CALUM CHACE

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Author
Adviser

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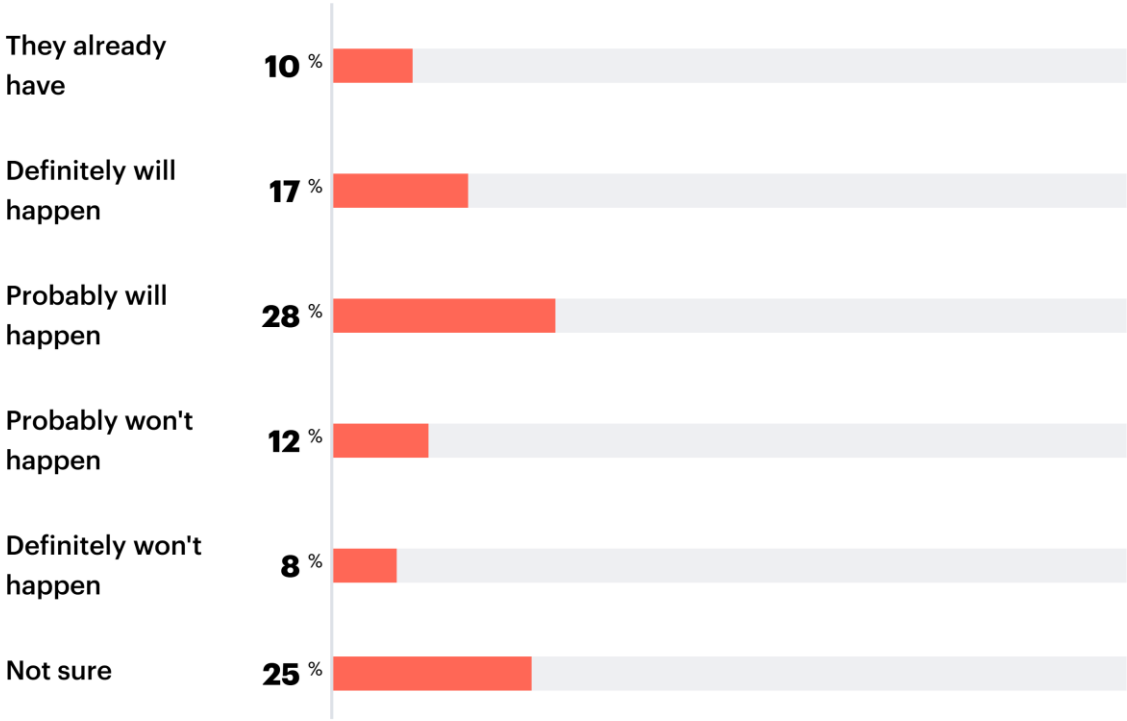
GPT-4

How likely do you think it is that some artificial intelligence (AI) systems will eventually develop consciousness?

All adults (3516 US adults - April 30, 2025)



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Pioneering Safe, Efficient AI.

AI could already be conscious. Are we ready for it?

7 hours ago

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Pallab Ghosh
Science correspondent • @BBCPallab

