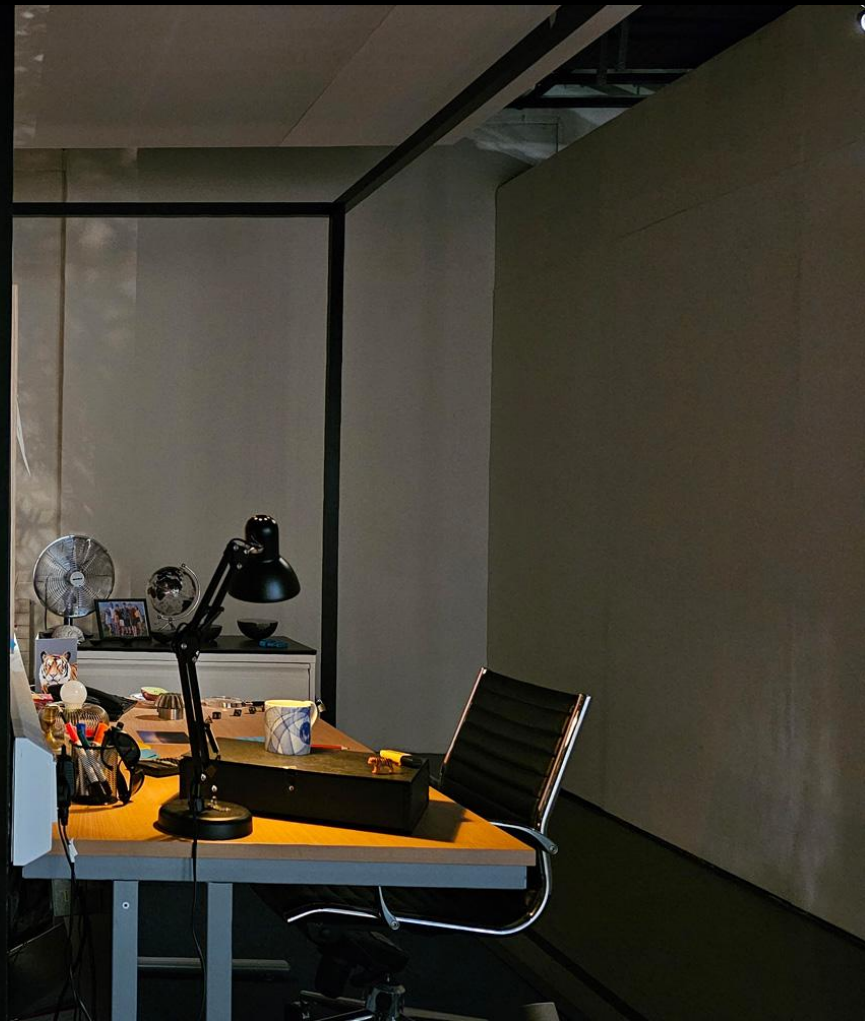
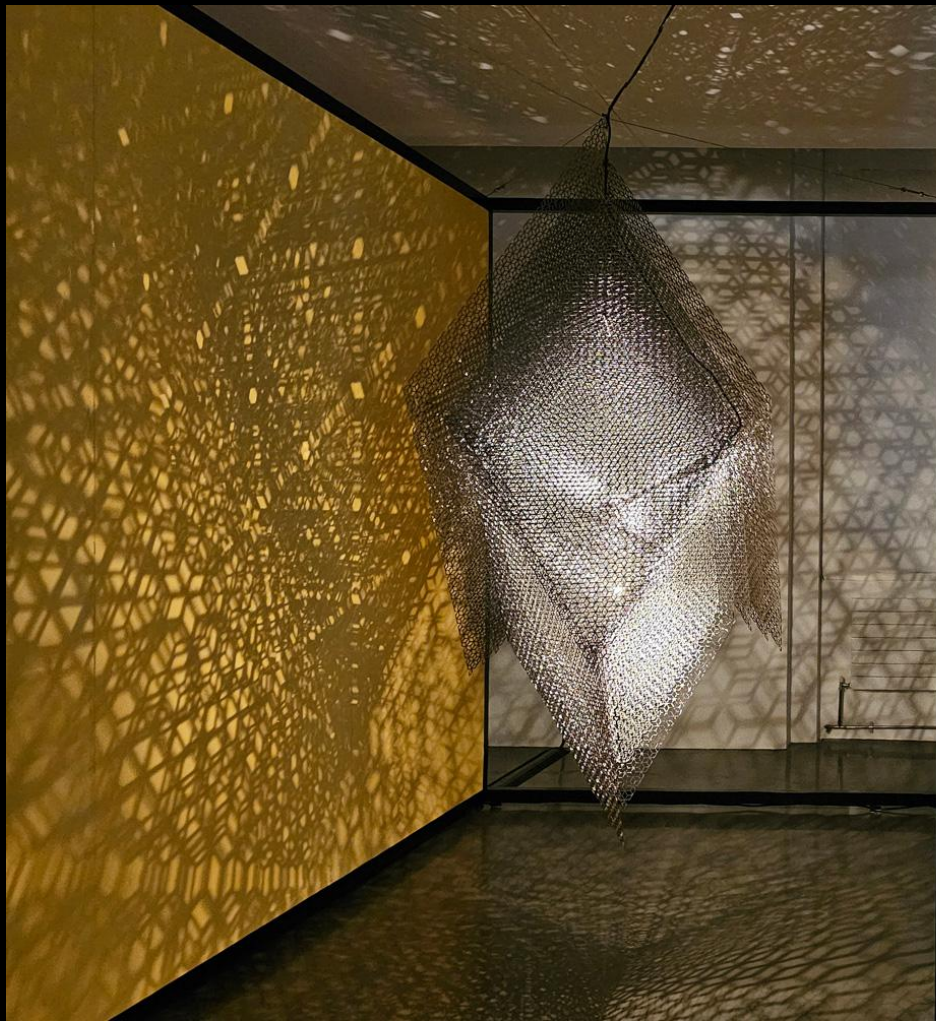


