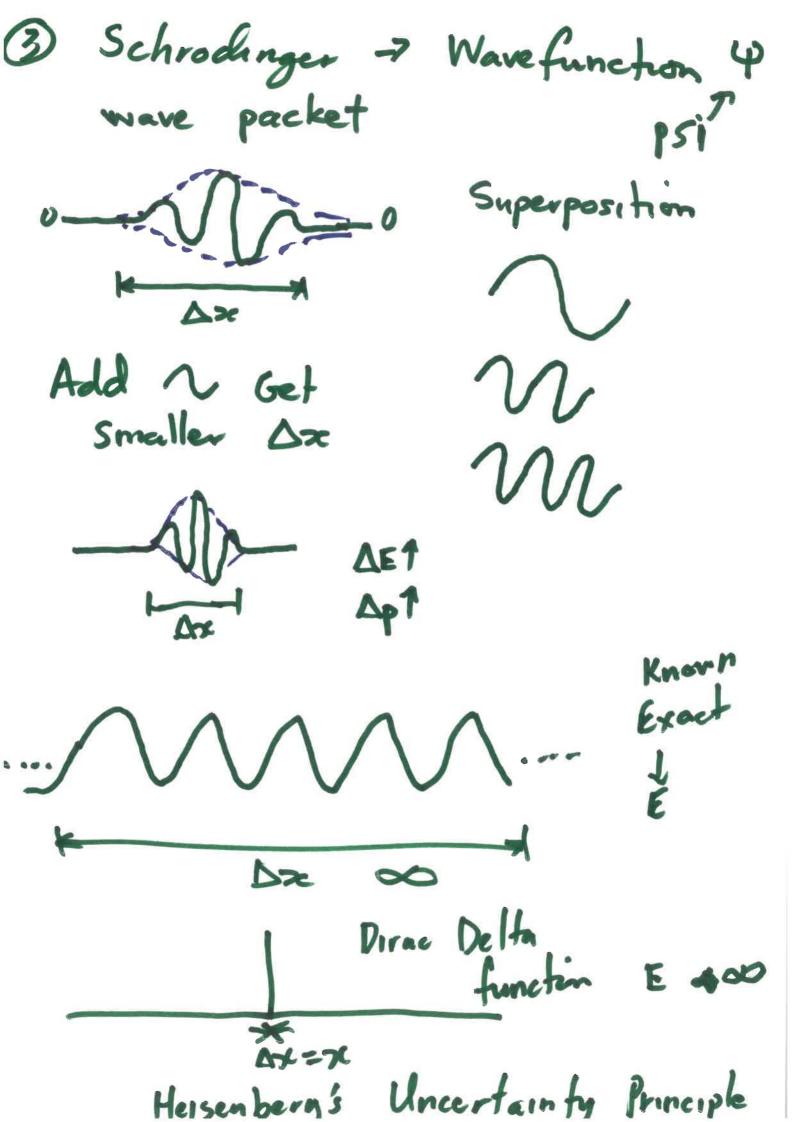
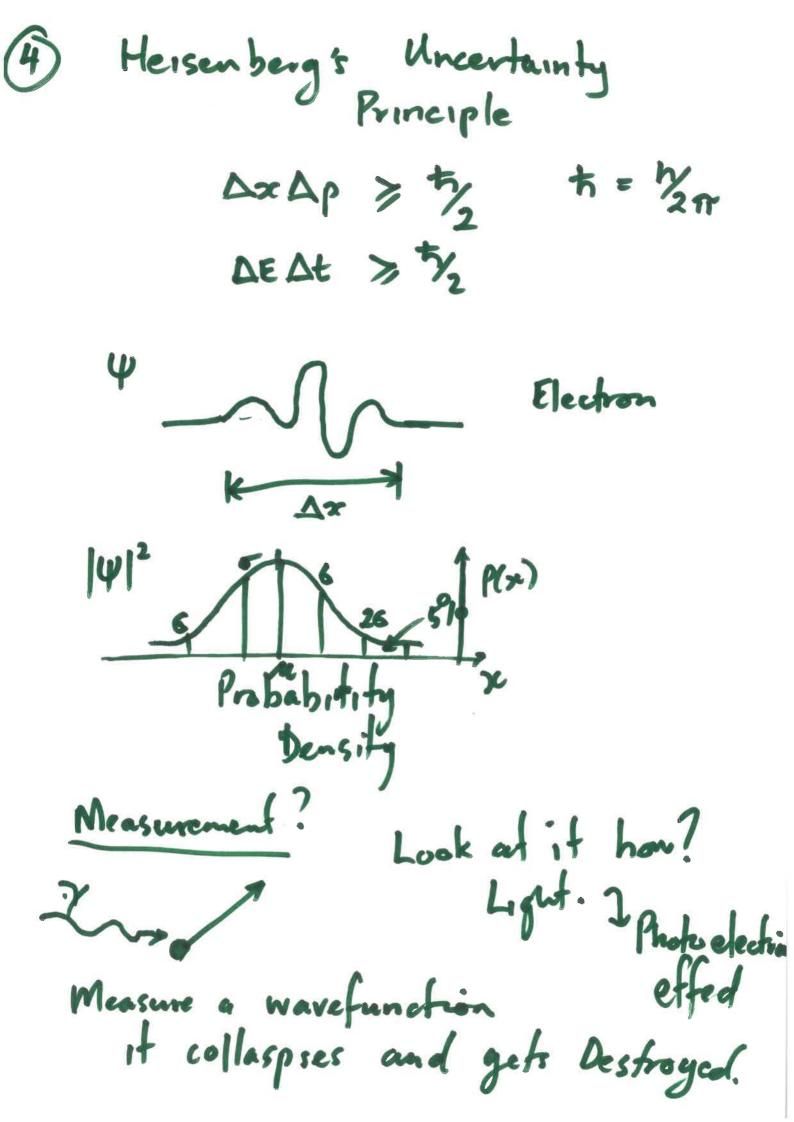
1 Quantum Theory
- Sound/Music U Notes Harmonies
Whole number of froughs
J. Jobjects
- Collisions Billiard Bells Football balls Conserve
Momentum P = mv velocity
Light Maffer is a wave or particle
Same Phase   )) Wave /
Same Colour P/

2 Phato-Electric electrons Move William 1 metal Electricity freq. Intensity (measure) Current Nothing Planck's Constant 7 6.62 × 10-34 Energy is being transferred to electrons in packets

Compton Scattering Energy is Einstein Quantised

Momenta Particle





3 Schrodinger's Cat Opaques De tector

Box

radioexetive Substance If Detet Defector measures an 2-partibole, Kill the Cat! Many Experiments are required to verify a result. matter as well? Young's can be done with electronis Protons Get an inferference pattern Just like light.

Feynman -> quantum State -> probability Density