

Supplement:

Quantum Information References

- Quantum computing
 - Employs superpositions of quantum states - astoundingly good for certain parallel computation, may use entangled states for error checking
 - www.newscientist.com/nsplus/insight/quantum/48.html
 - <http://www.cs.caltech.edu/~westside/quantum-intro.html>
- Quantum cryptography
 - Employs single photons or entangled pairs of photons to generate a secret key. Can determine if there has been eavesdropping in information transfer
 - cam.qubit.org/articles/crypto/quantum.php
 - library.lanl.gov/cgi-bin/getfile?00783355.pdf
- Quantum teleportation
 - Employs an entangled state to produce an exact replica of a third quantum state at a different point in space
 - www.research.ibm.com/quantuminfo/teleportation
 - www.quantum.univie.ac.at/research/photonentangle/teleport/index.html
 - Scientific American, April 2000