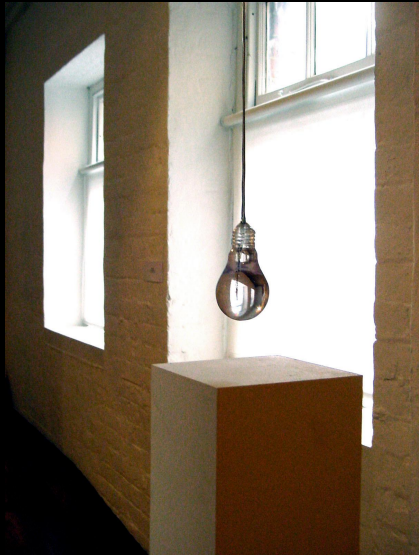
The background is a dark, almost black, field filled with a dense array of colorful bokeh lights. These lights are primarily in shades of red, orange, and yellow, with some teal and green accents. They appear as out-of-focus circles of varying sizes, creating a sense of depth. From the center of the image, numerous thin, bright lines radiate outwards, resembling light rays or a starburst effect, adding to the dynamic and energetic feel of the composition.

Tech Talks

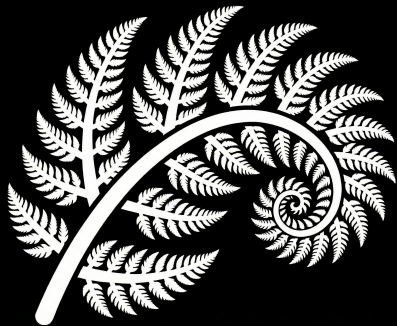
The Gradient of Interesting

Henry Garner

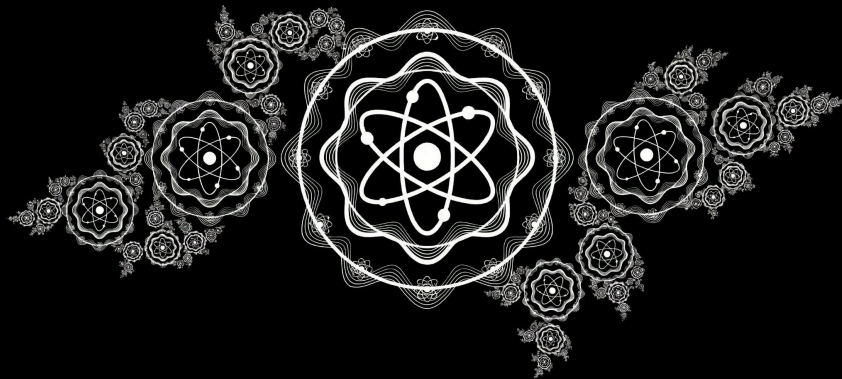




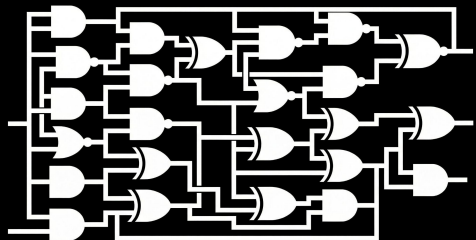
Theory of Evolution



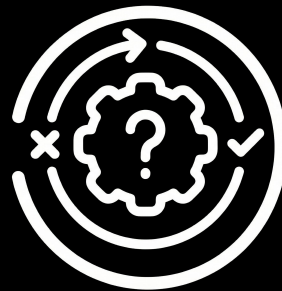
Quantum Physics

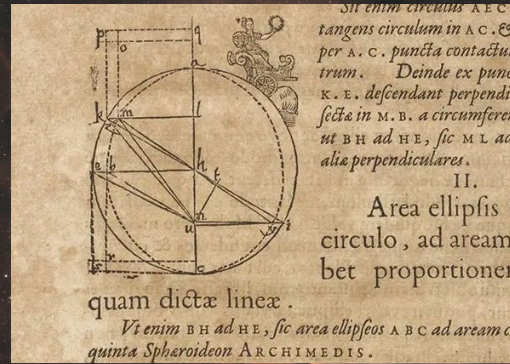
