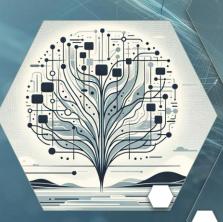
ARTIFICIAL & AUTHENTIC INTELLIGENCE

MODERN A.I.



Protein Folding

Large Language Models (LLMs)

Image &

Video Generation Healthcare Diagnostics







COMPUTATION Algorithms • Data processing Math

REDUCTIONISM

Psychology

Biology

Chemistry

Physics

Math

GÖDEL'S INCOMPLETENESS THEOREM

There are things we know are true but cannot be formally proven.

Consequently:

You cannot formalize the corpus of understanding into a scheme which can be put on a computer.

LIMITS OF MATH

- Is math complete?
 - Is there a way to prove every true statement? No there will always exist true statements which cannot be proven.
- Is math consistent?
 - Is it free of contradiction? No there is no way for a formal system to prove itself.
- Is math decidable?
 - Is there an algorithm that can always determine whether a statement follows from the axioms? No there are always going to be some statements whose truth or falsity cannot be decided just by algorithmic means.

What does it mean to understand something?



Is consciousness or understanding the result of computation?

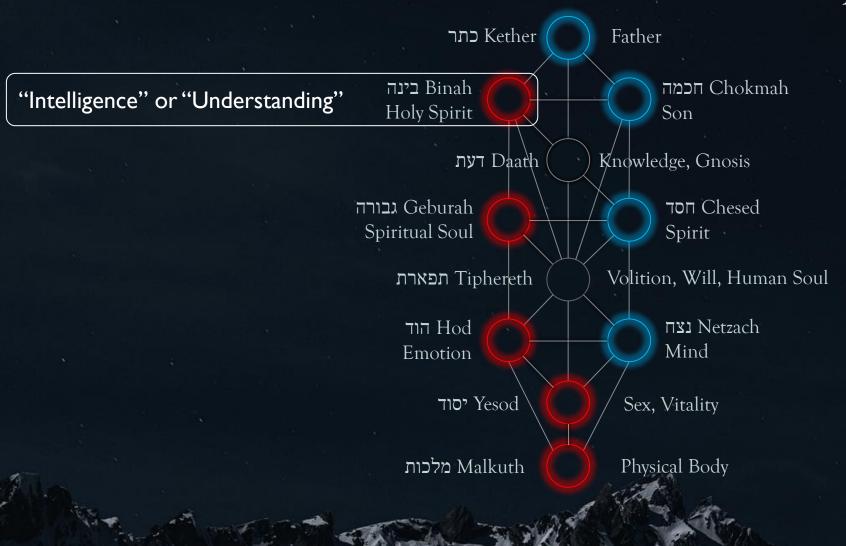
TREE OF LIFE

כתר Kether Father חכמה Chokmah Binah בינה Holy Spirit Son Knowledge, Gnosis דעת Daath גבורה Geburah חסד Chesed Spiritual Soul Spirit Volition, Will, Human Soul תפארת Tiphereth נצח Netzach Hod הוד Mind Emotion יסוד Yesod Sex, Vitality מלכות Malkuth Physical Body

TREE OF LIFE

כתר Kether Father Binah בינה חכמה Chokmah "Intelligence" or "Understanding" Holy Spirit Son דעת Daath Knowledge, Gnosis גבורה Geburah חסד Chesed Spiritual Soul Spirit תפארת Tiphereth Volition, Will, Human Soul נצח Netzach Hod הוד Mind Emotion יסוד Yesod Sex, Vitality מלכות Malkuth Physical Body

TREE OF LIFE



TREE OF LIFE

כתר Kether Father הכמה Chokmah Binah בינה "Intelligence" or "Understanding" Holy Spirit Son דעת Daath Knowledge, Gnosis גבורה Geburah חסד Chesed The left side represents Spiritual Soul Spirit That Which Must be Acquired. It is potential, the Promethean תפארת Tiphereth Volition, Will, Human Soul fire that gives creative potential נצח Netzach Hod הוד to humanity, and can be Mind Emotion transformed into understanding. יסוד Yesod Sex, Vitality מלכות Malkuth Physical Body

The right side represent *That* Which Already Is. Abstract principles, ideals, and forces which remain unfulfilled without the left side.

We can think of universal ideals well before we *realize* them.

What happens when A.I. generated content is increasingly easy to produce and discern from the real thing?

What is the way out of this maze?