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Quantum decoherence is the loss of quantum coherence.In quantum mechanics, particles such as electrons are described by a wave function, a mathematical description of the quantum state of a system; the probabilistic nature of the wave function gives rise to various quantum effects.As long as there exists a definite phase relation between different states, the system is said to be coherent.

Quantum decoherence - Wikipedia
Quantum computing is computing using quantum-mechanical phenomena, such as superposition and entanglement. A quantum computer is a device that performs quantum computing. Such a computer is completely different from binary digital electronic computers based on transistors and capacitors.Whereas common digital computing requires that the data be encoded into binary digits (), each of which is ...

Quantum computing - Wikipedia
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arXiv:1203.5813v3 [quant-ph] 10 Nov 2012
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Many-Worlds Interpretation of Quantum Mechanics (Stanford
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Quantum Physics authors/titles "new" - arXiv
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