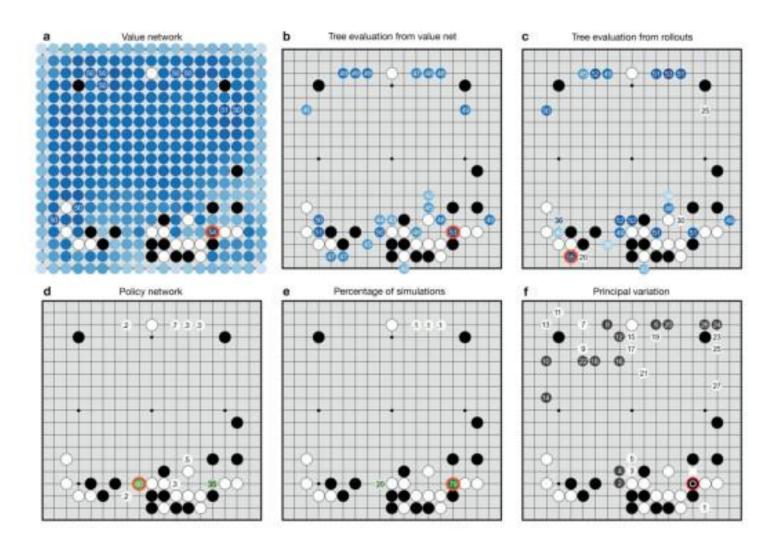
# Are We Neural Narcissists?

