

Re: Quantum Babbage Machine? Nanotube Superposition?

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Hi, Jimi and Sanman,

I know it's counterintuitive, etc., etc., but the paradox of Schroedinger's cat is very much alive, even if the cat itself has long since died. Although the collapse of the wavefunction is an essential part of the prevailing Copenhagen interpretation of quantum theory, the Everett interpretation says that it never happens. Noone has ever come up with a satisfactory theory of the collapse process, or conclusively demonstrated its existence.

Check out <http://www.hedweb.com/everett/everett.htm>

There is a long-known paradox due to Hund (of Hund's rule fame) to do with chiral molecules. If the Copenhagen interpretation were correct, then measuring the optical rotation of a solution of glucose should lead to its immediate racemization. In fact, it does not racemize. Conclusion: superposed states can last a long time, and yes, nanotubes can bend two ways at once.

Cheers,

Zigoteau.

• *References:*

- ◆ ***Quantum Babbage Machine? Nanotube Superposition?***
◇ *From:* manofsan
- ◆ ***Re: Quantum Babbage Machine? Nanotube Superposition?***
◇ *From:* R J McGregor

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