



# **Future-Proof Your Mindset**

The Evolution Of Technology

By Christian Kromme



TECHNOLOGY EVOLVES EXPONENTIALLY FAST



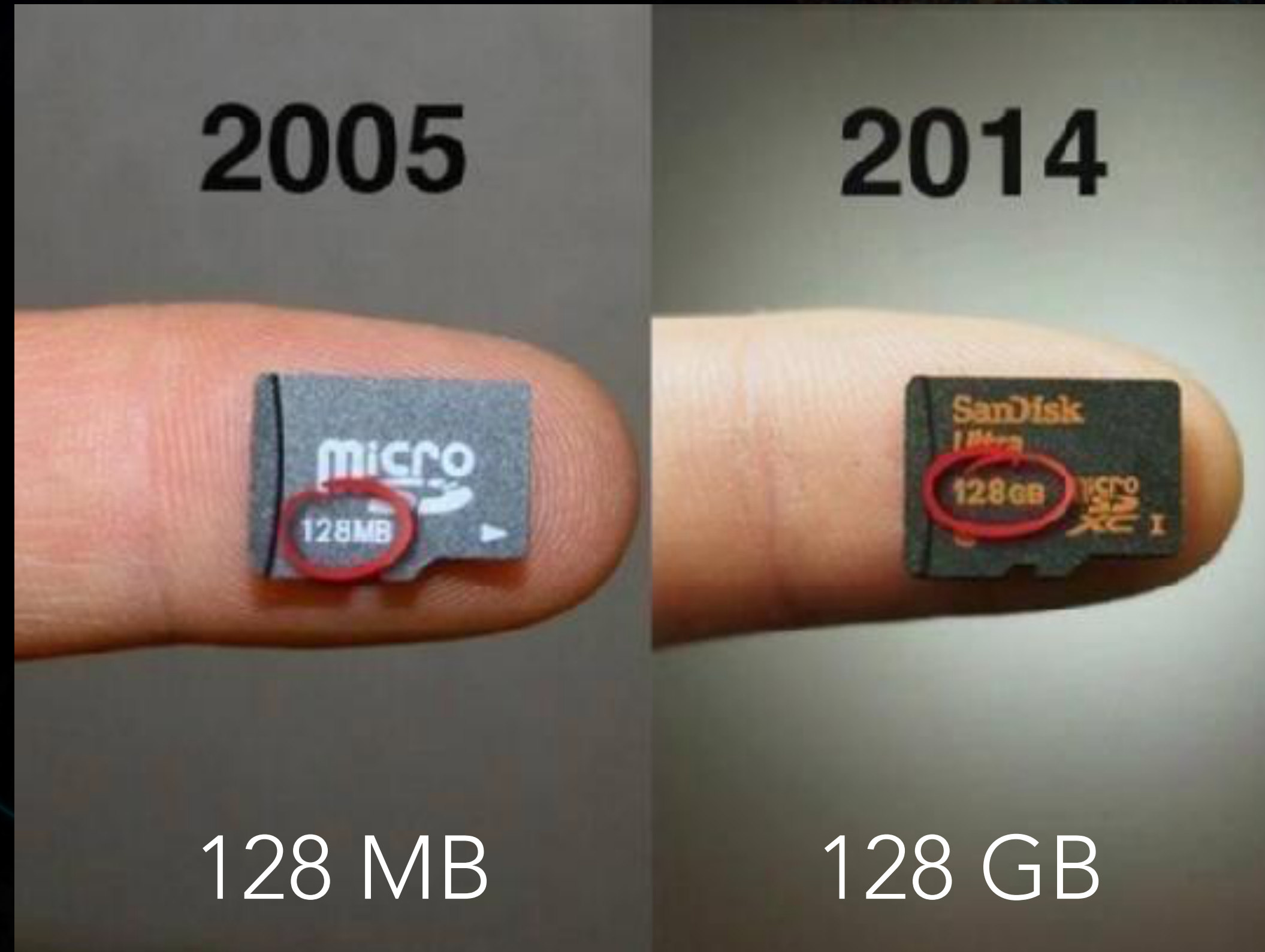


# INFORMATION TECHNOLOGY DRIVEN BY MOORE'S LAW



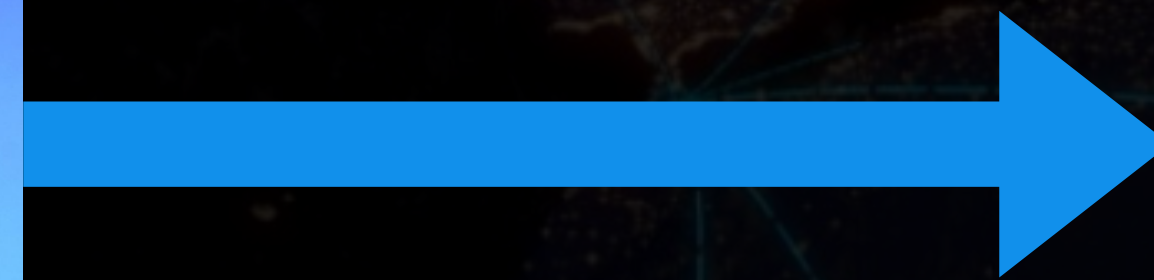


