- Some of the models are a bit different, particularly for the cases where デT(E;V) ≠0.

- 3 models to choose from don't warry about the details behind them, for now.
 - The voltage-independent model (2 T(E;V)=0); same as what we used over the Fummer.
 - -S | Models where 3 T(E,V) \$0.

-other parameters to the program are similar to what we had over the summer.

- 2) Number of points to simulate: 1000,000 works
- 3) Ep= 0.0
- 4) SE: my default is 0.05, but anything 0.01-0.1 is probably fine.
- 5) & anywhere -10 through -3, -6,000 is reasonable.
- 6) Sp: same comment as for Se
- 7) P: anywhere 0.5-1 is good.
- 8) Vmin = -2
- 9) Vmax=2
- 10) N: look at 1=0,3, 0,4, and 0.5

- For analysis, pipe the output from the simulator into the "Binner" program ./simulator-v-2d [parameters] /binner-v-2d [,000,000 100 > output-file.

-Anice, open-source, piece of software for visualizing this data is graphet (check the linux distros; it might come installed),

and inside grup lot

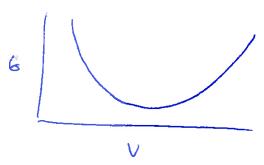
> set pm3d map

> Splot "filename will plot the data.

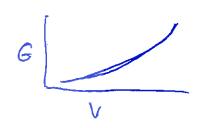
What I'd like you to do:

- Look at the 3 models (i, s, b, d) for various & SE, P, Sp combinations

Preliminary results I he seen suggest that models i and I give mostly quadratic-looking peaks:



The S model is more like a slightly curved line:



If you find parameter sets that don't "qualitatively" generate histograms with these shapes, let me know.

Send me any questions you have! Thanks