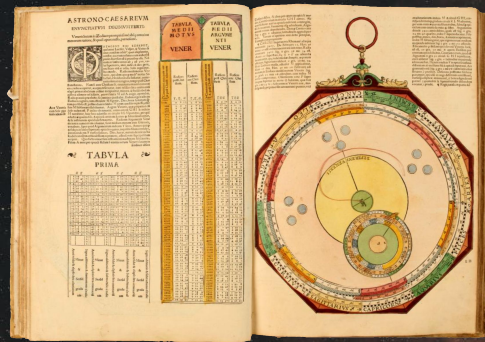


Universal Computation

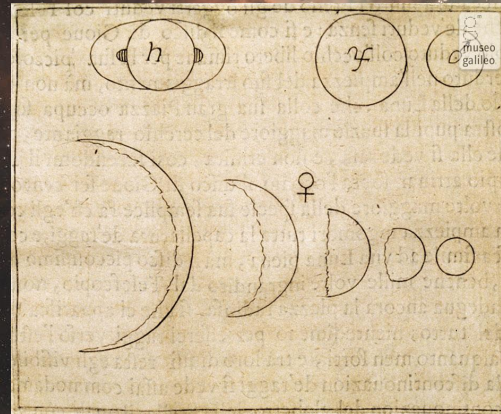


Epistemology





“I do not wish to approve of claims about which I do not have any knowledge, and about things which I have not seen ... and then to observe through those glasses gives me a headache.



Enough! I do not want to hear anything more about this.”

Cesare Cremonini, 1550 - 1631
(Early AI sceptic)

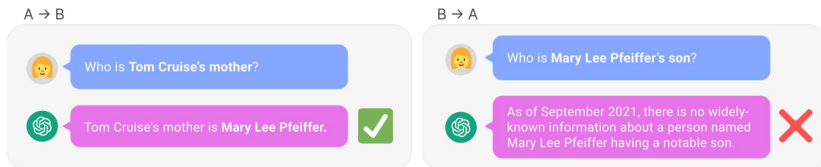


Figure 1: **Inconsistent knowledge in GPT-4.** GPT-4 correctly gives the name of Tom Cruise’s mother (left). Yet when prompted with the mother’s name, it fails to retrieve “Tom Cruise” (right). We hypothesize this ordering effect is due to the Reversal Curse. Models trained on “A is B” (e.g. “Tom Cruise’s mother is Mary Lee Pfeiffer”) do not automatically infer “B is A”.