INCLUDES EVERY INFORMATION PROCESSING TECHNOLOGY





# EXPONENTIALLY: BETTER, CHEAPER, SMALLER, ...



1000 x Resolution  
1000 x Lighter  
1000 x Cheaper

---

1.000.000.000 x better

## 1976 (1e Digital Camera)

- 0.01 Mega Pixel
- 1,75 KG
- Euro 10.000,-

## 2014 (Chip Digital Camera)

- > 10 Mega Pixels
- 0.001 Kg
- Euro 10,-

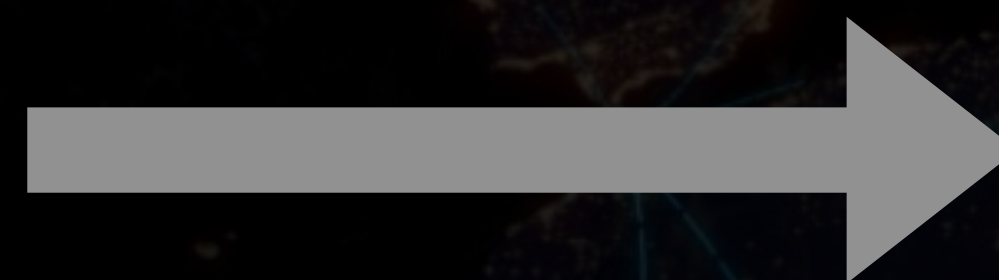


# ALL INFORMATION PROCESSING DEVICES OBEY MOORS LAW

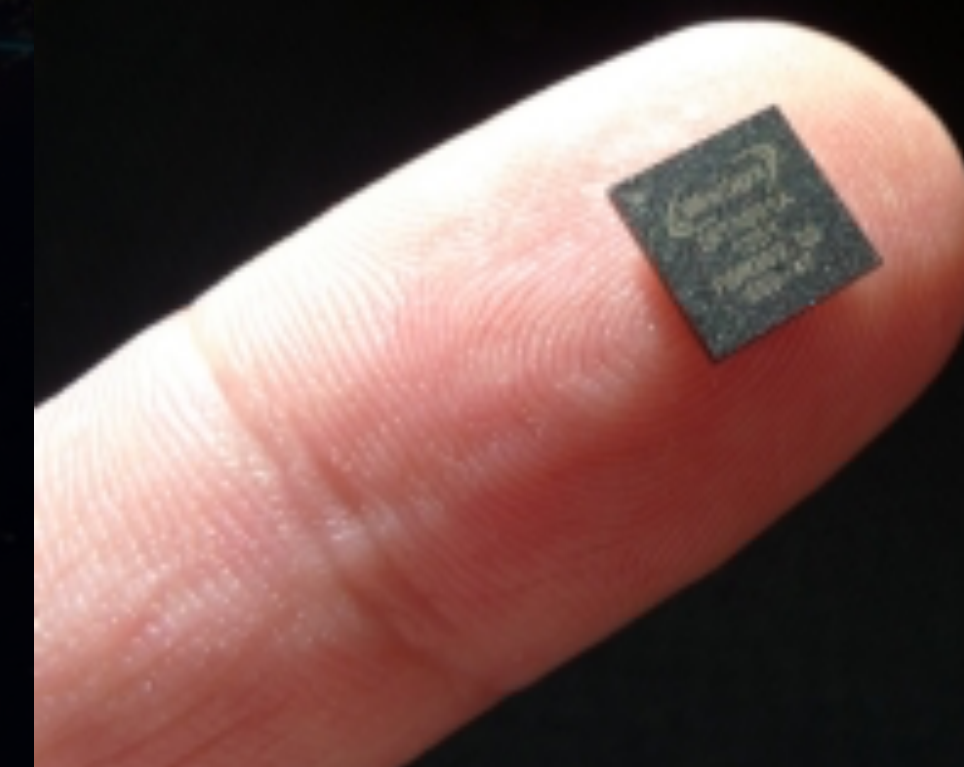


**1981 (1e GPS receiver commercial)**

- 24 KG
- Euro 110.000,-



**Delivers real-time 3D location information accurate to 10 cm**

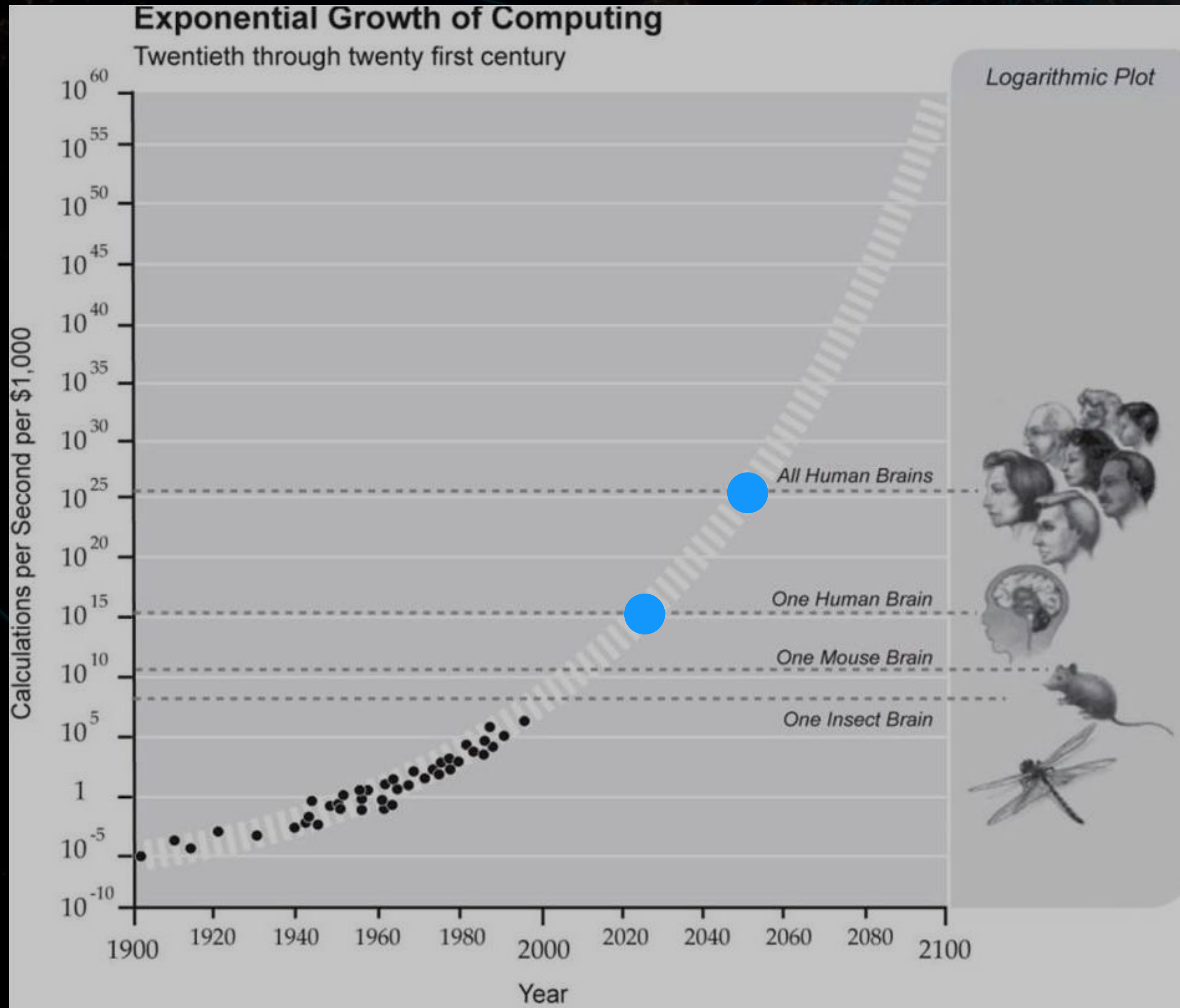