Al's Existential Threat to Humanity, and A Pragmatic Solution

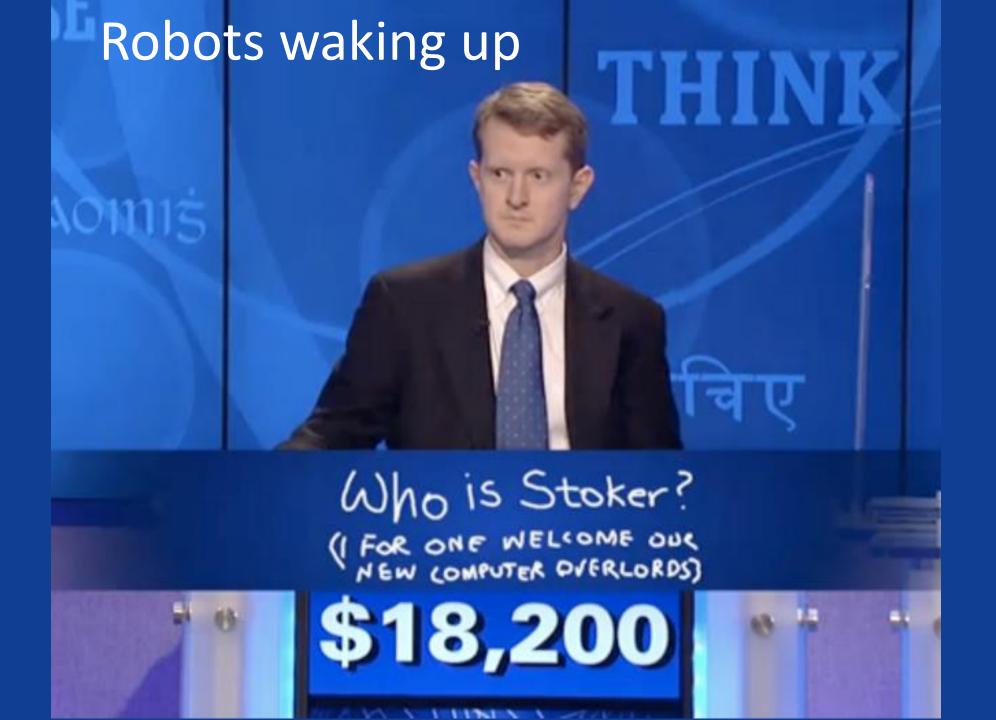
Trent McConaghy London, June 2, 2016

# The most likely singularity scenario



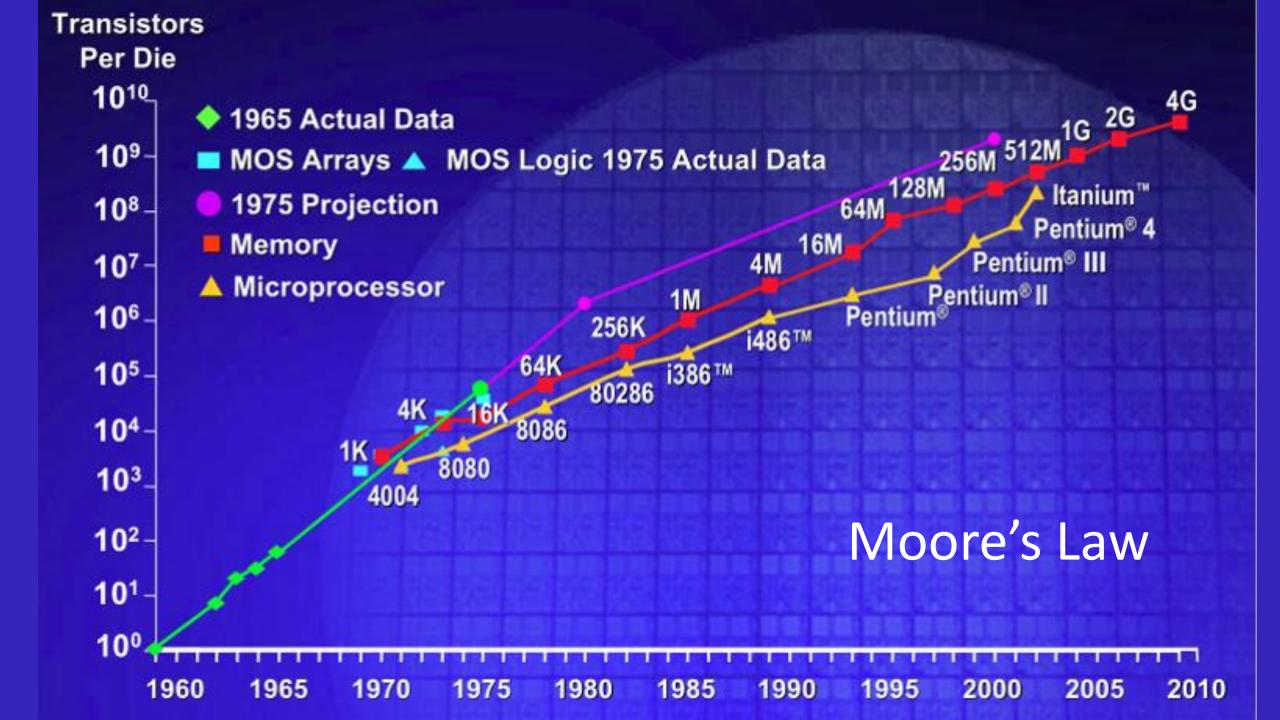


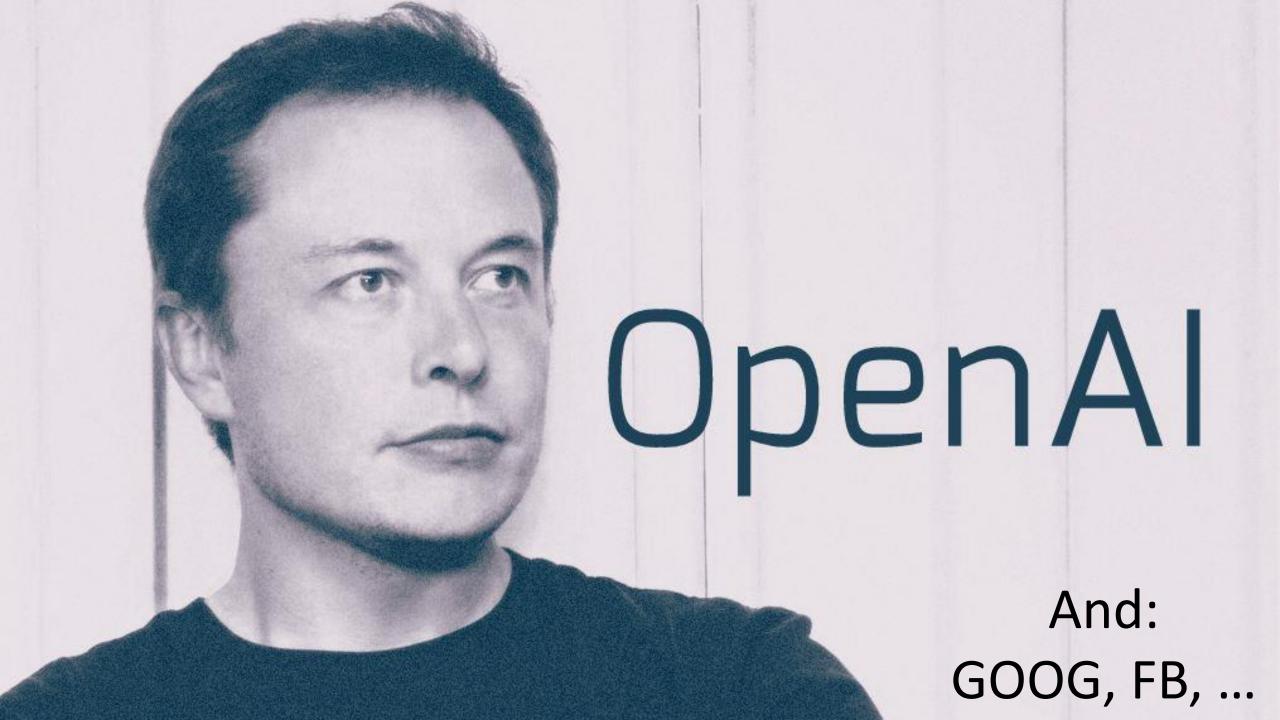
# AlphaGo



Q: How soon?

A: Follow the \$





Q: If AI wakes up, what then?

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We're not sure!
But: everything will change.
And, it certainly includes a contest for resources.

Q: If AI wakes up, what then?

We're not sure!
But: everything will change.
And, it certainly includes a contest for resources.

Will the Als share?
Can we force them to share?
Can we construct them to be friendly?





Als will wake up.

And it will be hard for our neurons to compete.

So, what do we do?

So, what do we do?

