$8553@xxxxxxxxxxxx>, amd<amd@xxxxxxxxxxxx> wrote:

Hi Ken,
I don't quite have it,
I'm plotting $v(in)$ which is the voltage out of the signal generator (with internal resistance) feeding a filter. The plot shows voltage amplitude and phase. If I right click and change $v(in)$ to $re(v(in))$

Stop at this point and admire the trace.

Now click on the same node again.

Look at the two traces. You now have the " $re(V(in))$ " and just " $V(in)$ " in the top of the graph.

Now, move the mouse over the " $V(in)$ " label at the top of the graph. Click and edit like you did before.

then I still
need to do
something with $im(v(in))$. I either have improper syntax or I'm putting it in the
wrong place.

You missed a step.

If I get it right, what is the label on the left y axis? It seems to be voltage I was
looking for ohms.

You will only be able to plot voltages or currents. If you force a

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current of 1A through an impedance, you get a voltage equal to that impedance so this is how you can get impedances to plot.

$$Z = V/I$$

If you want you can use 1mA instead and divide by the 1mA. You could use the 1uA or 1pA or 1fA or 1aA or

Maybe I need to plot something different from the start?
Thanks for working me through this,
Mike

Get the plot showing amplitude and phase.

Bring the cursor over the lets say V(n002) at the top of the plot

Right click and change what is plotted.

re(v(n002)) plots the in phase part of a voltage
im(v(n002)) plots the quaderature part.

To get both, you need to get the raw signal displayed again and edit the second one.

Next you double (left) click the scale down the right side and tell it not to plot phase.

Is it possible to graph R and X of a circuit?
Such as looking into a filter, instead of amplitude
and phase, could I graph R and X.
If yes, how?

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kensmith@xxxxxxxxx forging knowledge

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