

POST

Simulate nature. Protect nature.

August 8, 2020

The true power of quantum simulation---EnviroAI

SIMULATE NATURE.

PROTECT NATURE.

---“Quantum simulation is a process in which a quantum computer simulates another quantum system. Because of the various types of quantum weirdness, classical computers can simulate quantum systems only in a clunky, inefficient way. But because a quantum computer is itself a quantum system, capable of exhibiting the full repertoire of quantum weirdness, it can efficiently simulate other quantum systems. The resulting simulation can be so accurate that the behavior the computer will be indistinguishable from the behavior of the simulated system itself.” [-Seth Lloyd, MIT Professor](#)

Nature . . .

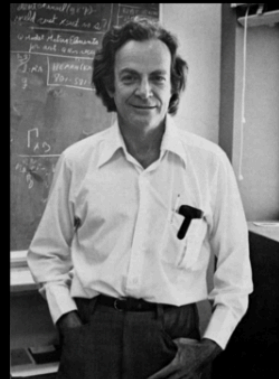
[Quantum Simulation](#)



---“I want to talk about the possibility that there is to be an exact simulation, [that the computer will do exactly the same as nature](#). I'm not happy with all the analyses that go with just the classical theory, because nature isn't classical, dammit. And if you want to make a simulation of nature, you'd better make it quantum mechanical, and, by golly, it's a wonderful problem because it doesn't look so easy.” - [Richard Feynman](#)

Nature . . .

[Quantum Simulation](#)



---“The biggest impact of quantum computers will not be there computing ability, but their ability to simulate the true underlying reality of nature.”

- Jed Anderson, Creator, EnviroAI

Nature . . .

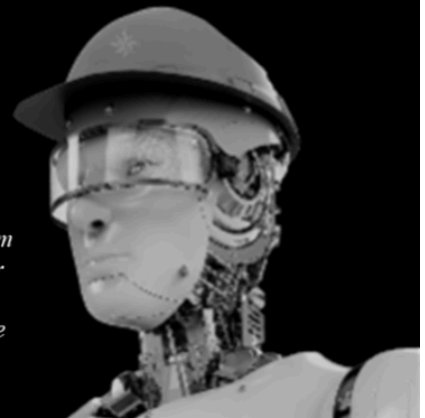
Quantum Simulation



EnviroAI

Environmental Intelligence

---"As always, there's good news and there's bad news. The bad news is, we seem incapable of solving our more pressing or persistent problems. The good news is, we're getting closer to building a machine that might do it for us."--Jim Vibert



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Original source: Constant Contact campaign

Markdown source: <https://jedanderson.org/posts/simulate-nature-protect-nature.md> (<https://jedanderson.org/posts/simulate-nature-protect-nature.md>).

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