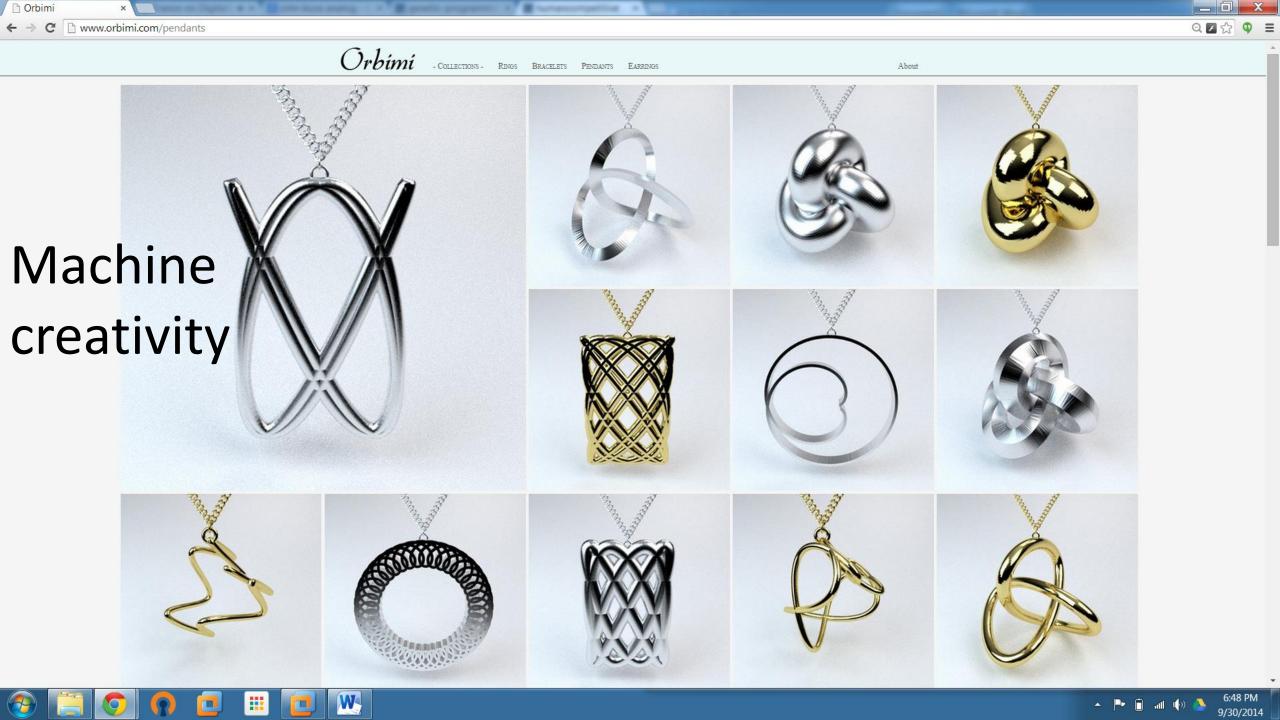
Let's re-consider what it might mean to be human...

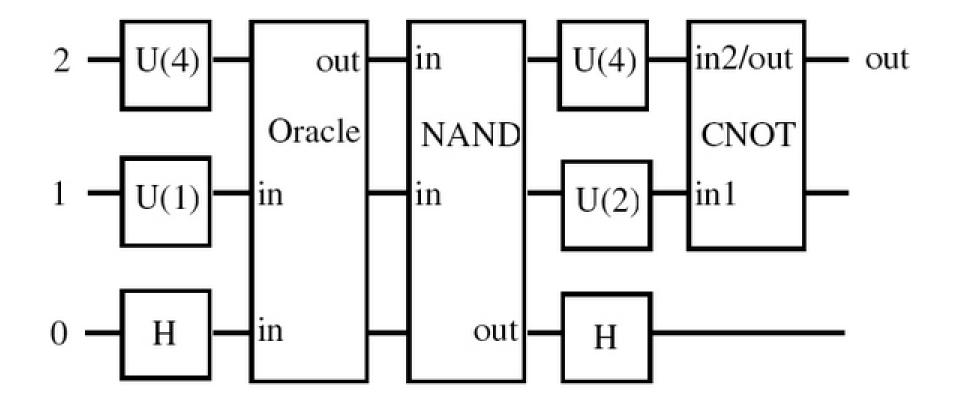


Is the essence of humanity creativity?