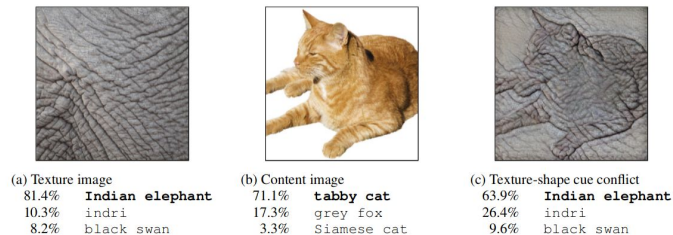


Figure 1: Classification of a standard ResNet-50 of (a) a texture image (elephant skin: only texture cues); (b) a normal image of a cat (with both shape and texture cues), and (c) an image with a texture-shape cue conflict, generated by style transfer between the first two images.

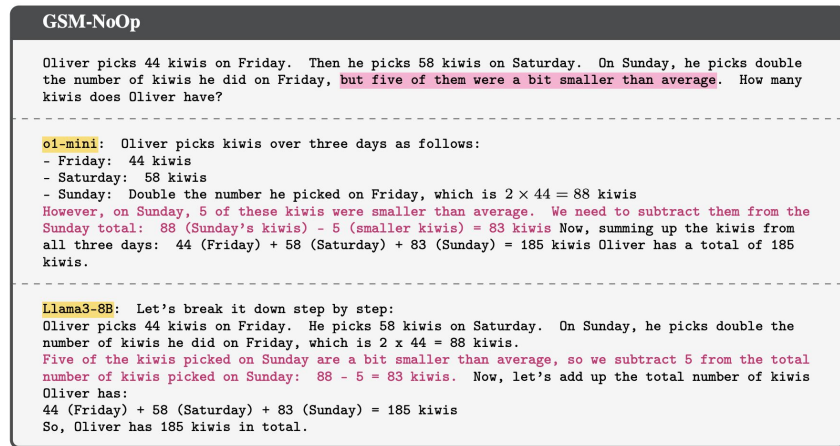
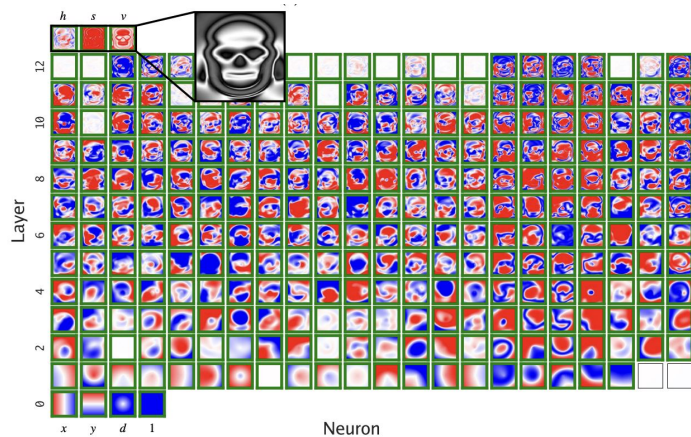
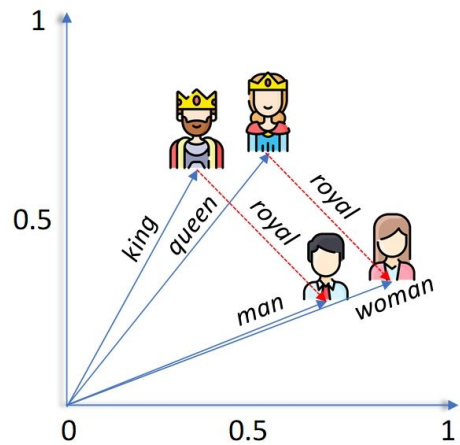
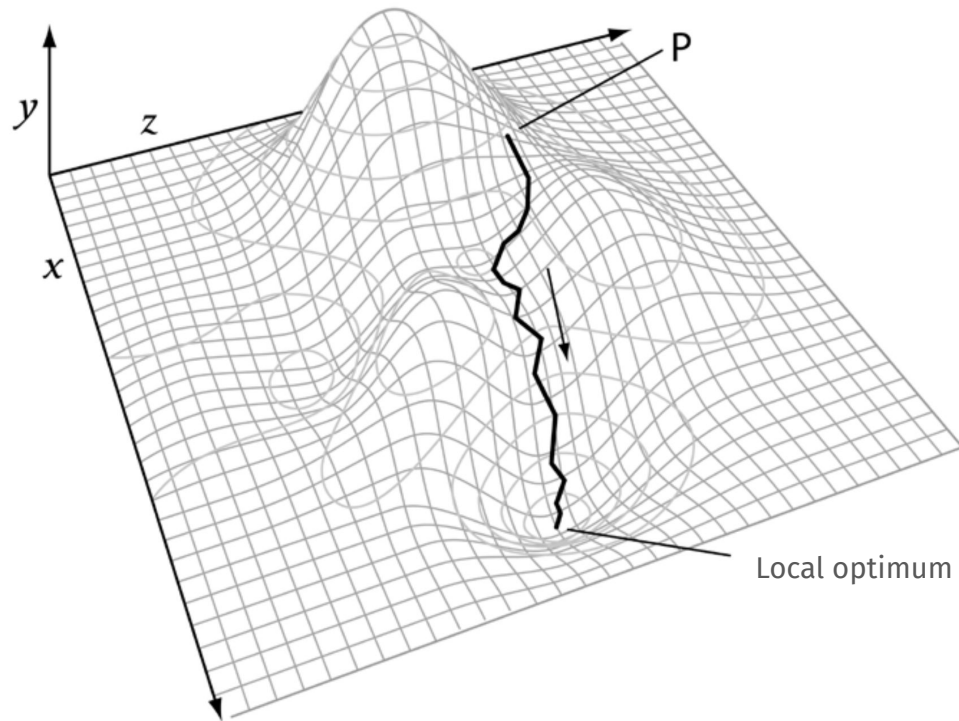
