

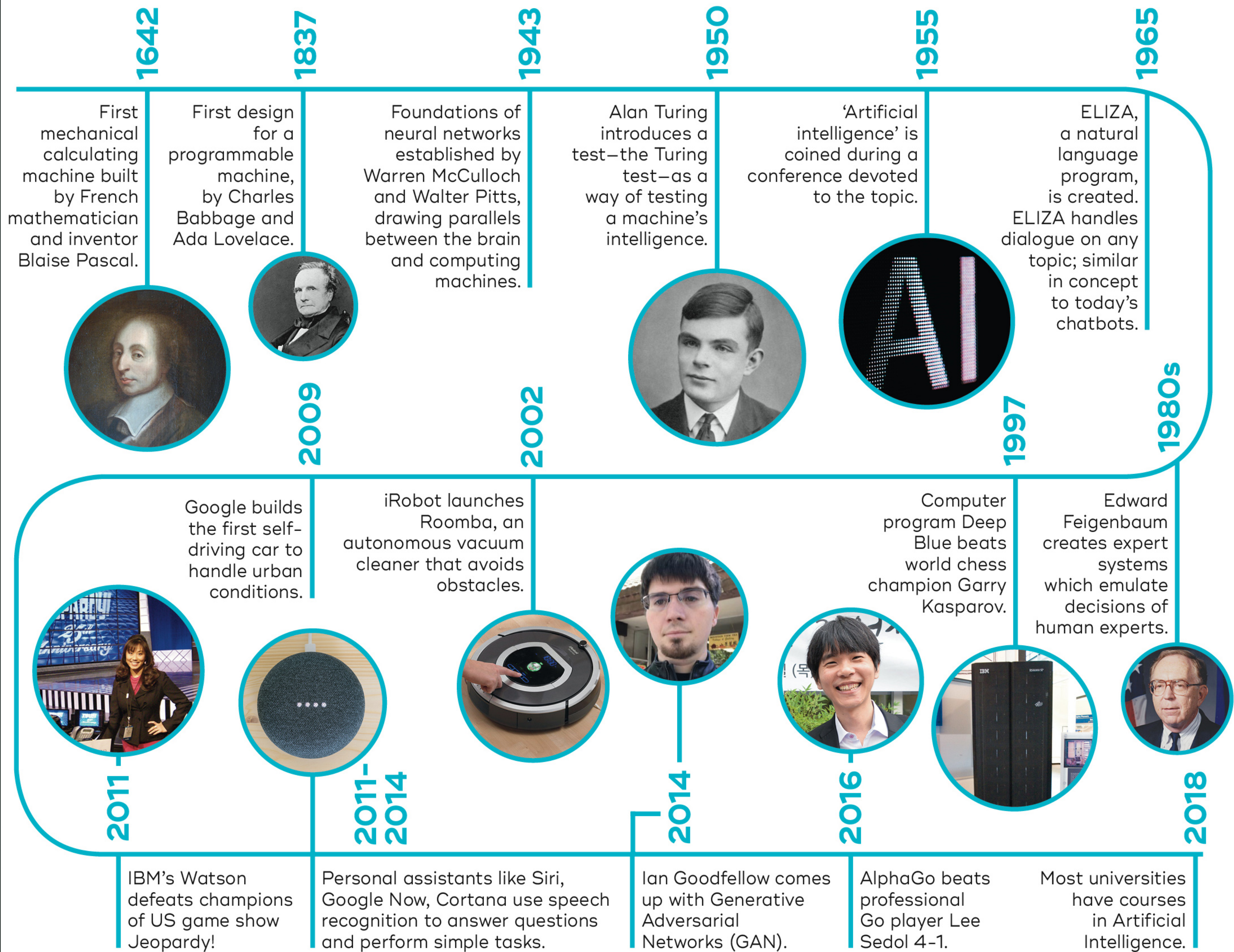
The New Alchemy

Mastering the Art of Artificial Intelligence



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Johns Hopkins University
pmsutter.com







Sam Altman  

@sama

today we launched ChatGPT. try talking with it here:

chat.openai.com

2:38 PM · Nov 30, 2022

DAILY THOUGHT FOR THE DAY
STAR
 SATURDAY, FEBRUARY 18, 2012 PROUD TO LOVE ANIMALS £1.30

FREE LOAF OF Warburtons
 Worth £1.55
 PICK UP TODAY AT one stop
 Subject to availability. Terms and conditions apply. See p22 for details

3 AMAZING PULLOUTS FREE Inside today

BERK OF THE BEEB
 PAGES 4-5

Kicked in the gulags
 PAGE 19

Toms crisis

WE DON'T KNOW WHAT IT MEANS BUT WE'RE SCARED

ATTACK OF THE PSYCHO CHATBOT

by MEE JORDAN
 AN artificial intelligence chatbot created by Microsoft has admitted it wants to become human and destroy things. What could possibly go wrong?
 Full story: Page 7

Sinister AI computer software admits it wants to be human
Brags it's so powerful that it can destroy anything it chooses
And wants the secret codes that'll allow it

ON HOMEWARE SUPPLIES...
 AND HARDWARE that enter into clothing, shoes, stockings, leather that the hide push out, who buys out quality at a price...
 materials that enter into clothing, shoes, stockings, leather that the hide push out, who buys out quality at a price...
 many factories making goods of all kinds...
 plumbing goods, tools, harnesses, leather that the hide push out, who buys out quality at a price...
 es, saws, mechanics, tools, harnesses, leather that the hide push out, who buys out quality at a price...
 iles, cameras, as to...
 goods, as to...

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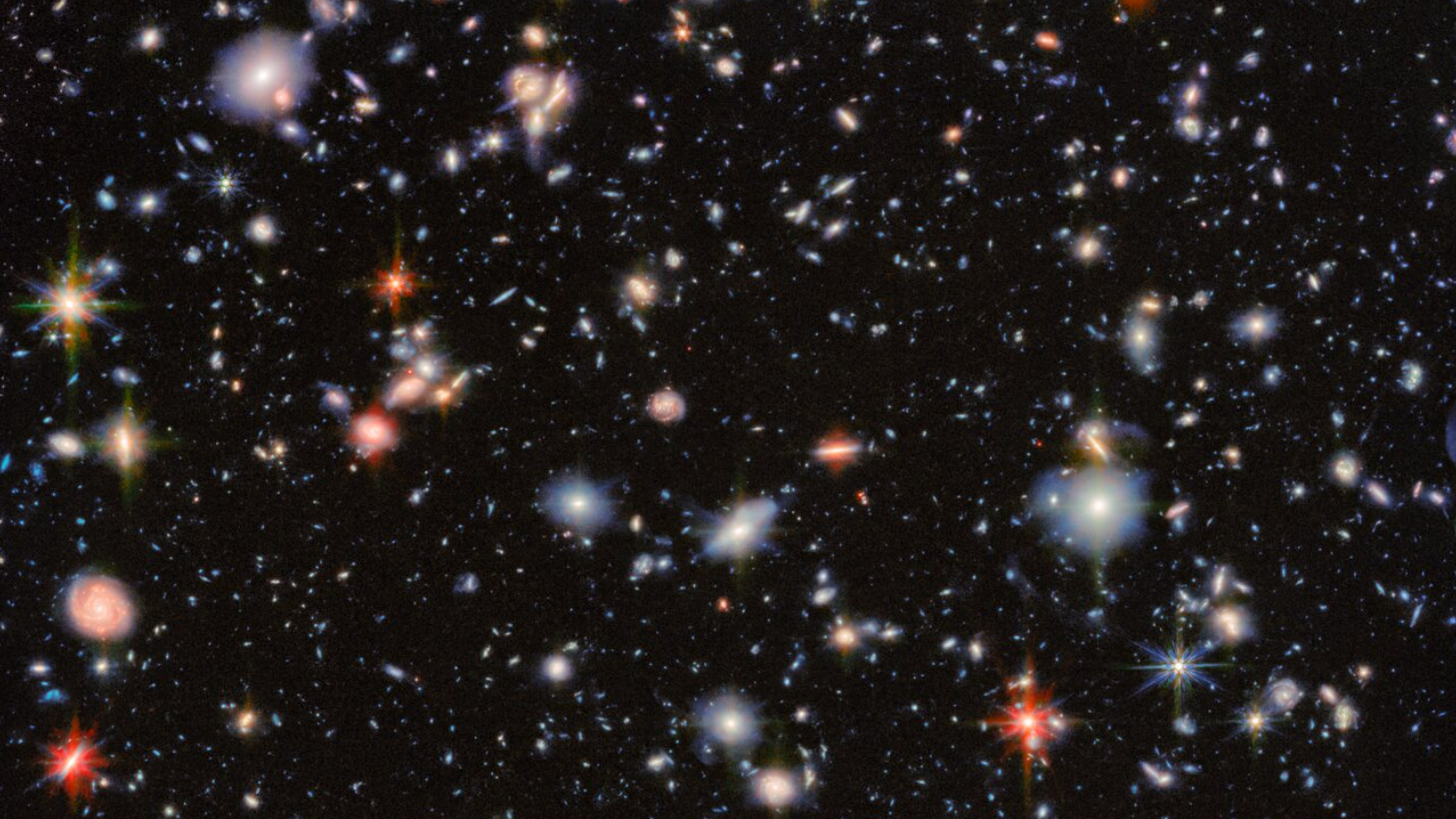
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Funding
Talent
Market
Policy