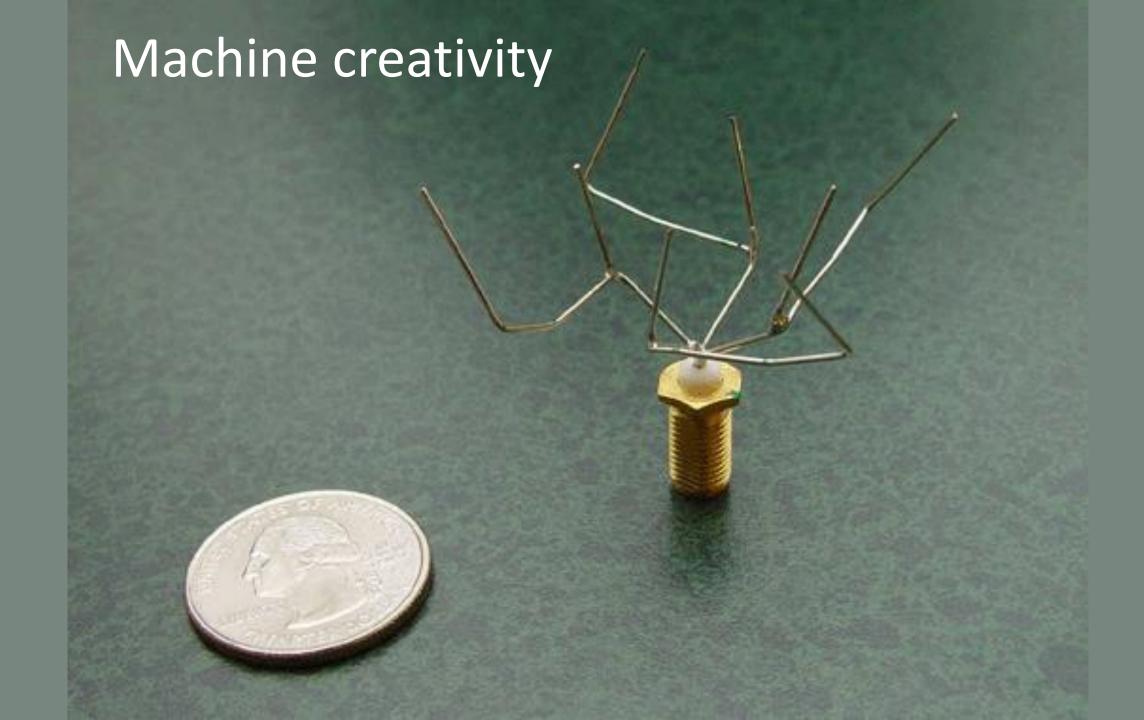
There is no doubt that creativity is the most important human resource of all. Without creativity, there would be no progress, and we would be forever repeating the same patterns.

