



Stanford eCorner

Moore's Law

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Video URL: <http://ecorner.stanford.edu/videos/1349/Moores-Law>

Draper applies Moore's law to all science as it is growing exponentially and spreading very quickly.



Transcript

This is really interesting. Moore's Law means that every 18 months, the compute power of a thousand dollars doubles. So what Gordon Moore recognized was that the chip at least grows exponentially, and the power of that chip grows exponentially. But you got to take that way beyond Morris Law because all science grows exponentially. Because once you have a base and the world knows about it, they're starting from a new base and then they move from there. So each time there's a new innovation, it grows from the base from before. And so, all of these things grow exponentially. You know, you started with, a guy created a wheel. And then somebody put an axle on the wheel and then somebody else put a plank on the wheel. And then somebody else put a couple of axles and then four wheels.

Pretty soon, you have a car, and it kind of grew exponentially and it spread very quickly. So that's happening with everything.