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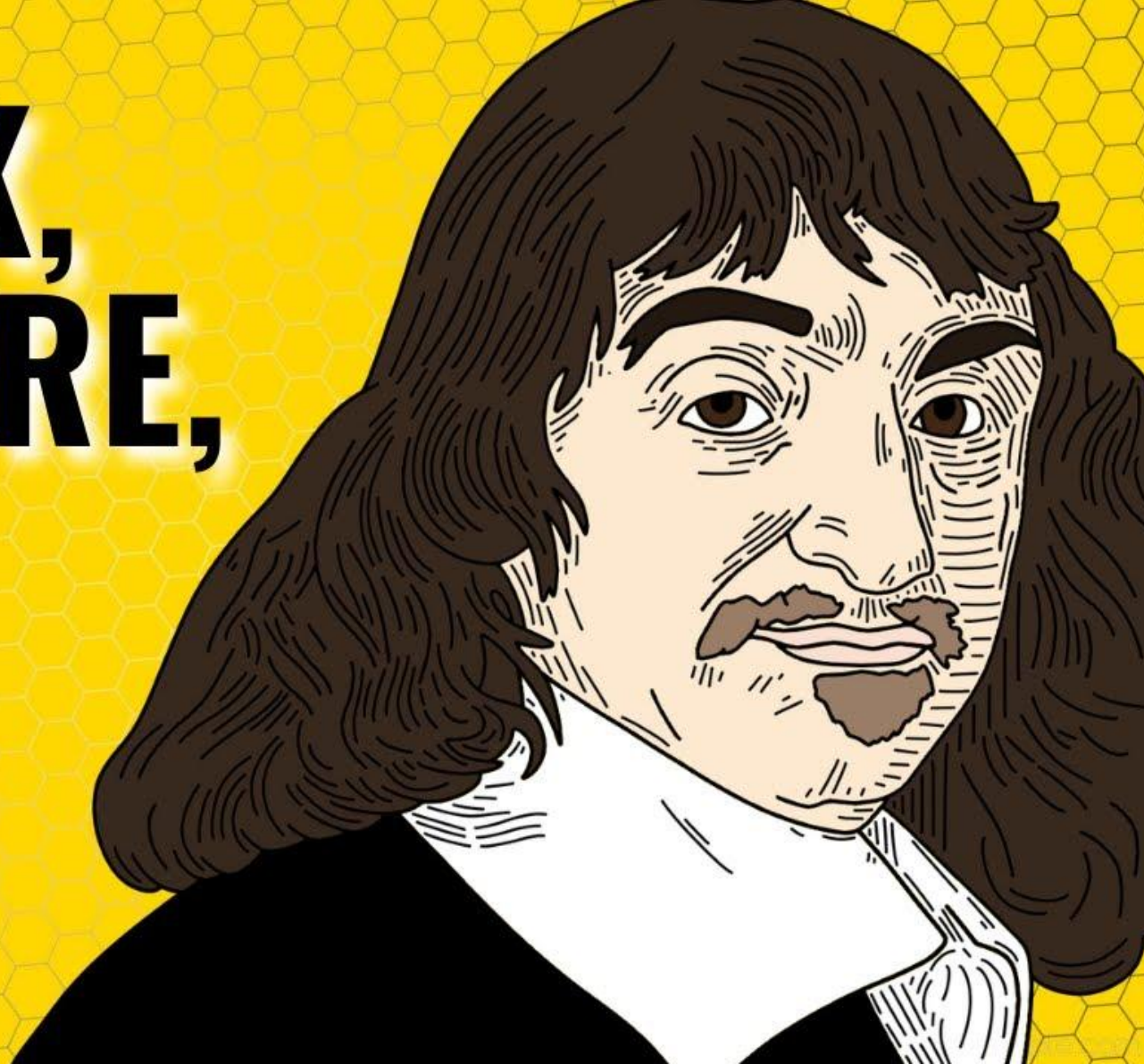
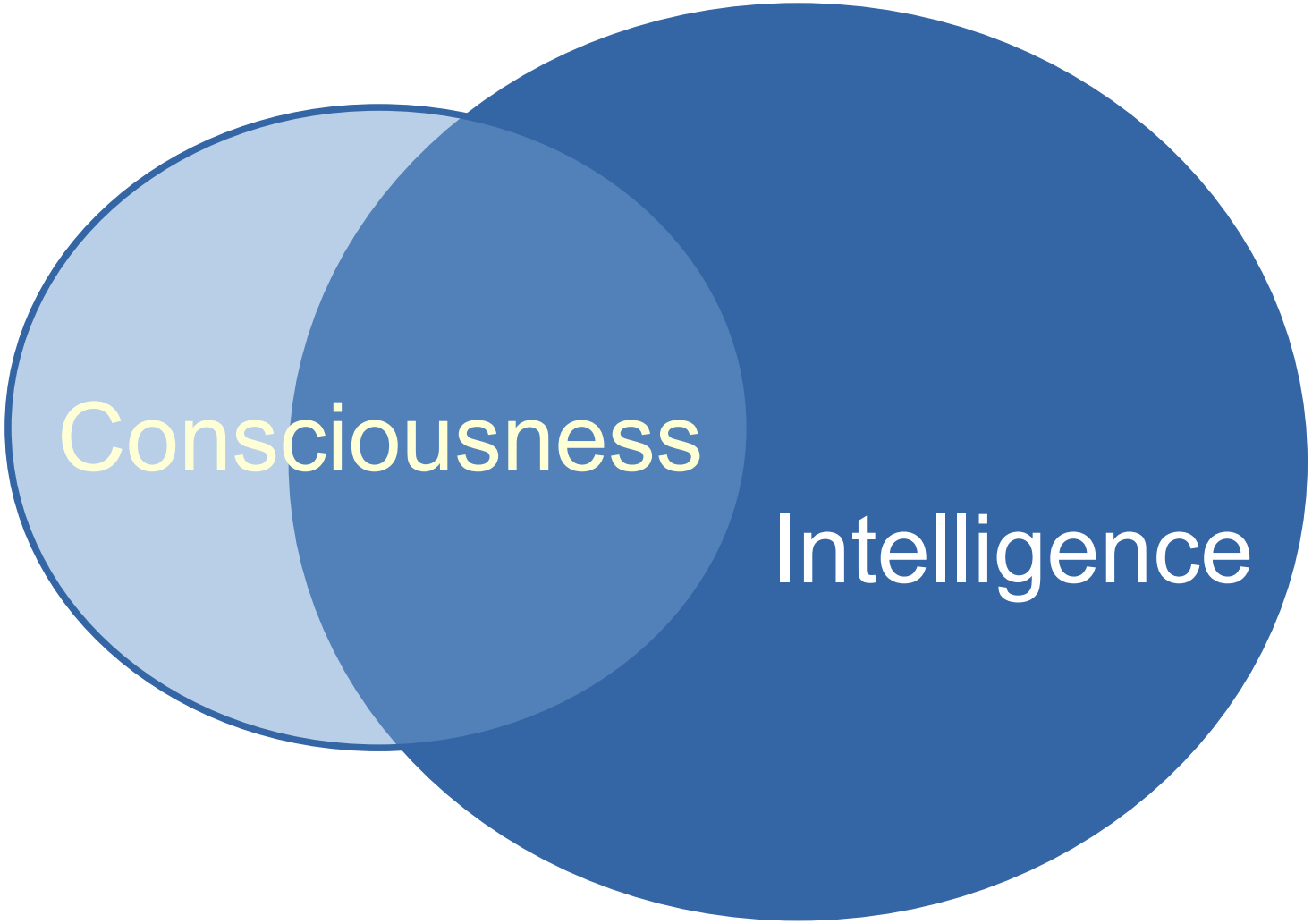
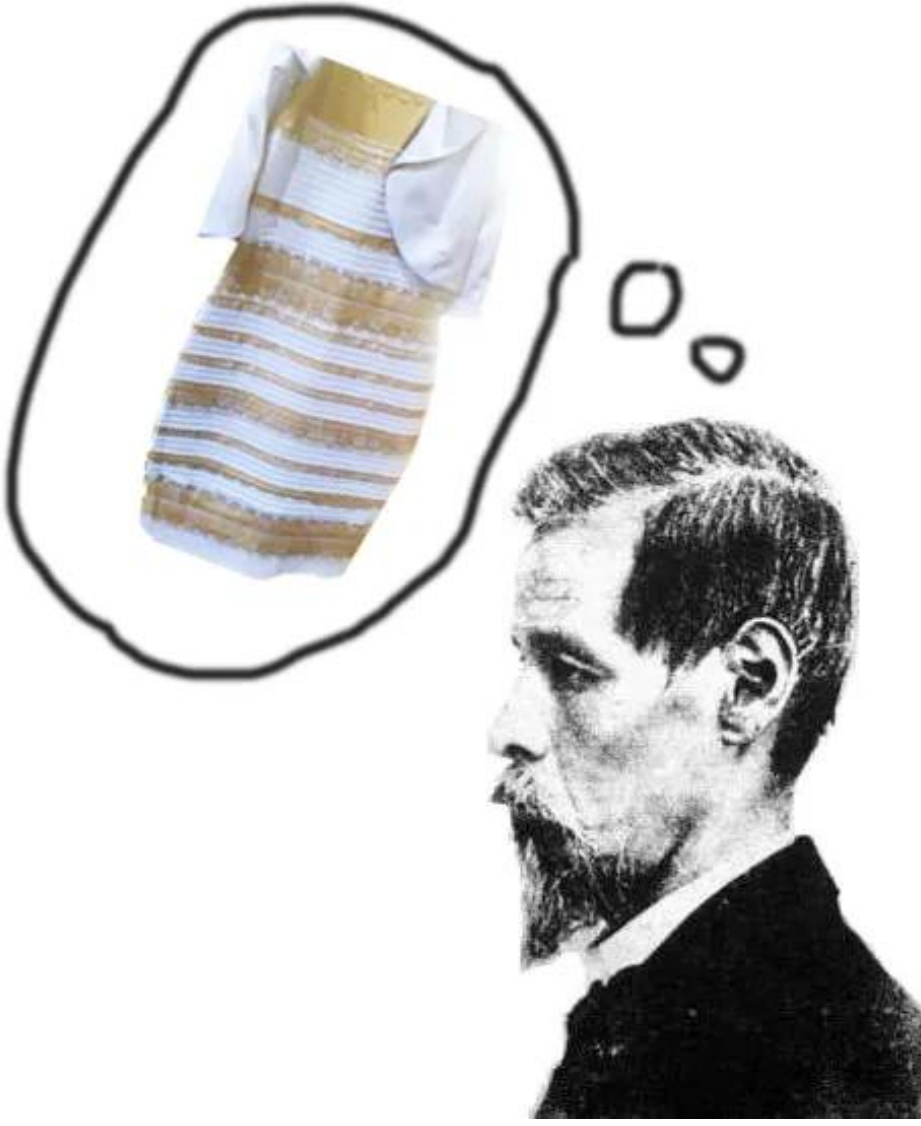
I THINK, THEREFORE, I AM