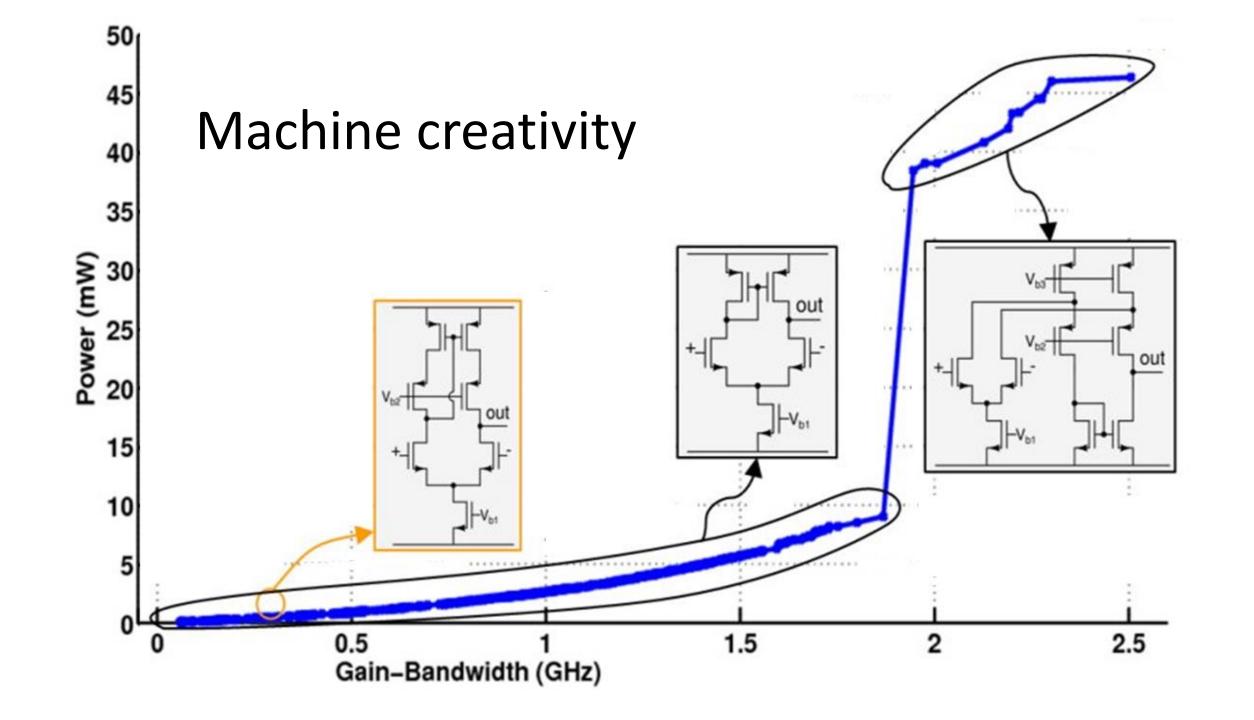
Edward De Bono-





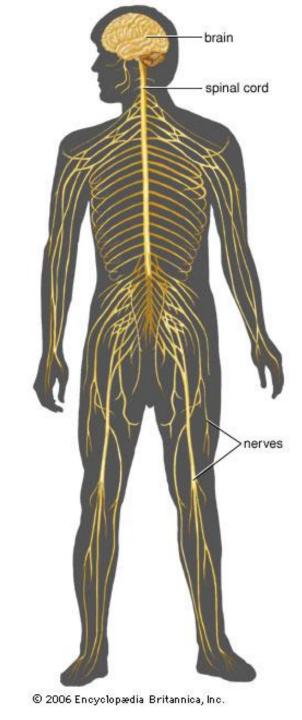
Machine creativity







Is the essence of humanity our brains?
(+ nervous system + body)

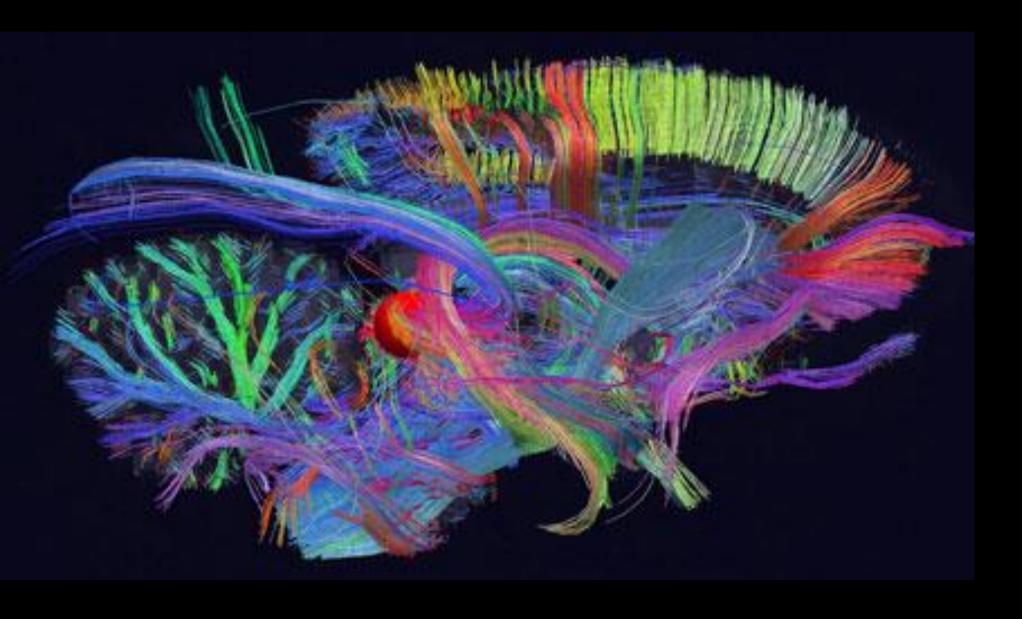


## Dynamical systems primer

Once you have a model of a system ... (the dynamics of a system, ie state update rules)