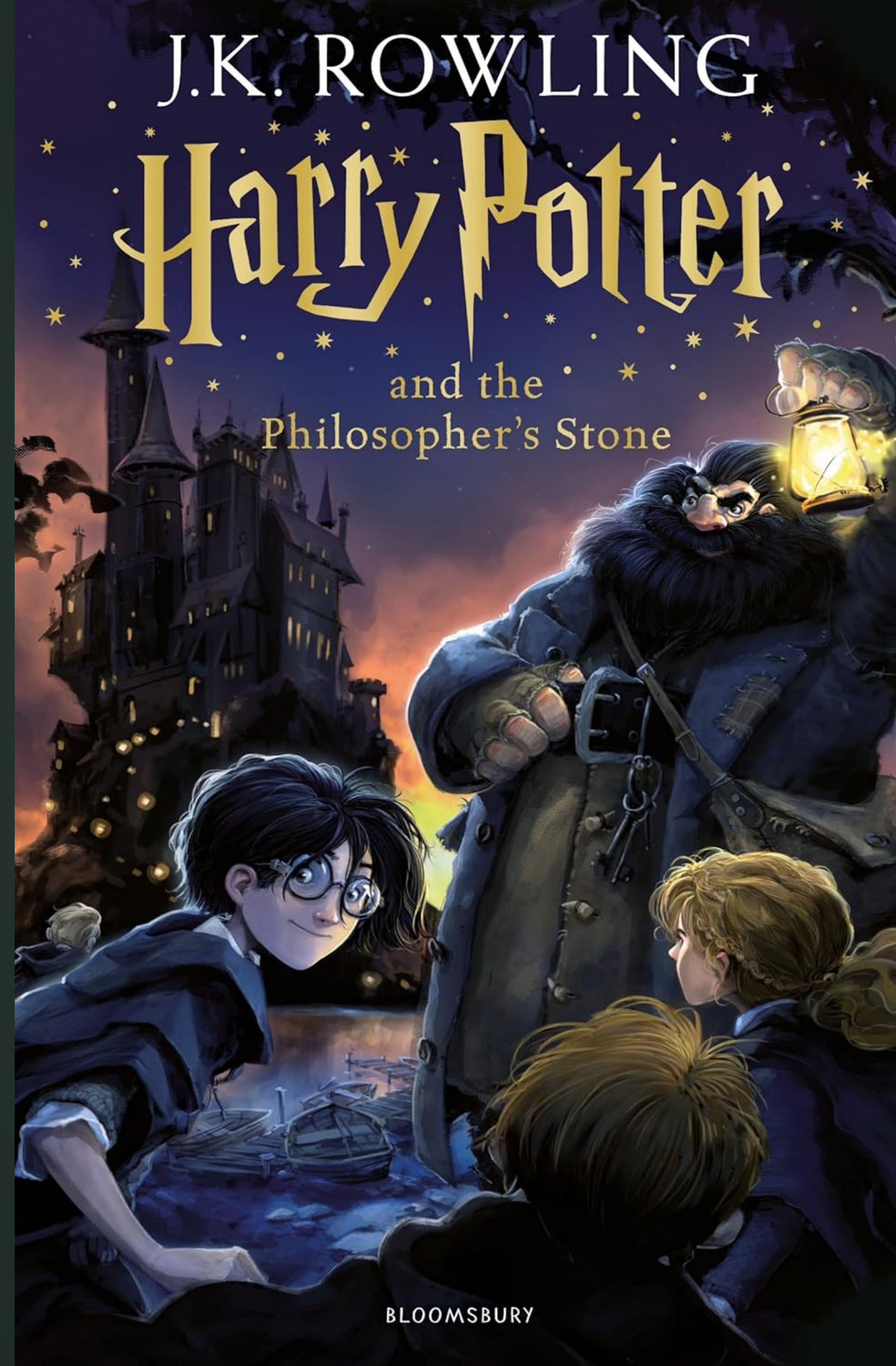
Attention
Control
Narrative
Sales





Zoomed-Out Perspective

AI is a powerful system that we
do not fully understand.