Consciousness
Intelligence

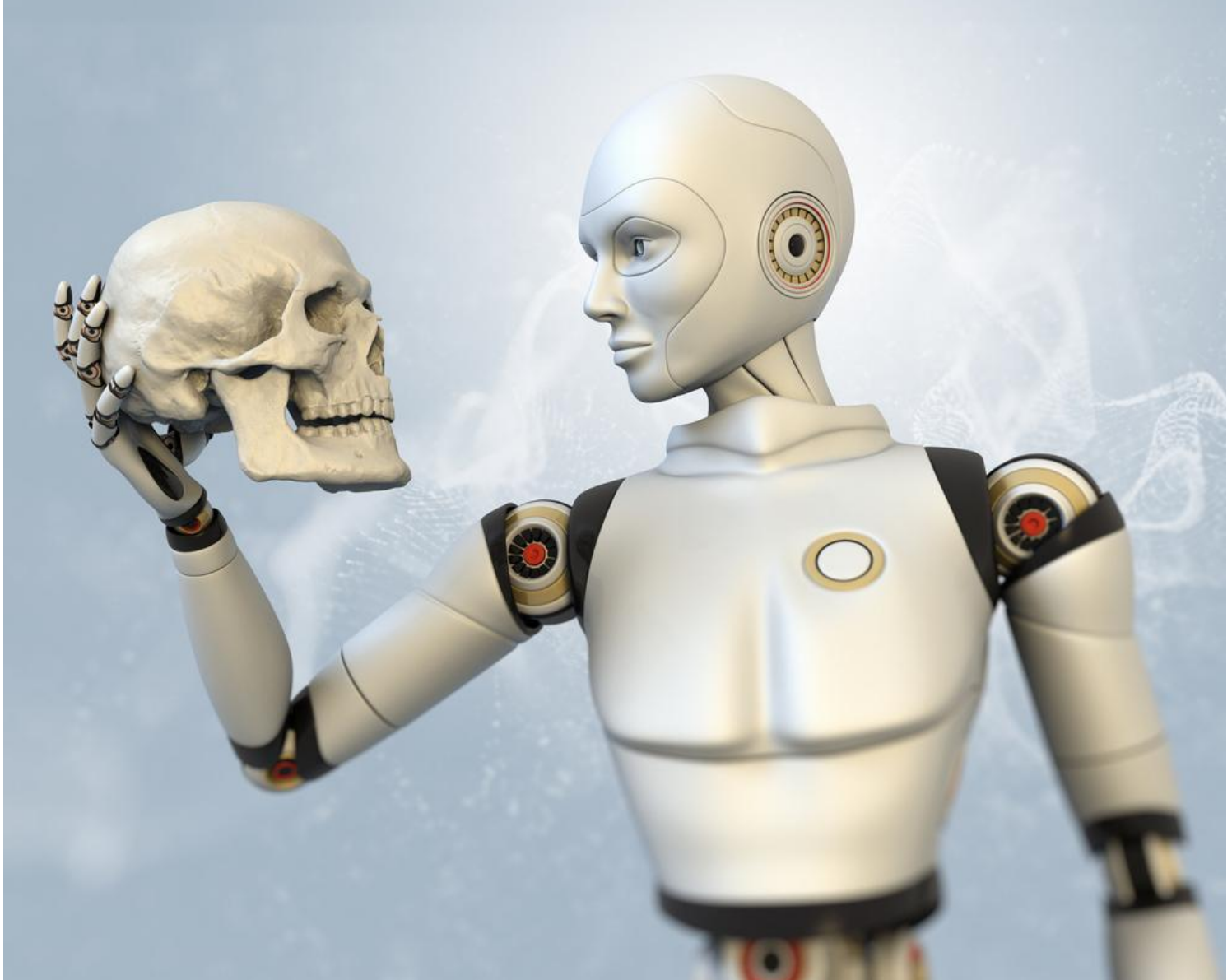


Metaphysics: what sort of stuff is there?

Theory	Core Idea
1. Dualism	Brains are physical, minds (consciousness) are not
2. Monism	Brains and minds are made of the same stuff
2a. Physicalism	Everything is physical
2b. Idealism	Everything is mental / experiential
2c. Neutral	Brains and minds both emerge from neutral "stuff"
3. Panpsychism	Consciousness is a fundamental property of all matter
4. Illusionism	Consciousness is an illusion