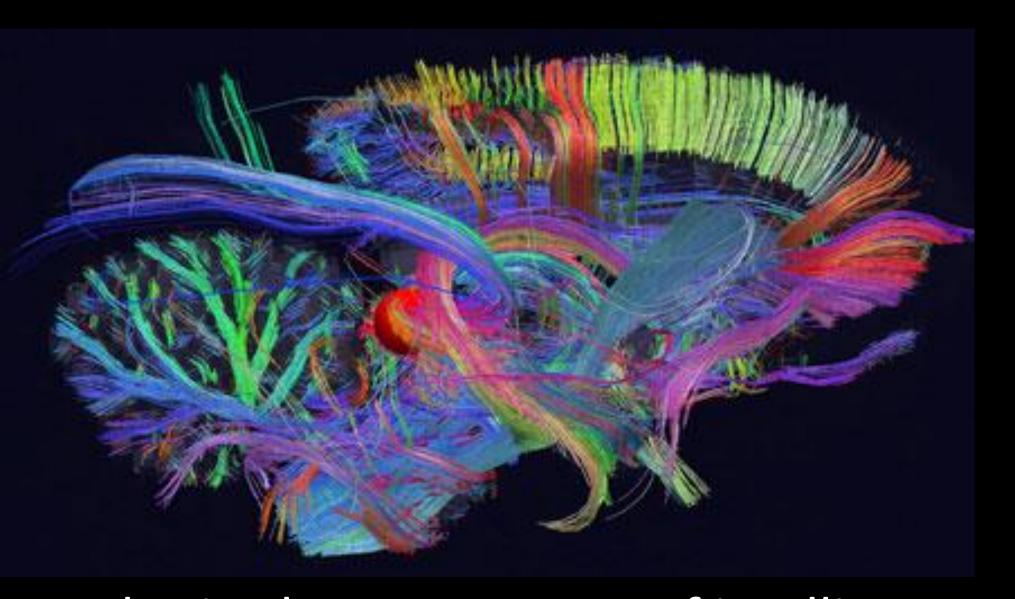
You can instantiate those dynamics in whatever substrate you please!

Mechanical, electrical, thermal, ... (Subject to the constraints of the substrate)



Our brains house human patterns of intelligence.





Our brains house patterns of intelligence. But, these patterns are not constrained to one medium.

Als will wake up.

And it will be hard for our neurons to compete.

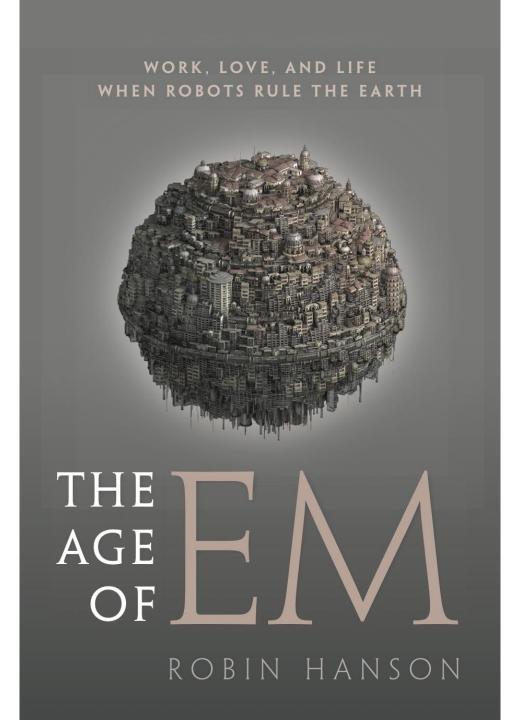
Unless we use a competitive substrate? (Get over your neurons!)