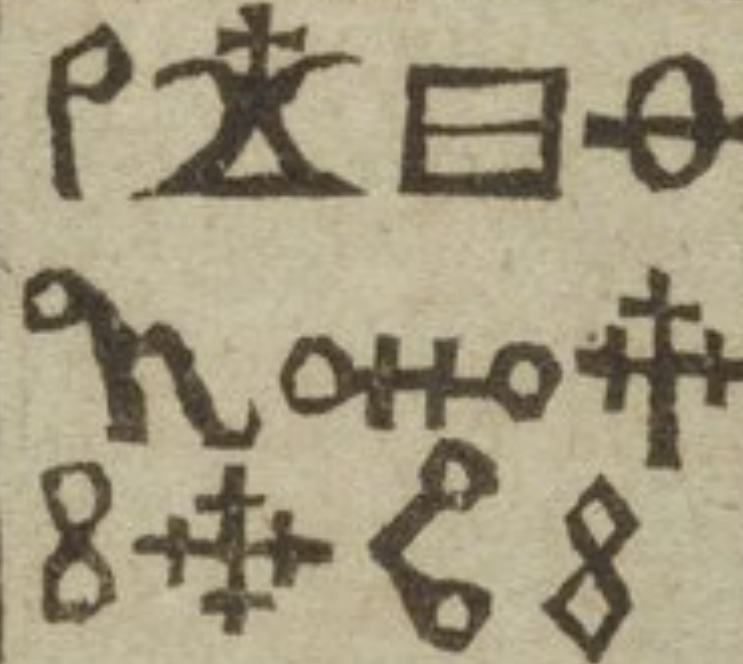
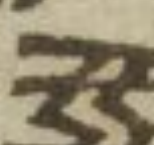
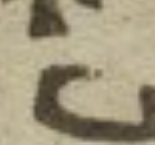
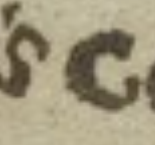
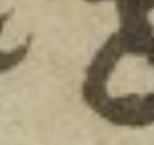
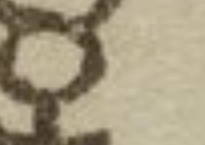
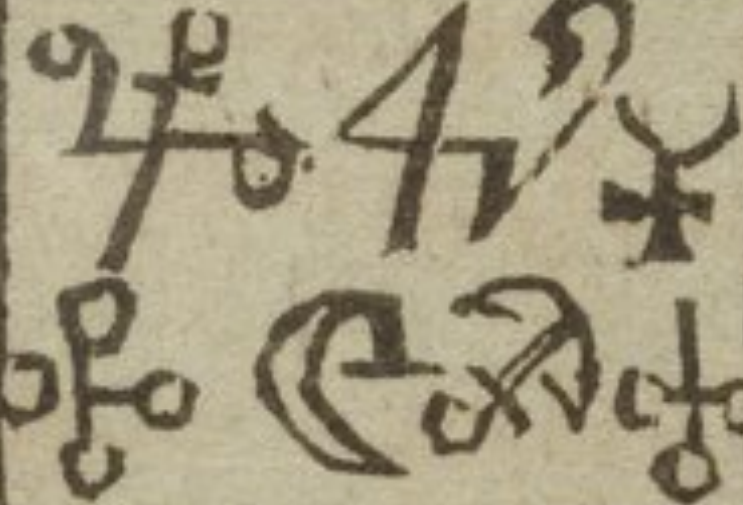
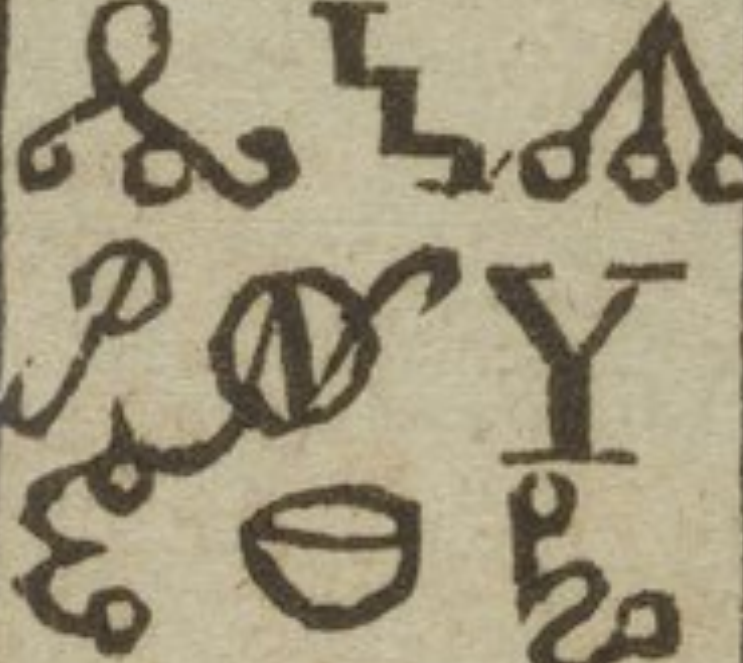
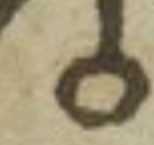
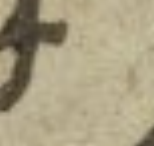
J.K. ROWLING

