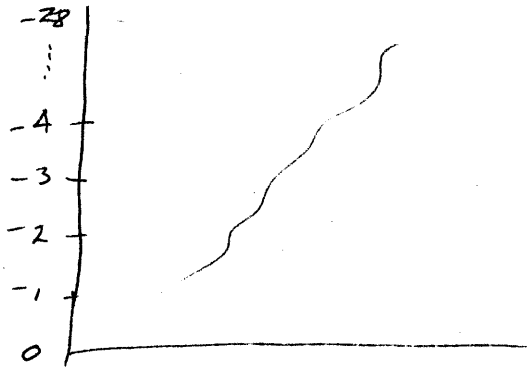
Noisy Mode Report

to Do:

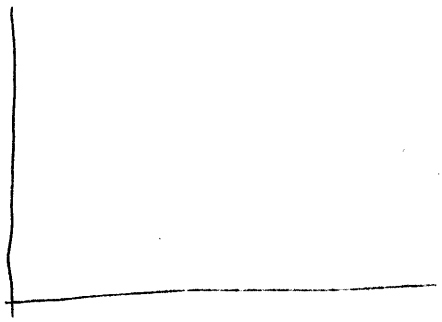
sum of Pmatrix error Terms $\Sigma |\epsilon|$

average error of Pmatrix $\frac{1}{16}\Sigma|\epsilon|$

graph of no bits in error Terms noise position



graph for matrix element B_{44}



graph for matrix element B_{14} L

graph of integration probes L

conclusions:

(1) noise on left shifts only (case 2) is good enough

(2) Inserting gives one or 2 bits less significance than setting to zero

There is some indication of loss of noise in 37 bit (eg. integration case) – shifting off to right.

(3) So noise should not be put in last bit, for best results

(4) setting to zero seems to give results closest to theoretical.