

Stuff for Friday, April 6, 2012

- Quiz #2 back Monday
- Handout: Basics of Complex Numbers (I)
- Davisson-Germer: **wave interference from each electron**, *not* interference from separate electrons bouncing off of different atoms and interfering with each other. **Quantons!**
- Quantum Wave Interference: If we do a two-slit experiment one particle at a time, **the interference pattern builds up *statistically***. If you try to detect which slit, the pattern is destroyed!
- Quantum Bound States: Advance preview of wave functions. They are complex in general! (Try tunneling!)
- Stern-Gerlach Experiment: Q5 spin experiments (simpler quantum mechanical example). Try Figure Q5.5 examples.