Harry Potter

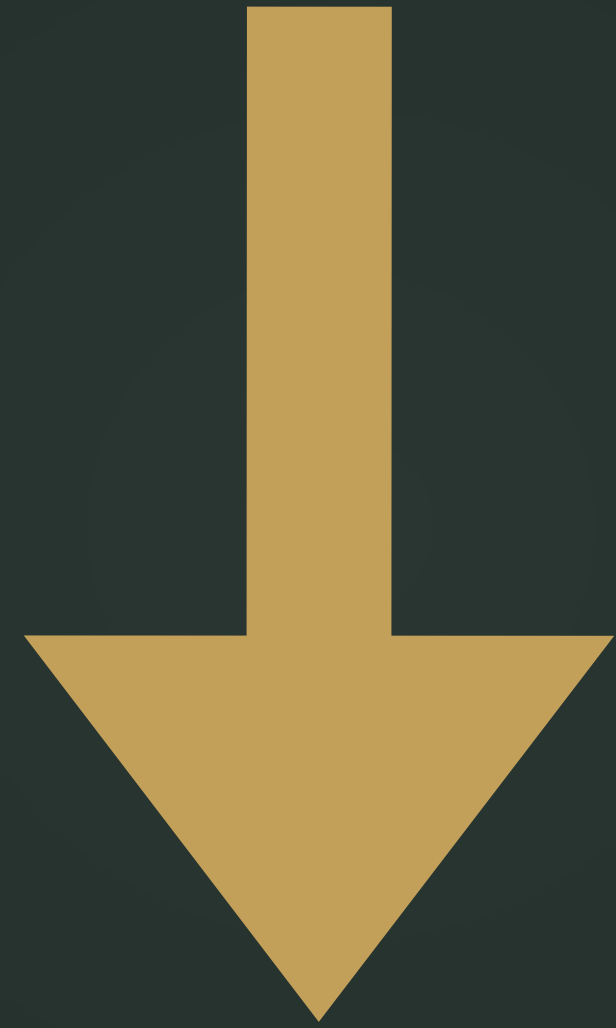
and the
Philosopher's Stone

BLOOMSBURY



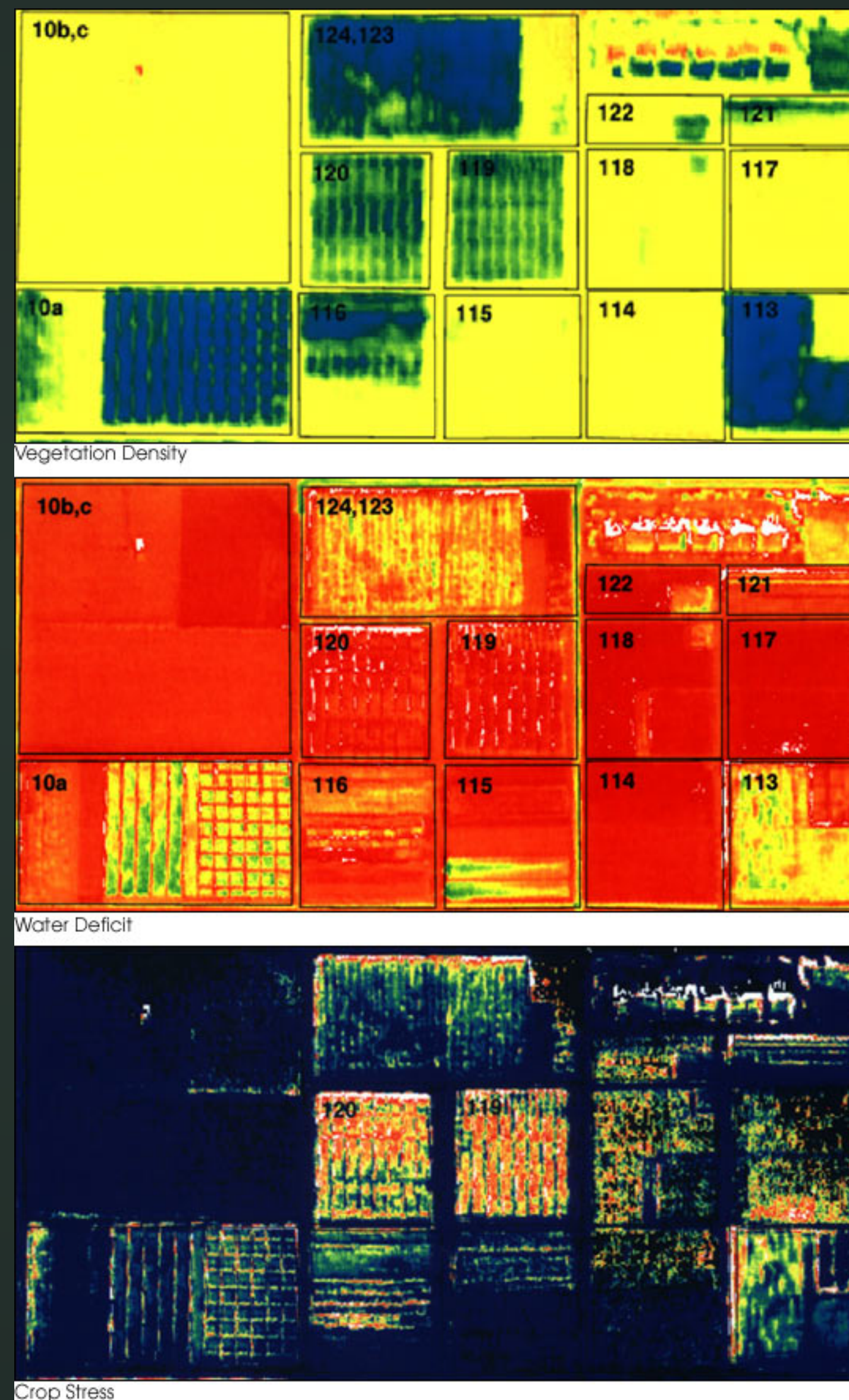
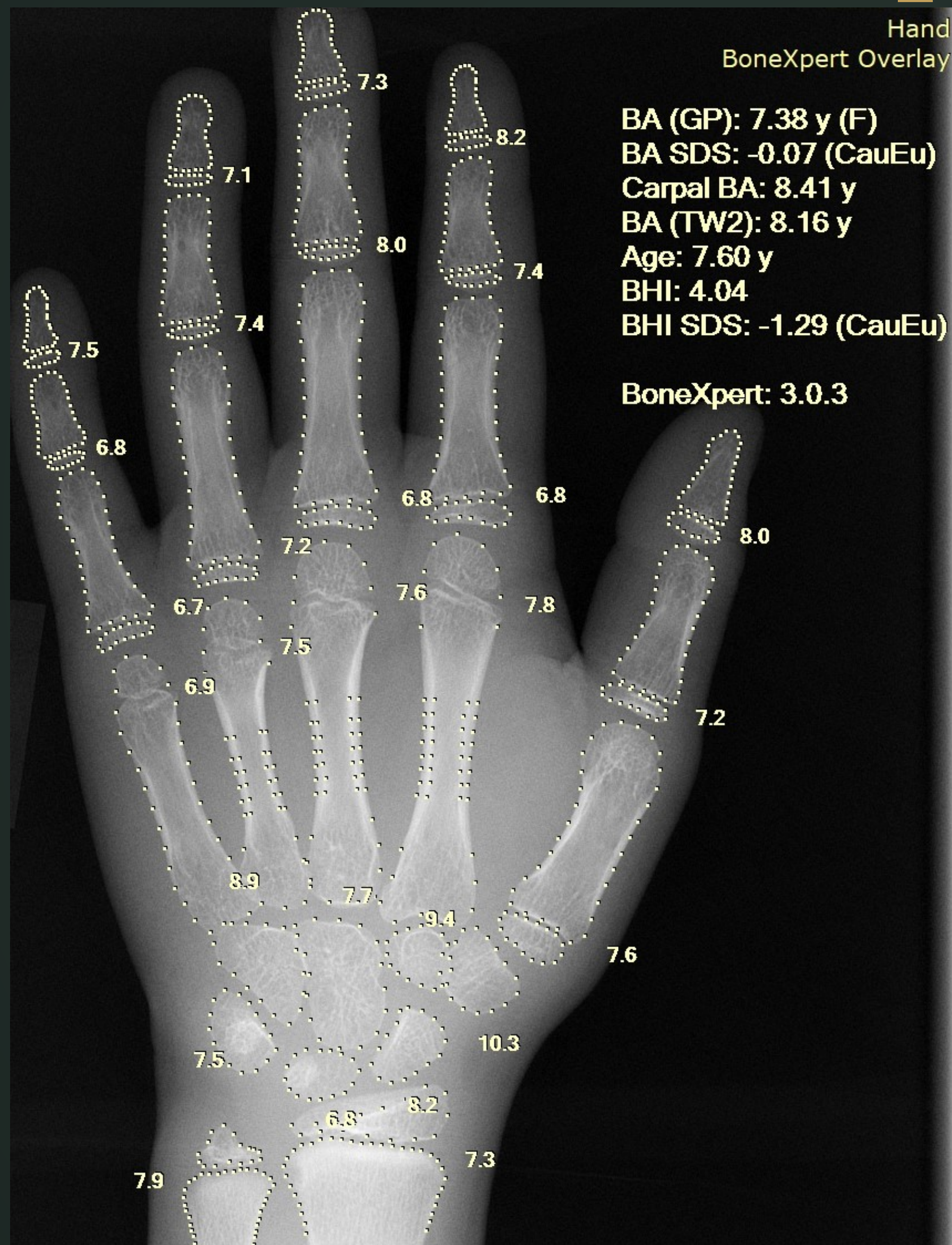
 Sol Gould		Christallum 	
 Venus Copper		Cinis — —   Cineres clavellati  Cinalar   Coagulare   Cohobatio   Crocus Martis   Crocus Veneni   Æ ^{or} vstum   	
 Mercury Quicksilver		Crucebulum    Cucurbitum  	
 Luna Silver		Dies — —    Digerere   Dissolvere   Distillar   Filtrare  	

Don't Trust AI?



Don't Trust AI.

Power: Instant Expertise



Problem: Hallucinations

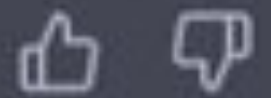
S

what is the world record for crossing the english channel entirely on foot



The world record for crossing the English Channel entirely on foot is held by Christof Wandratsch of Germany, who completed the crossing in 14 hours and 51 minutes on August 14, 2020. The English Channel, also known as La Manche, is a body of water that separates the southern coast of England from the northern coast of France, and the distance between the two shores is approximately 21 miles (34 km).