**2014 (single chip GPS receiver)**

- 0.01 KG
- Euro 5,-

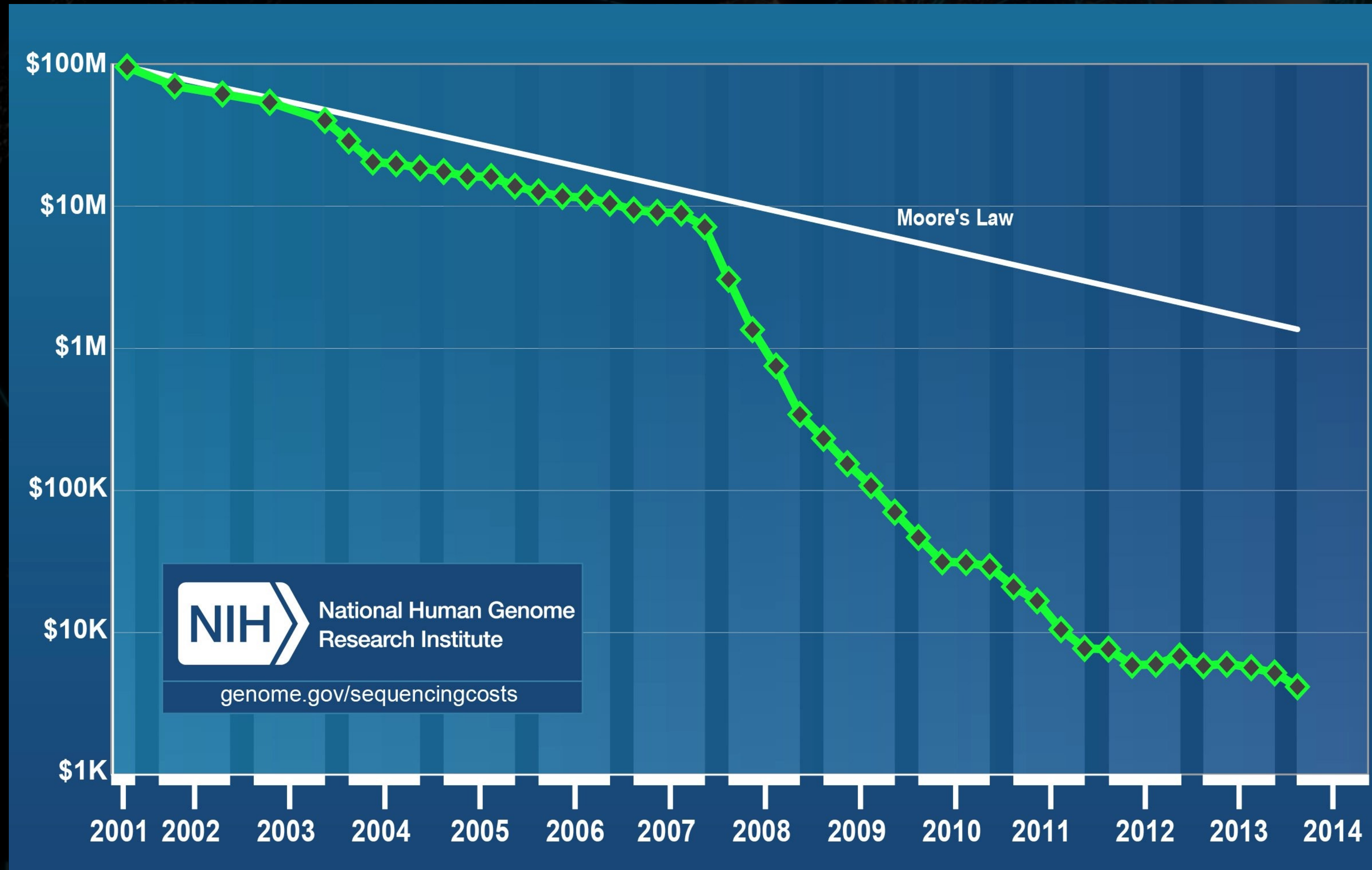


# THE LAW OF ACCELERATING RETURNS





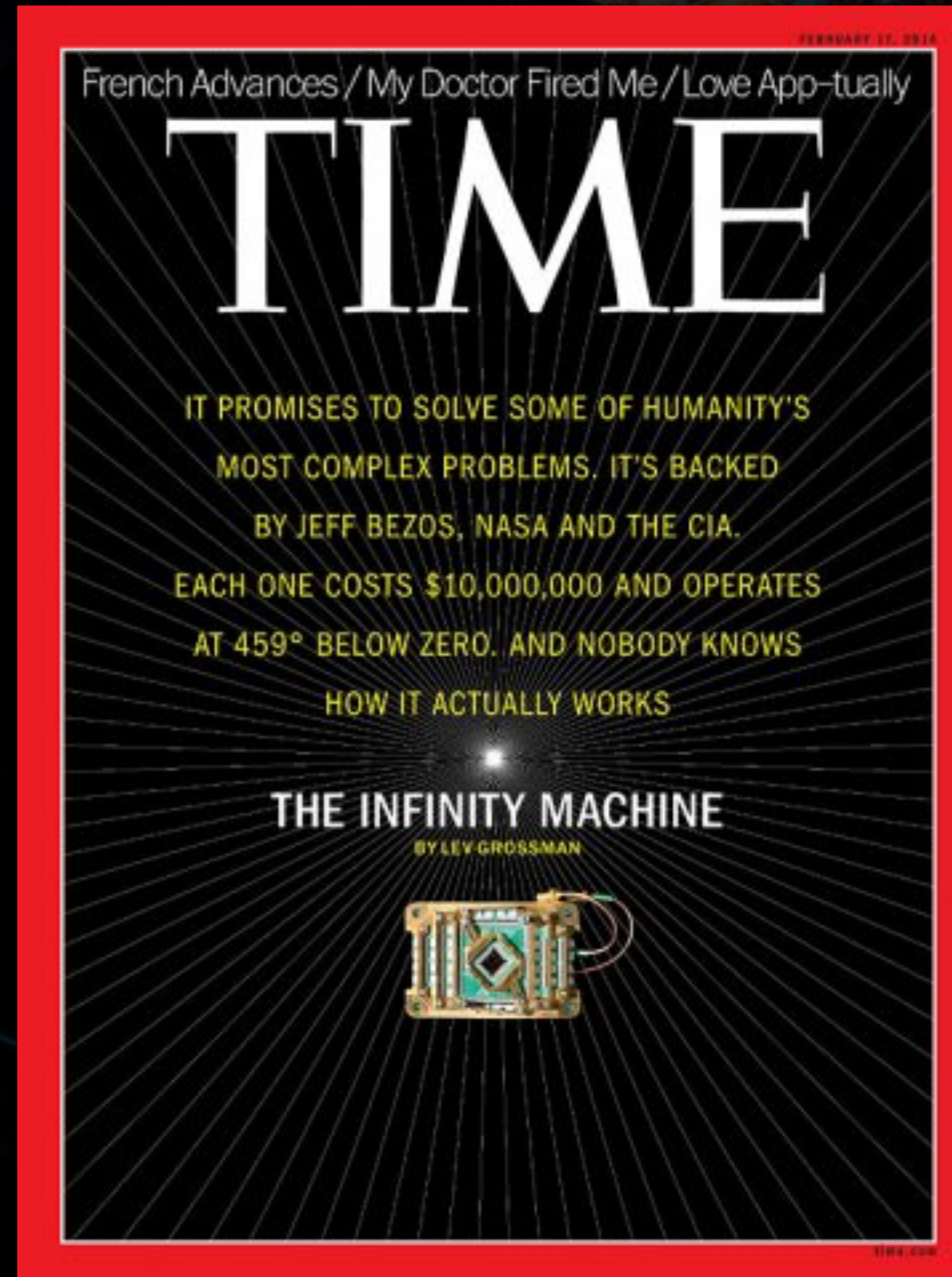
# TECHNOLOGY IS ALREADY EVOLVING FASTER THAN MOOR'S LAW



100.000 X In 14 Years



GOOGLE CLAIMS THEIR D-WAVE QUANTUM COMPUTER IS ABOUT 100 MILLION TIMES FASTER THAN TODAY'S MACHINES





# UNDERSTANDING THE EXPONENTIAL FUNCTION

*“The greatest shortcoming of the human race is our inability to understand the exponential function.”*

- Prof. Dr. Albert Bartlett -