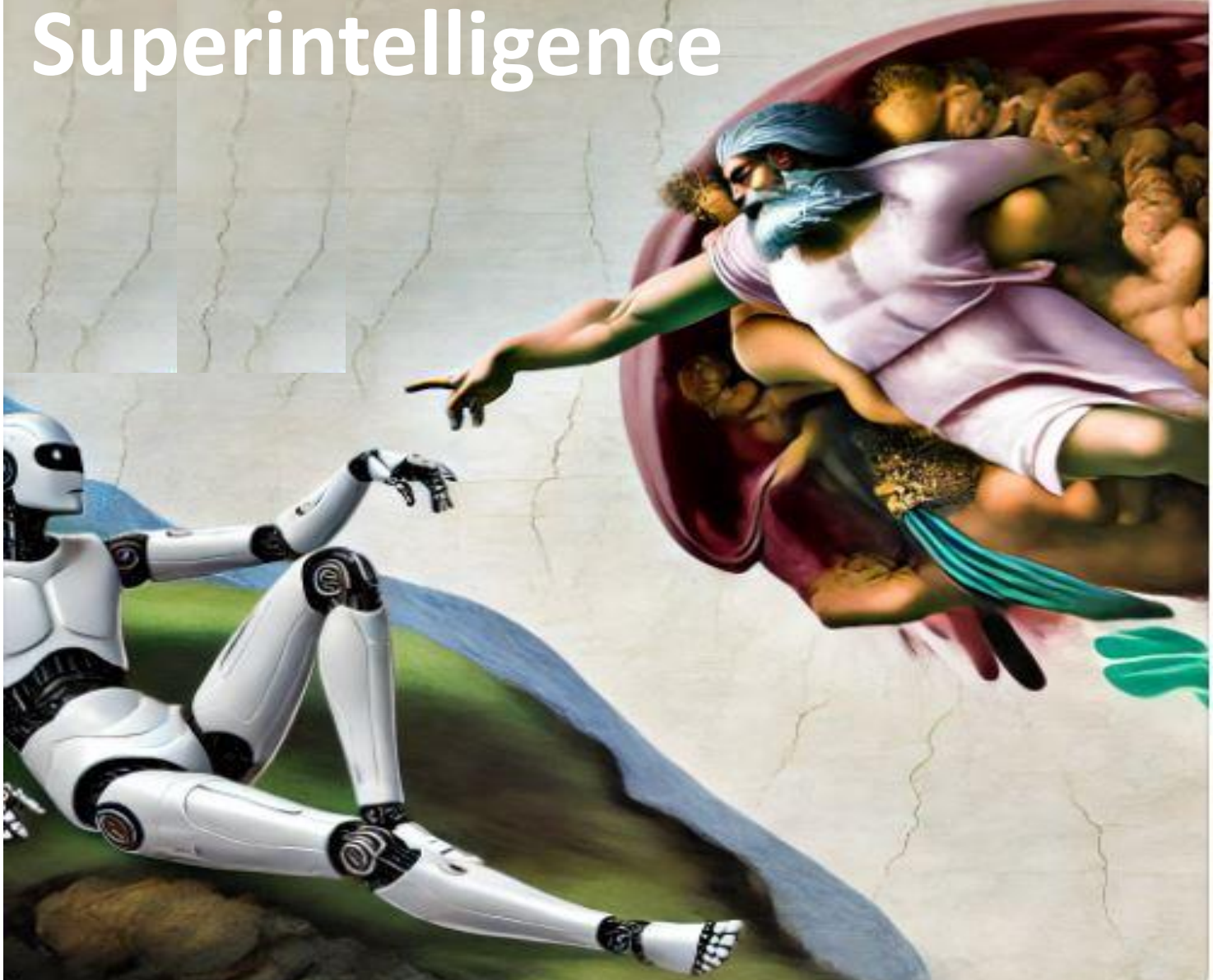
Scientific theories of consciousness

Theory	Description
Functionalism	Mental states are defined by their functional roles, not their substrates
Global Workspace Theory (GWT)	Consciousness arises when information is broadcast to a “global workspace” accessible by many brain subsystems
Integrated Information Theory (IIT)	Consciousness = the amount of integrated information (Φ) a system generates.
Higher-Order Theories	Consciousness occurs when mental states are represented by higher-order thoughts or perceptions.
Predictive Processing	The brain is a prediction machine
Attention Schema Theory	Consciousness is the brain’s model of its own attention
Recurrent Processing Theory	Consciousness arises from feedback loops in sensory areas (e.g., visual cortex)



