

# Computer of the future



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- The future can be a miscellaneous, and to it too it is a lot of ways, but neither that, nor another to predict it is impossible. And still some wide strokes to outline it is possible, and in the majority of scripts progress leads to change of a way of our dialogue, volume of the information with which we should deal, and, probably, even our natural abilities.

# Molecular computers

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- The molecular computer in size with (песчинку) can contain billions molecules. And if to learn to do computers not three-layer, but three-dimensional, having overcome restrictions of process of the flat lithograph applied to manufacturing of microprocessors today, advantages become even more.

# Biocomputers

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- Application in computer facilities of biological materials will allow to reduce in due course computers till the sizes of an alive cell. While this cup Petry filled by spirals of DNA, or нейроны, taken from the bloodsucker and connected to electric wires. In essence, our own cells is not that other as biomachines of the molecular size, and as an example of a biocomputer our brain, certainly, serves.

# Optical computers

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- The optical computer can be less electric, as the optical fiber is much more thin (and is faster) in comparison with comparable on width of a passband electric conductors. In essence, application of electronic switchboards limits speed of networks approximately 50 (r6.c). Entirely optical computers will appear in decades, but work in this direction goes at once on several fronts.

# Quantum computers

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- The quantum computer will consist of components of the subnuclear size and to work by principles of quantum mechanics. The quantum world - very strange place in which objects can borrow two different positions simultaneously. But this strangeness also opens new opportunities.