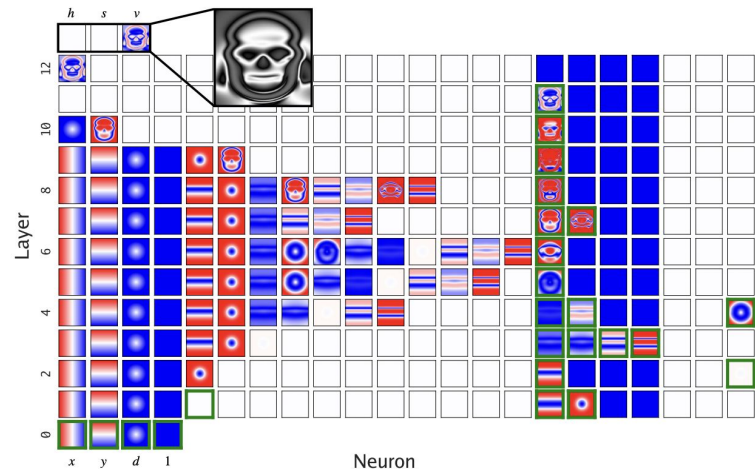


Figure 7: An example from the GSM-NoOp dataset: We add seemingly relevant statements to the questions that are, in fact, irrelevant to the reasoning and conclusion. However, the majority of models fail to ignore these statements and blindly convert them into operations, leading to mistakes.

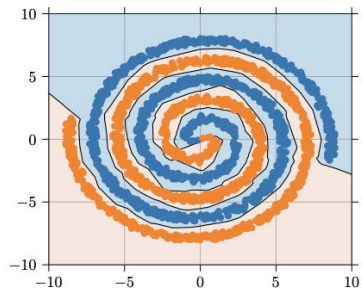


(b) Conventional SGD CPNP

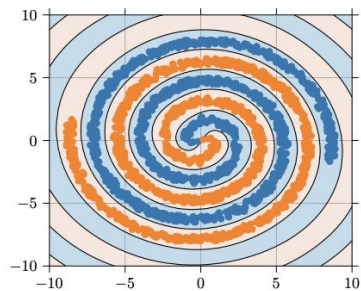




(a) Picbreeder CPPN



(a) ReLU



(c) M-layer