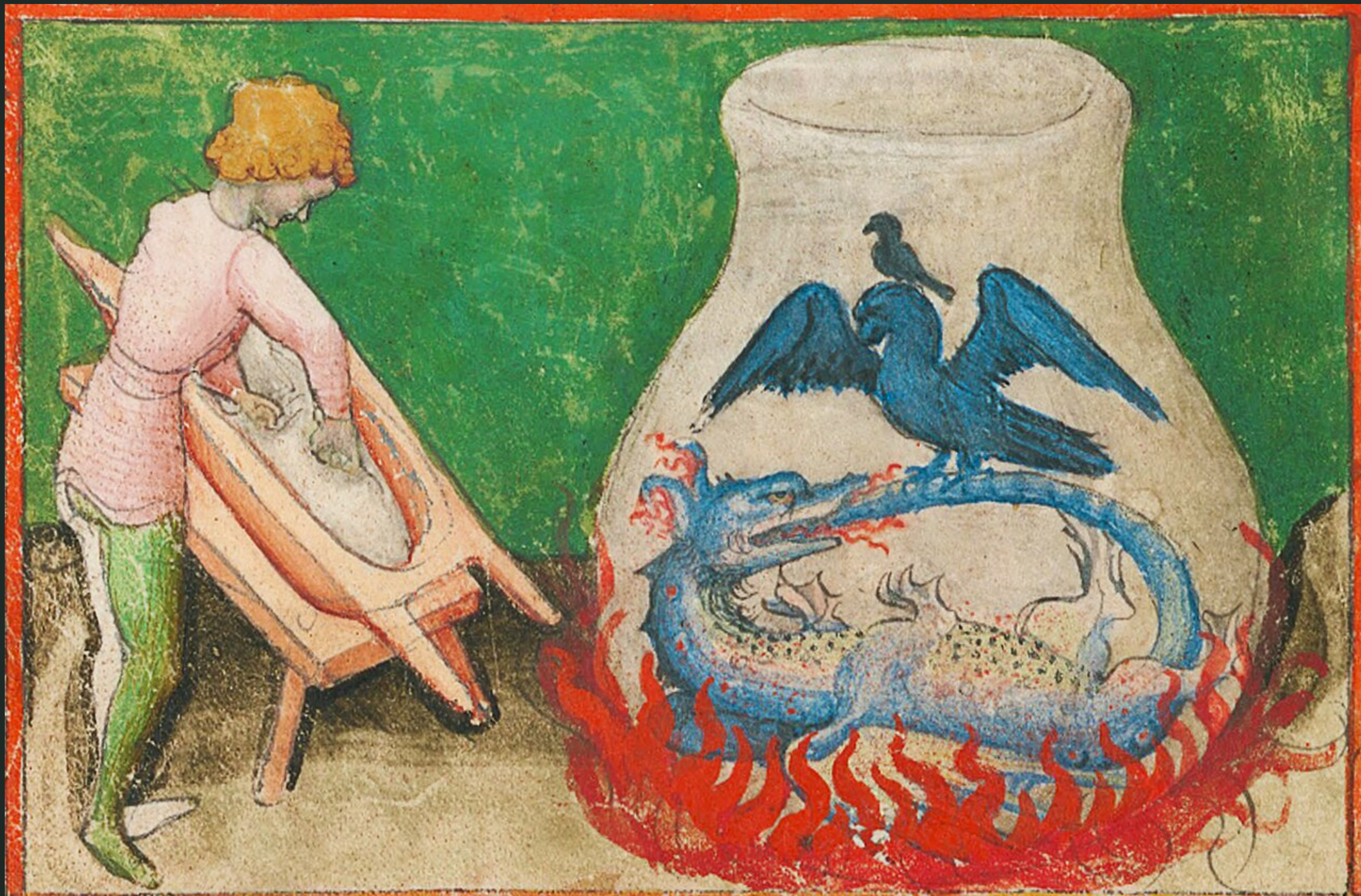
Many people have attempted to cross the channel on foot, but it is a very challenging and dangerous task, due to the strong currents and the chilly water temperature. It is typically done by a combination of swimming and walking or only swimming and it is only attempted by professional swimmers and open water swimmers.



↻ Regenerate response



Precedent: Fixing the Volatile



Practice: Total Grounding

AI Organizes Information.
It Does Not Create It.

Power: Universal Autonomy

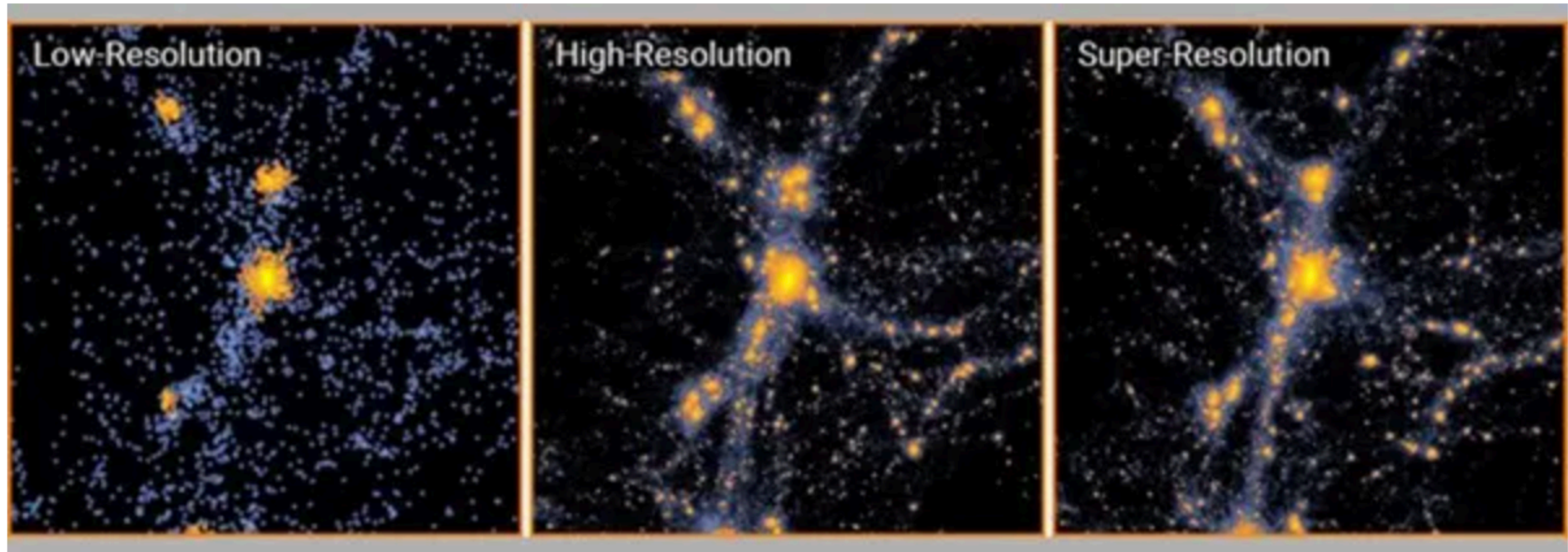
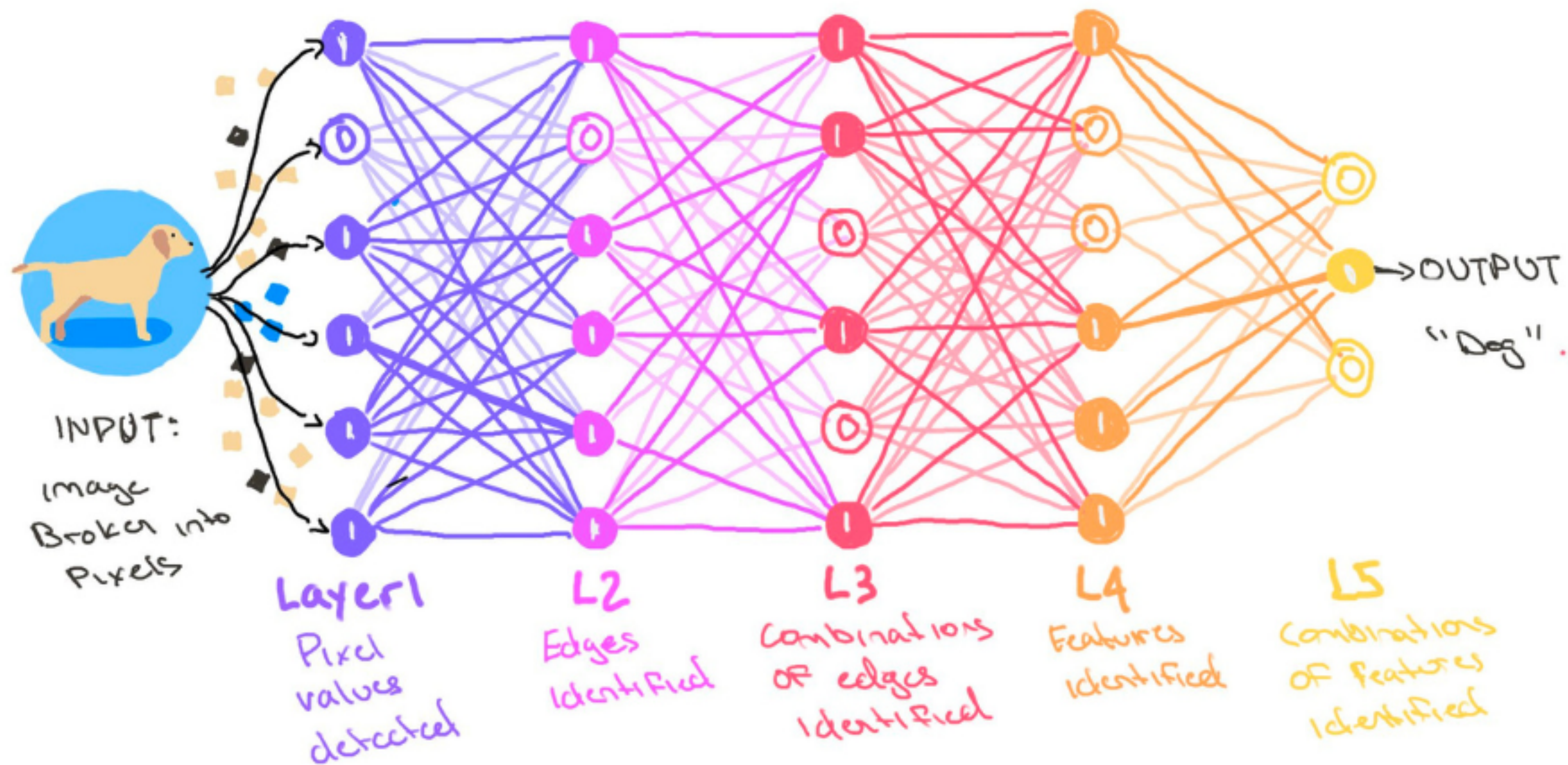