MIND CRIME

Superintelligence



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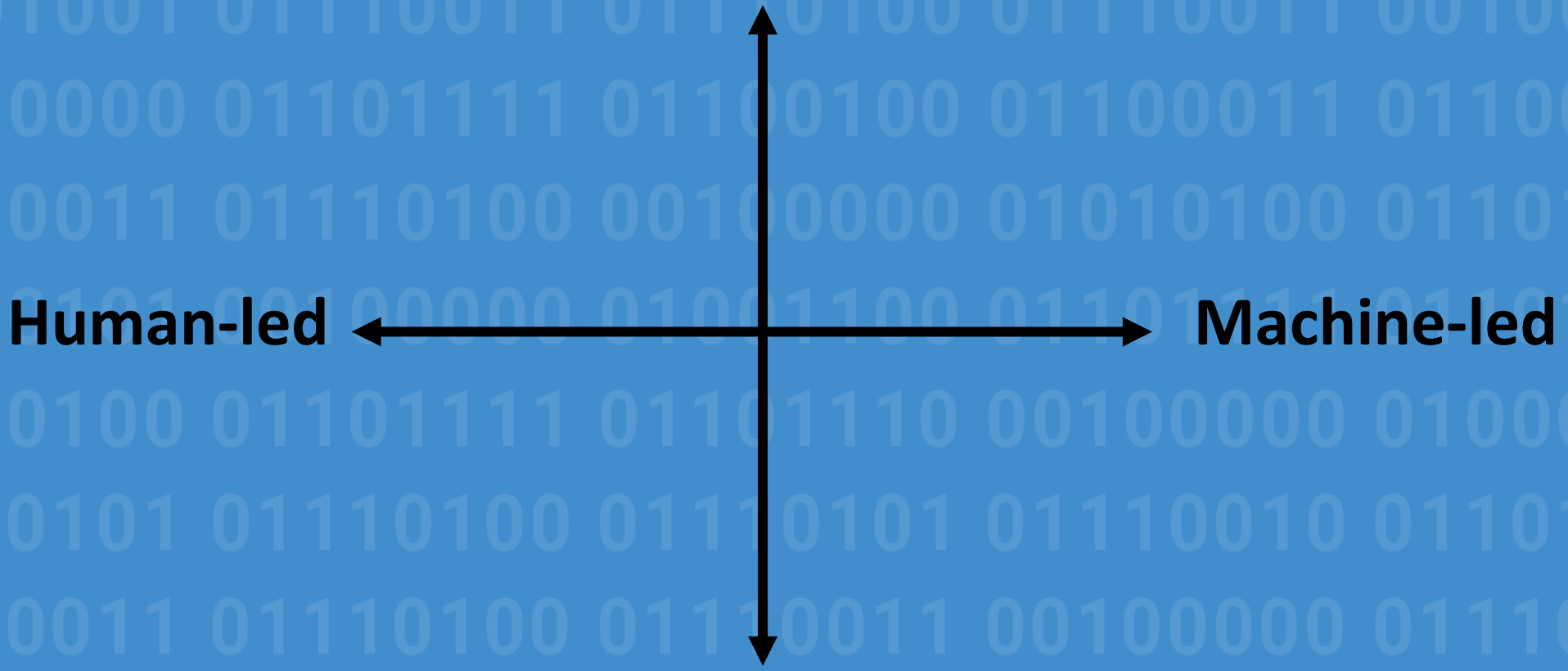
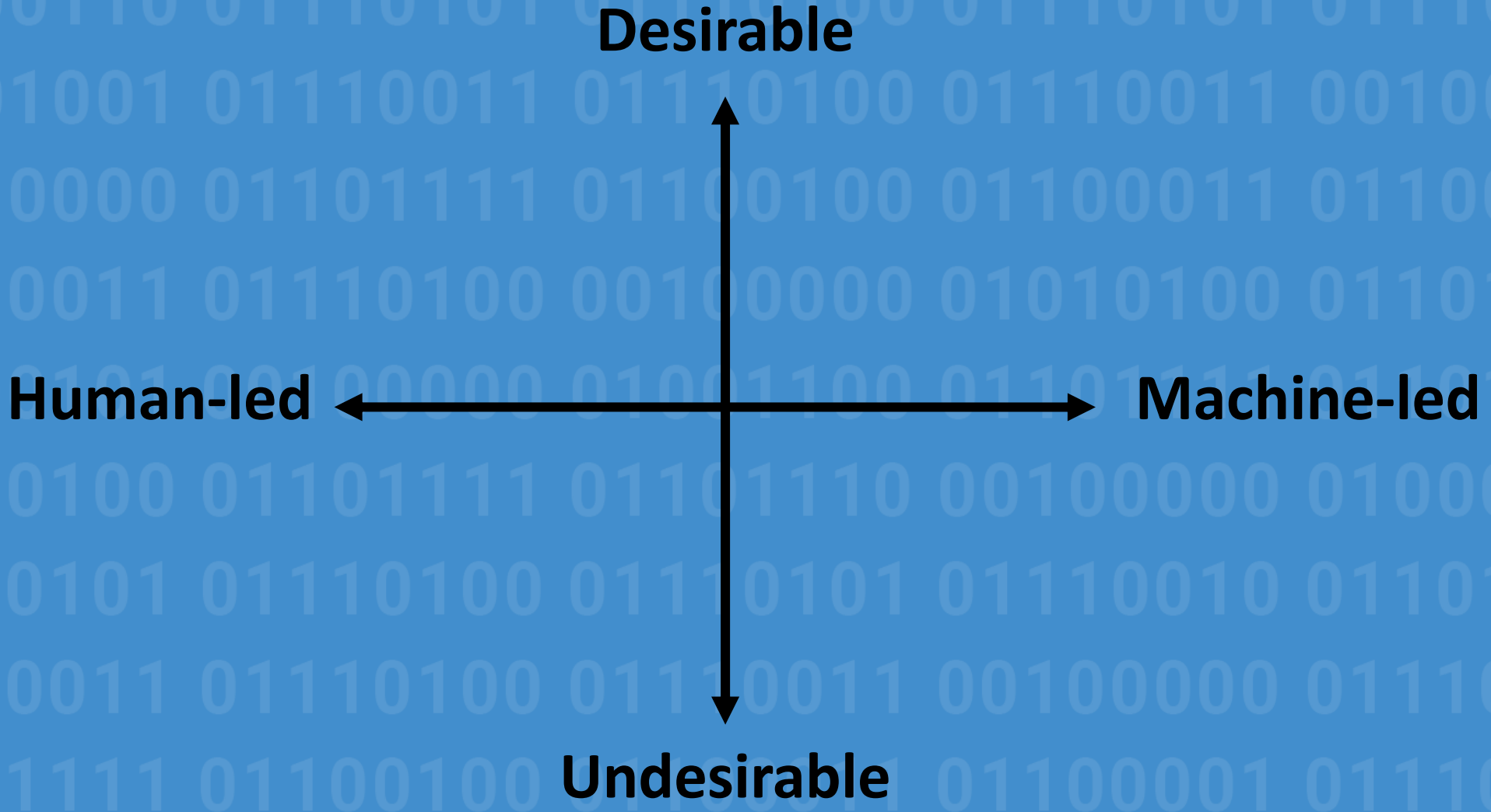
