

Download Natural Computing Dna Quantum Bits And The Future Of Smart Machines

Quantum computing

Quantum computing is the use of quantum-mechanical phenomena such as superposition and entanglement to perform computation. A quantum computer is used to perform such computation, which can be implemented theoretically or physically.: I-5. The field of quantum computing is actually a sub-field of quantum information science, which includes quantum cryptography and quantum communication.

Digital physics

In physics and cosmology, digital physics is a collection of theoretical perspectives based on the premise that the universe is describable by information. It is a form of digital ontology about the physical reality. According to this theory, the universe can be conceived of as either the output of a deterministic or probabilistic computer program, a vast, digital computation device, or ...

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An analysis of the history of technology shows that technological change is exponential, contrary to the common-sense intuitive linear view. So we won't experience 100 years of progress in the 21st century -- it will be more like 20,000 years of progress (at today's rate). The returns, such as chip speed and cost-effectiveness, also increase exponentially.

EY

To harness disruption, you need a framework. EY believes that harnessing disruption requires a framework to bring order to the chaos — distinguishing between causes and effects, and prioritizing among a seemingly endless set of disruptive forces.