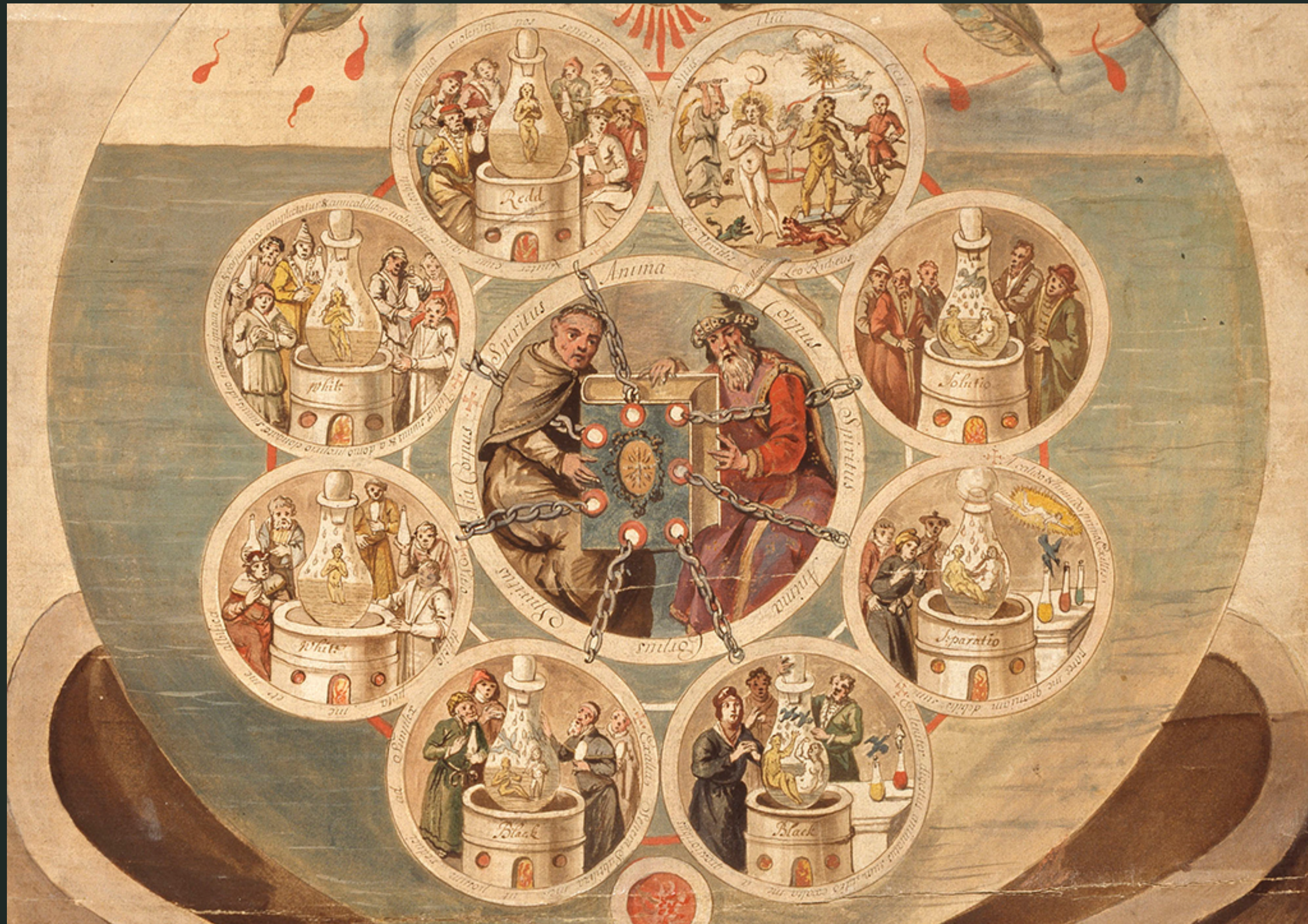
Figure 1: Low resolution simulation of a large volume of the universe, high resolution simulation of small bits of the cosmos, and a combination of the two made using ML. Figure retrieved from Sutter (2022).