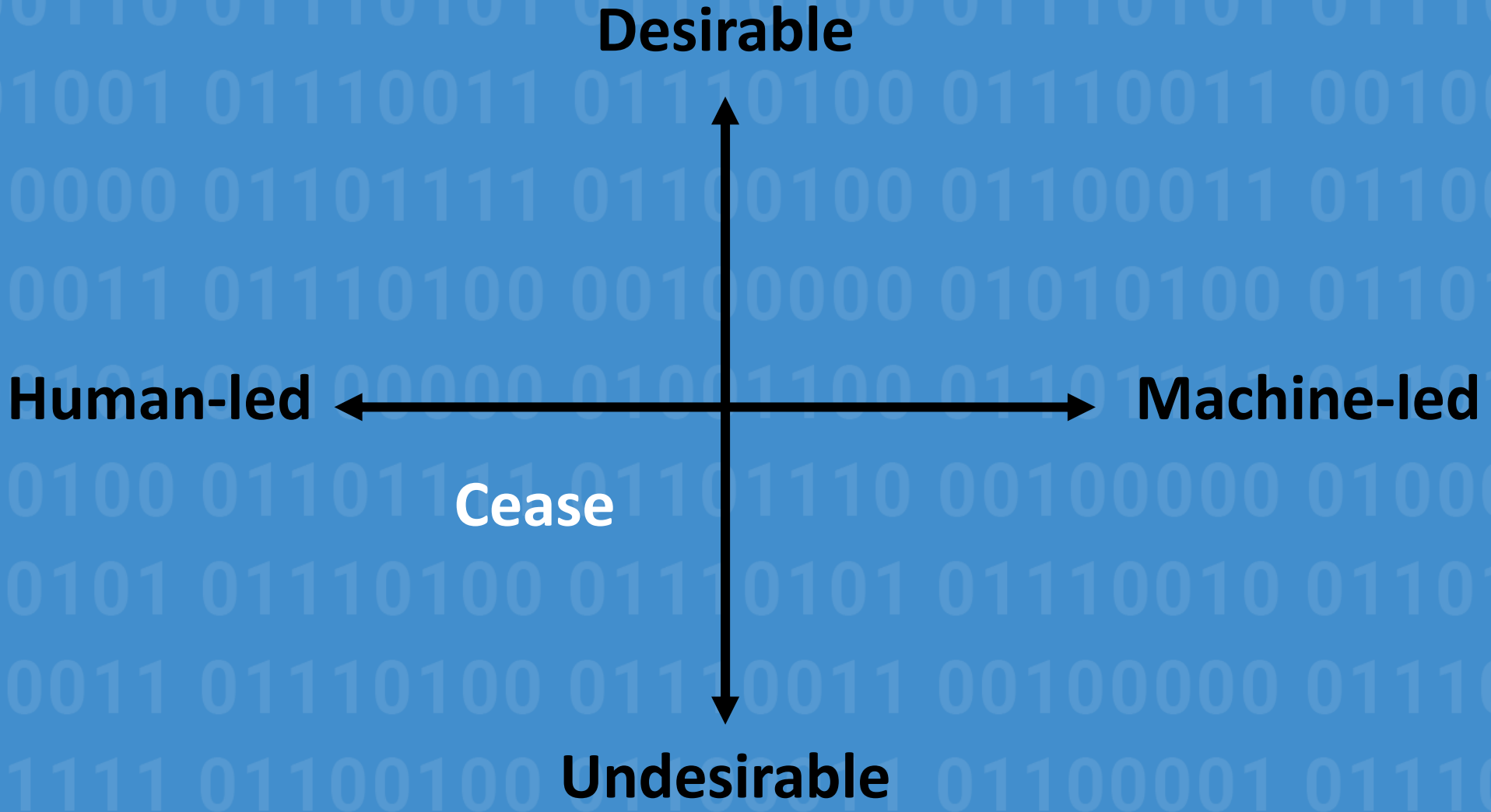
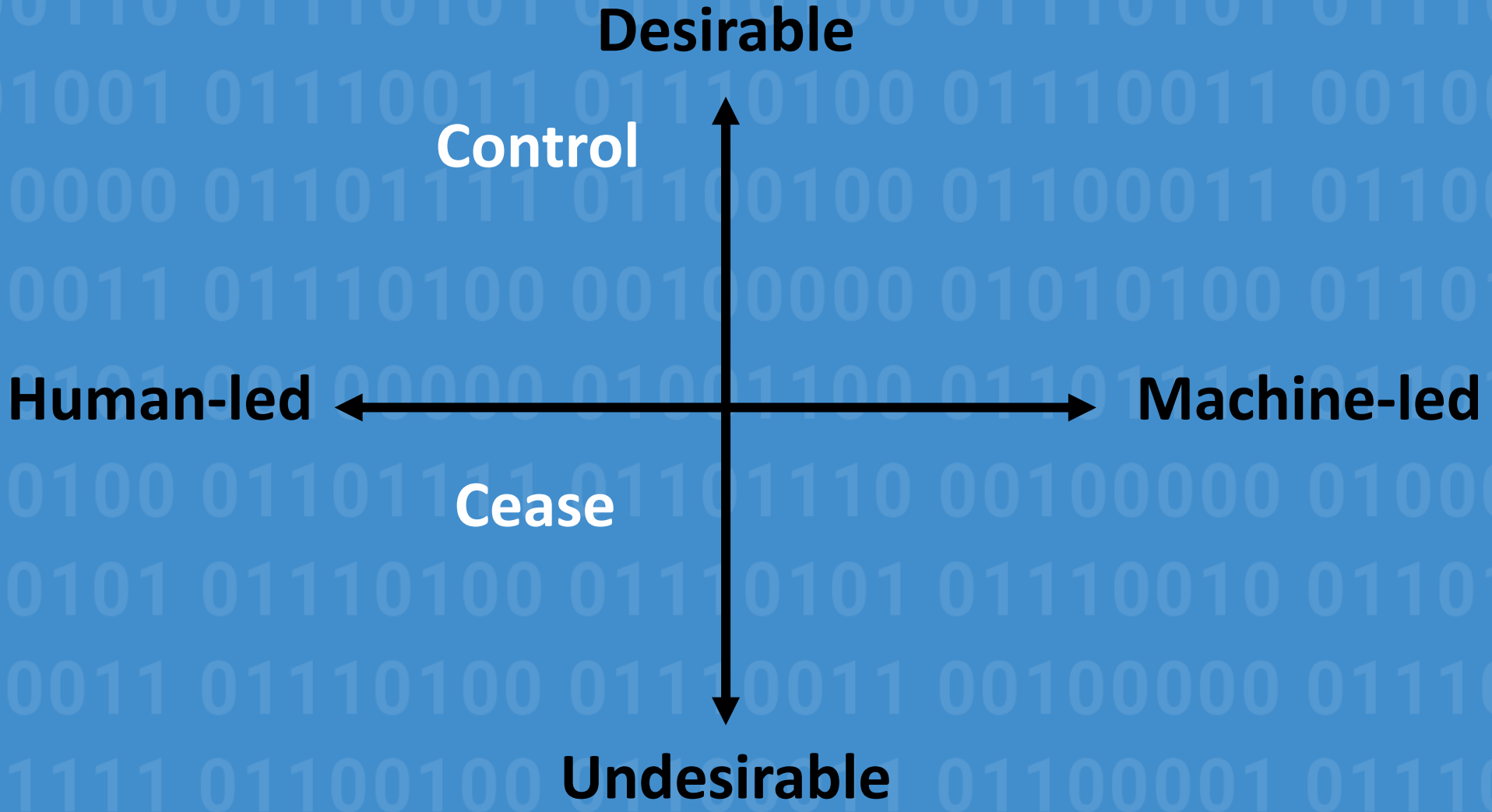
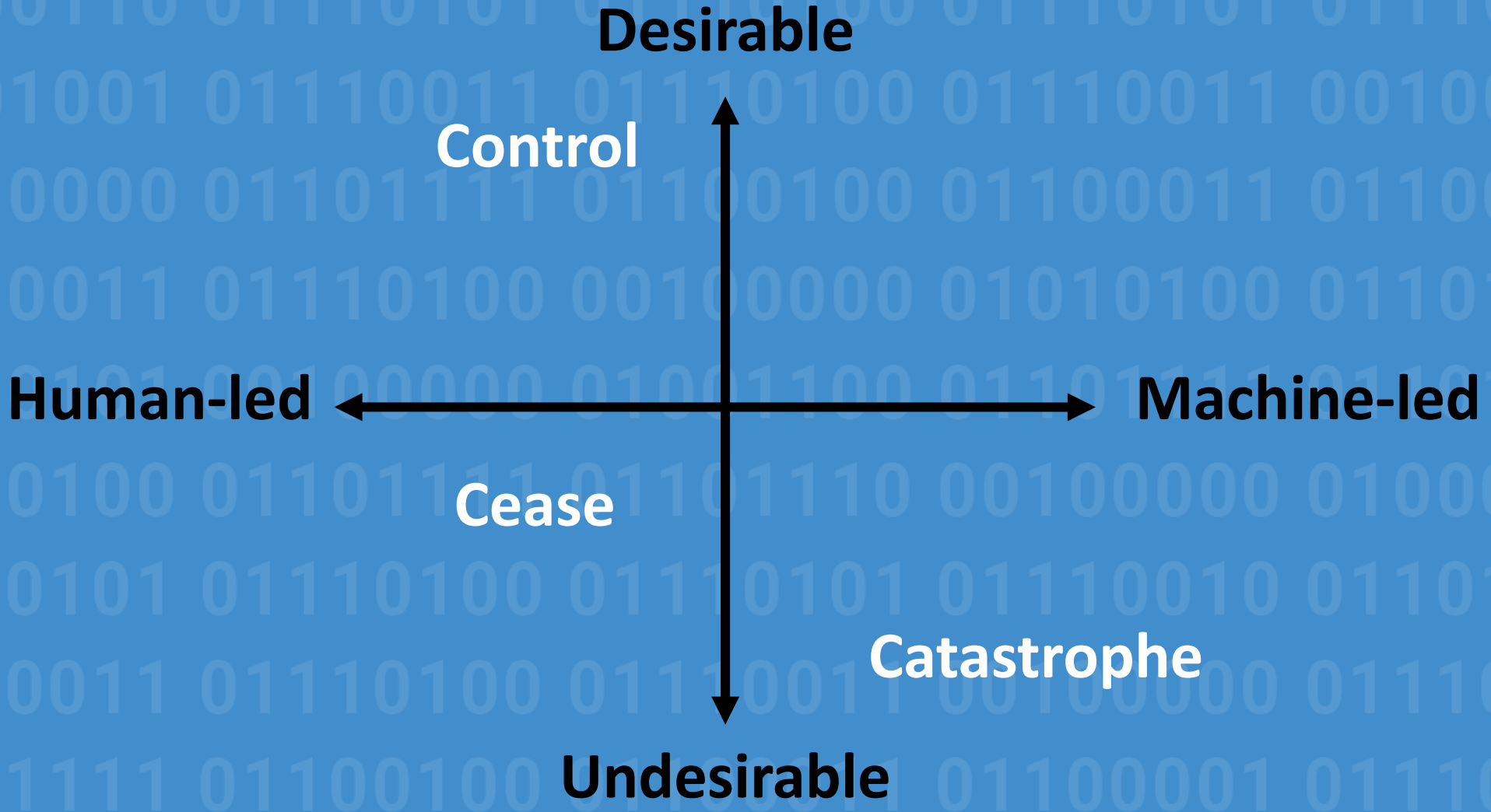
The Four Cs of Superintelligence