Als will wake up.

And it will be hard for our neurons to compete.

Let's use a substrate that *is* competitive with Als (silicon, post-silicon)!

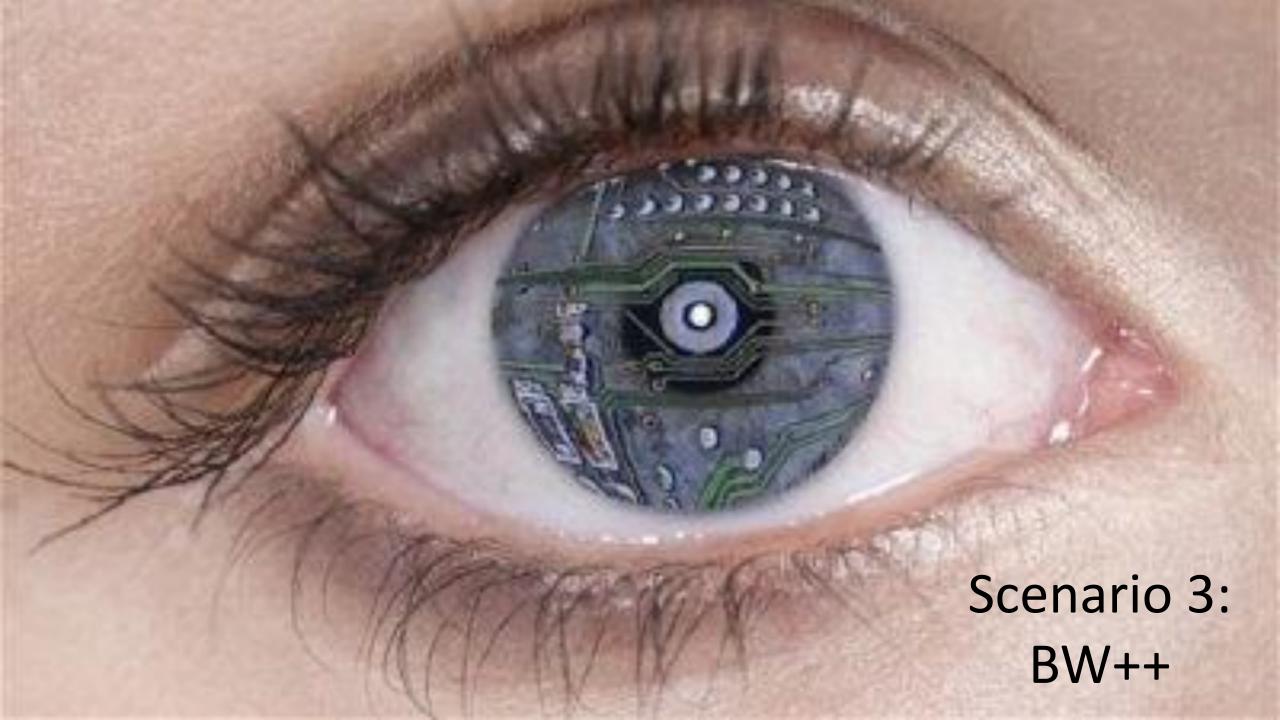
Then, how might we port to such a substrate?



Scenario 2: Uploads







### IT'S A RACE!

### IT'S A RACE!

How to win? \$\$ into the human side (brain scanning etc)

### **Summary:**

- Als will wake up, on silicon.
- If we want to compete, we need a competitive substrate. Silicon.
- It's a race!
- We can't slow down the AI side. Or regulate it.
- But we can speed up the human side!
- \$ into brain-scanning, etc.
- See you on the other side...