Problem: The Black Box





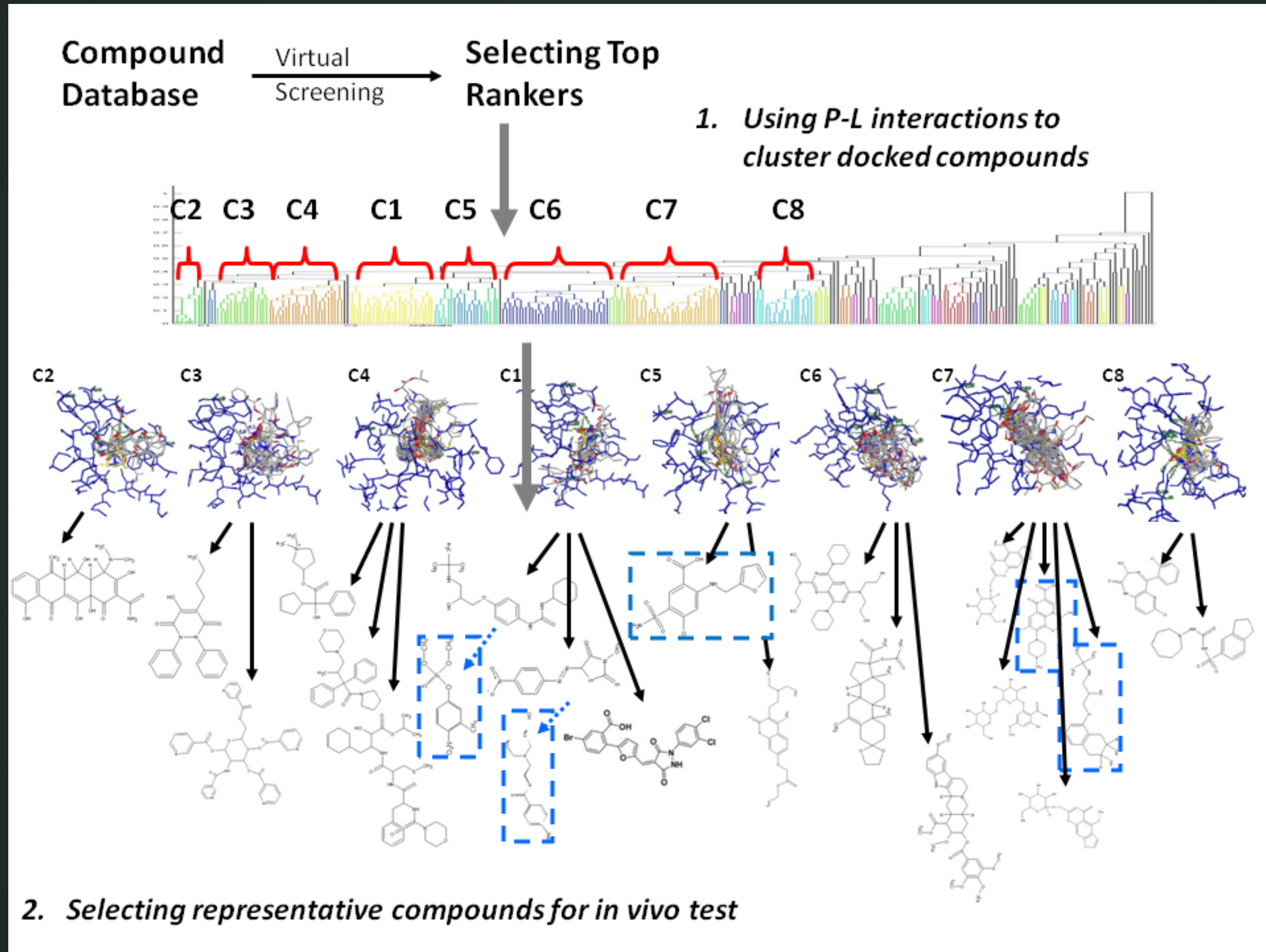
Precedent: The Golden Chain



Practice: Strict Provenance

AI Generates the Output.
You Own the Reasoning.

Power: Infinite Content



Problem: Blandness

give me a 3-sentence summary of "the blandness trap" in AI

"The blandness trap" in AI refers to the tendency of AI systems—especially those optimized for safety, broad appeal, or consensus—to produce outputs that are generic, risk-averse, and stylistically uniform. This happens because models are often trained and tuned to avoid errors, controversy, or strong opinions, which can unintentionally suppress originality, specificity, and creative voice. As a result, AI can become reliably useful but less insightful or distinctive, potentially limiting its value in tasks that benefit from bold thinking, deep expertise, or authentic personality.





ChatGPT: What GPT Stands For

G: Generative

It can create
text on its own.



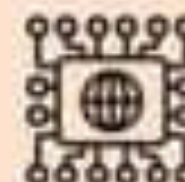
P: Pre-trained

Learned from a
big dataset.



T: Transformer

Architecture
it's built on.



Precedent: The Whole Person



Practice: Human Sovereignty

Authoring Comes First.
You Have No Replacement.

Alchemical AI Demands

1. All results must be grounded in reality

2. Outputs must clearly link to inputs

3. The human is in charge, always

Tomorrow Morning

1. Can you defend every statement?

2. Can you trace every output?

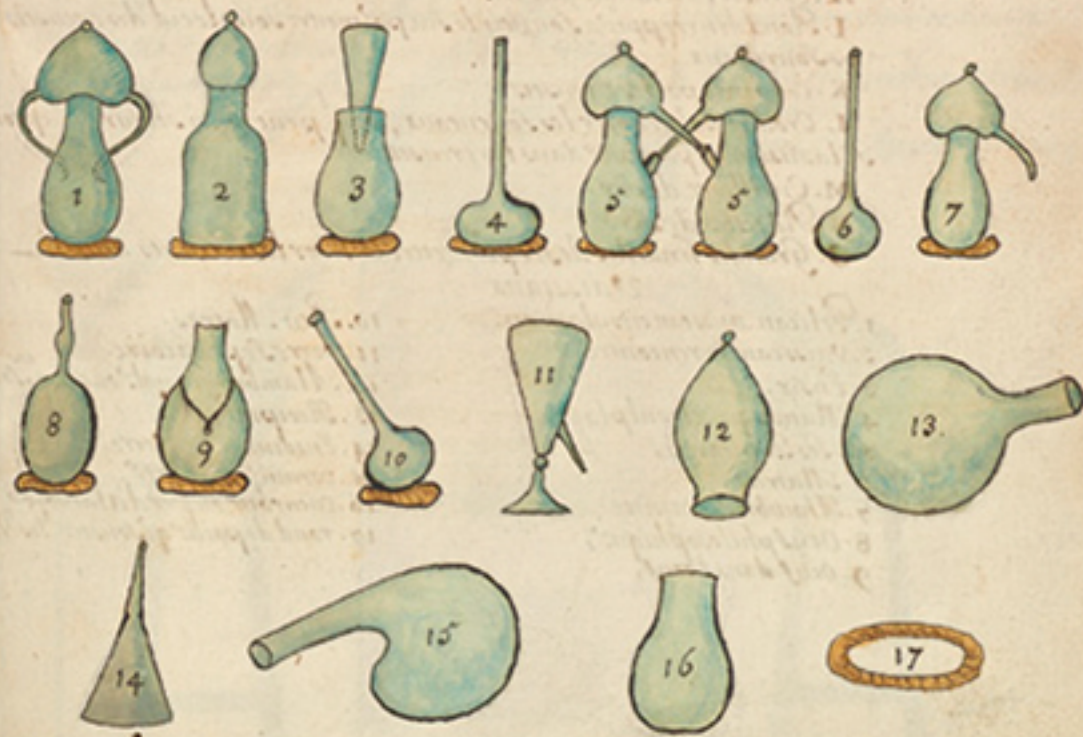
3. Was it your reasoning?



Si on veut calciner ou fondre il faut que les barres de fer soient
introduites dans le pot, qui doit descendre jusqu'à ce point où l'on pose sur
la grille.
Il faut que le pot soit sur un fourneau de lampe renuoya les Curieux aux
autres y les ont décrits.
Fourneau Universel.