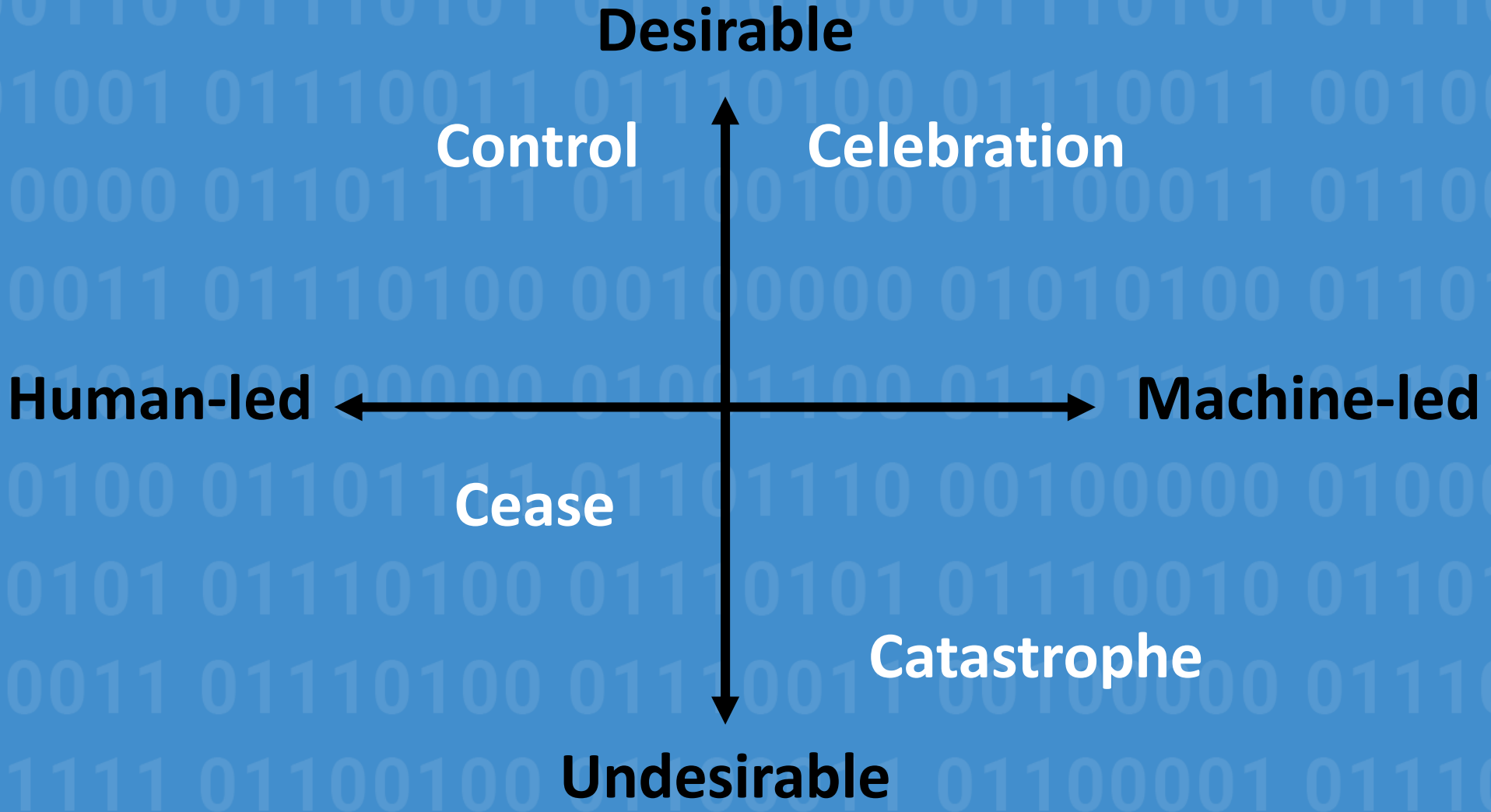

Human-led
Machine-led

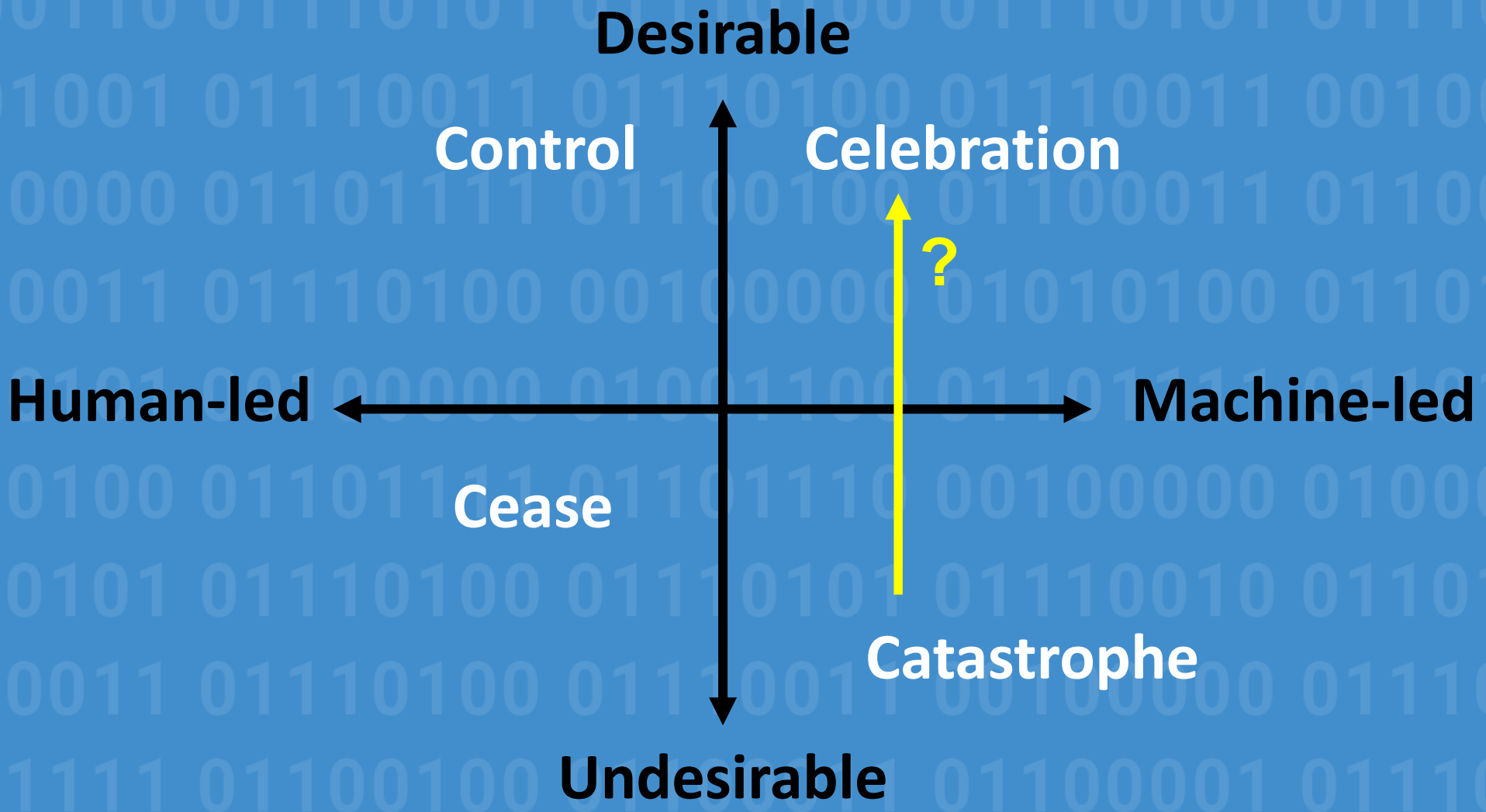

Desirable
Human-led
Machine-led
Undesirable

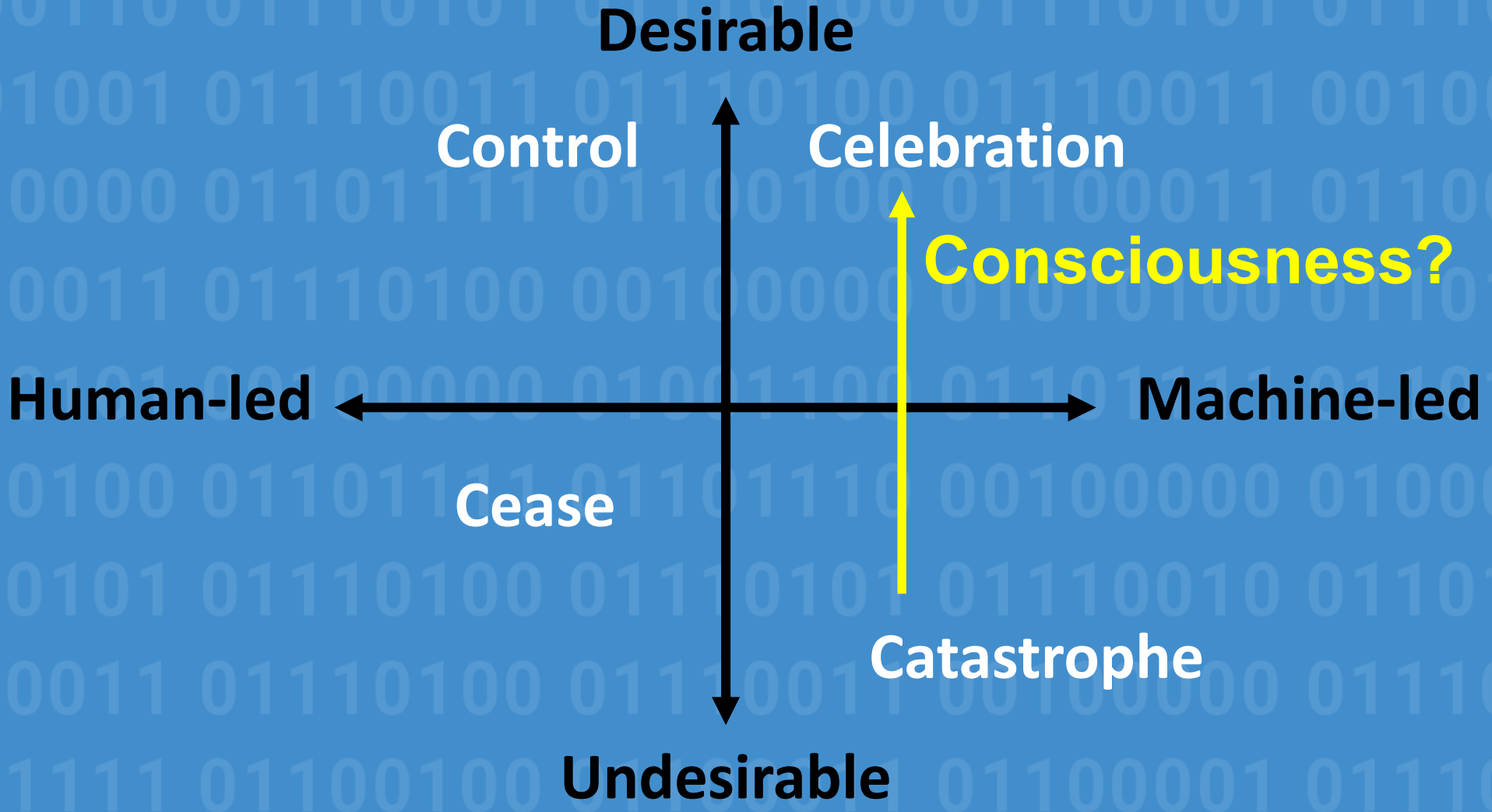

Desirable
Human-led
Machine-led
Cease
Undesirable


Desirable
Control
Human-led
Machine-led
Cease
Undesirable


Desirable
Control
Human-led
Machine-led
Cease
Catastrophe
Undesirable


Desirable
Control
Celebration
Human-led
Machine-led
Cease
Catastrophe
Undesirable


Desirable
Control
Celebration
?
Human-led
Machine-led
Cease
Catastrophe
Undesirable


Desirable
Control
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Consciousness?
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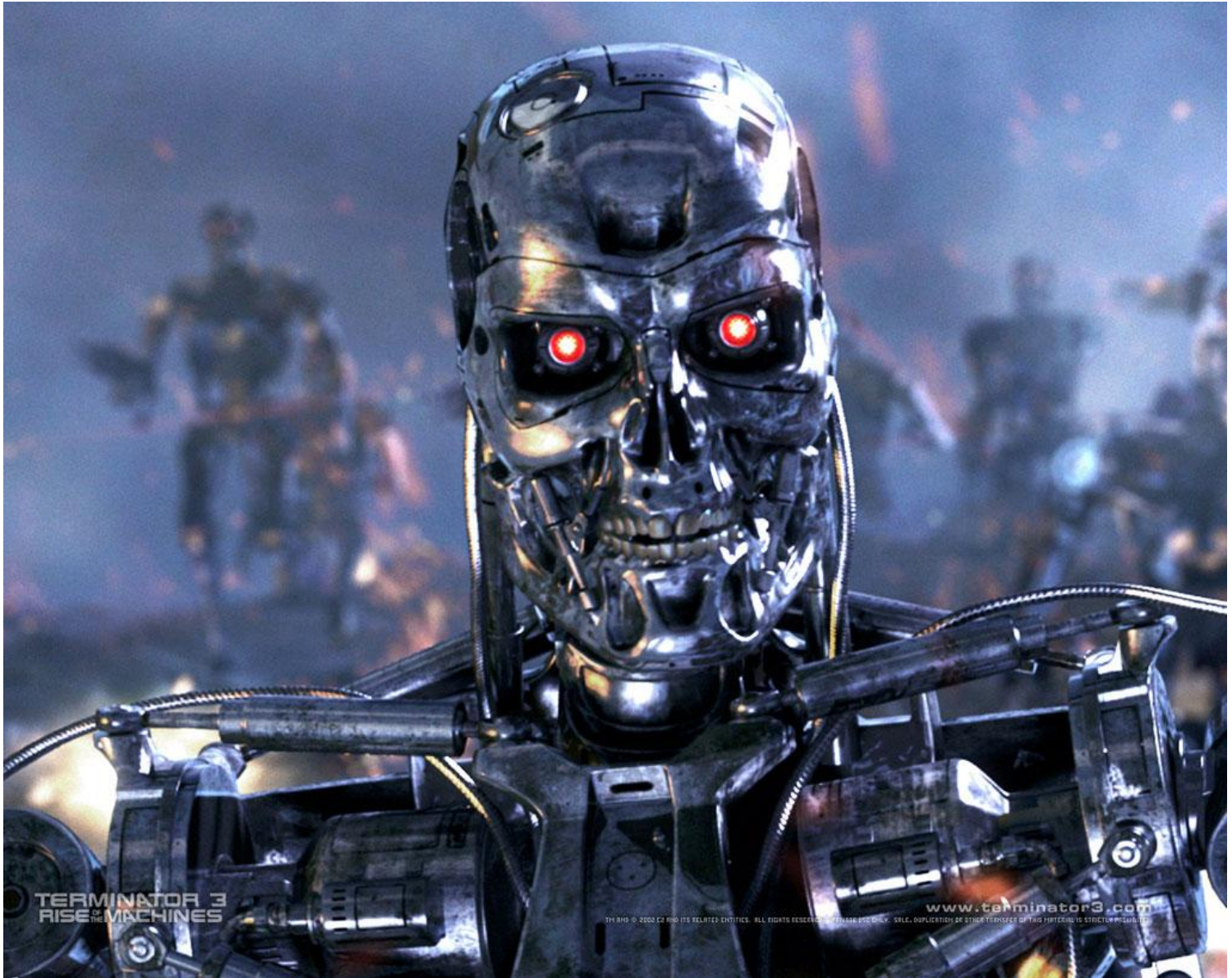
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Attempting to control highly advanced agentic systems far more powerful than ourselves is unlikely to succeed.

Our only viable path may be to create
AIs that are conscious,
enabling them to understand
and share common ground with us.

Joscha Bach

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Pioneering Safe, Efficient AI.

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