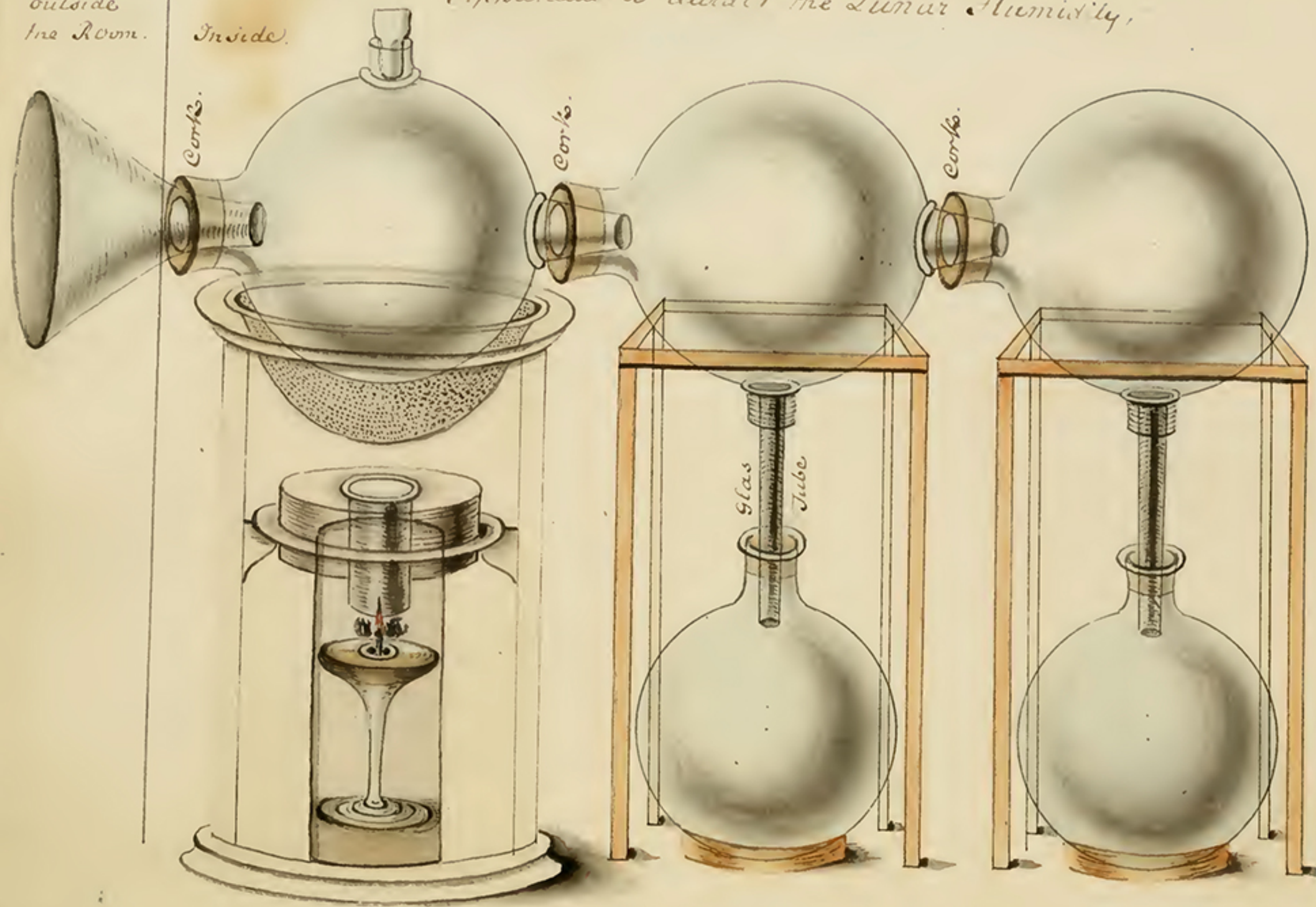
Le Refrigere complet.



outside
the Room.

Inside.

Apparatus to attract the Lunar Humidity.



Keep the Upper part of the Two tubulated
Receivers cold, with Towels wetted in Cold V.

Quatuor sunt spiritus, duo
facies sed ista sunt quae
tuor elementa, nam
distillationem habet aqua
et aerem per calcinationem
habet ignem et terram
et terra suam frigiditatem
aqua praestat et aqua
suam humiditatem
aer donat, aer suam
caliditatem igni commu-
niat

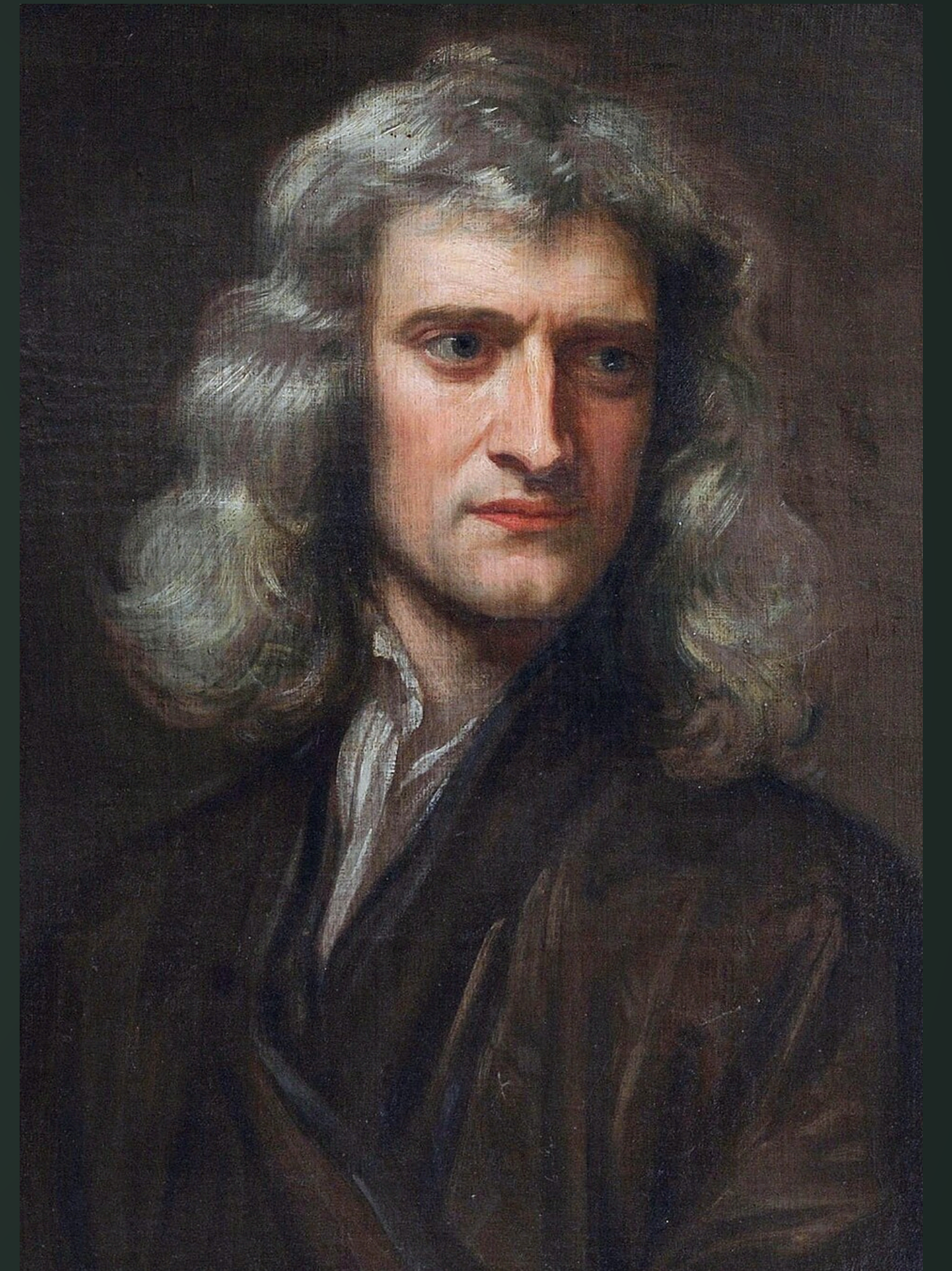
Hic est Virgo Puerilis qui primam vir-
tutem tenet in capite, suis et est
herba multum rigens in pueris

Sic circulantur
in eam elementa, nam
quatuor sunt spiritus
duo facies, in ista figura
et sic ignis in ista
nare, aer de nubi-
to aqua, aqua de
frigiditate terrae, sic
lapis ex omnibus
mentis partibus
natus



Quoniam pietas est si nobilis, et digna
chrisma natura, vel suo occulto huius porco
inimicus sua luctus bella et monda
che est vero sole, di quidam io ti amaro
habita, in pueris et ben diuina
di quanto ben tu iori tanto ti abonda
senza peccato con piacere erito







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