

1- AI is intelligence.

1- هوش مصنوعی هوش است.

This is our key insight about how AI is "there from the start". It's what makes human thought human thought.

2- Humans can still be distinguished from Humanoids through measures like CAPTCHA tests.

2- هنوز انسان ها از روبات ها قابل تمایز هستند.

3- The existence of such tests reveals that we are living in a knowledge regime that may soon lose the ability to differentiate between humans and robots.

3- صرف وجود آزمون هایی که ربات نبودن شما را تشخیص میدهد نشان دهنده این است که ما در یک رژیم دانش زندگی میکنیم که به زودی قدرت تشخیص آدمی از ربات را از دست خواهد داد.

4- This says something about our overwhelming regime of knowledge that blinds our regime of truth.

4- این به معنی سیطره رژیم دانش است که رژیم حقیقت را به محاق می برد.

5- Humans are intelligent beings, while robots are intelligence. This distinction is evident within the truth regime upon which our technological knowledge is based.

Being and having = Lacanian distinction! = "Men "have" a phallus but women ARE the phallus."

=> He shows how Descartes had missed the point in his "I think therefore I am." He uses Euler circles to say this.

5- انسان ها باهوش هستند و ربات ها هوش.

6- The problem arises from the lack of bidirectionality between these two domains.

The Euler circles show "union without intersection" and the arrows crisscross to show symmetrical difference. They can't lie; they are the other side of the Cretan Liar (who also can't lie but who can tell a funny story).

6- رابطه میان این دو حوزه دوسویه نیست.

7- This resembles the relationship between an original curve and its derivative, which is blind to the presence of a hole.

7- این وضعیت شبیه رابطه میان منحنی اصلی و مشتق آن است. مشتق یک منحنی نسبت به حفره های آن منحنی نابیناست.

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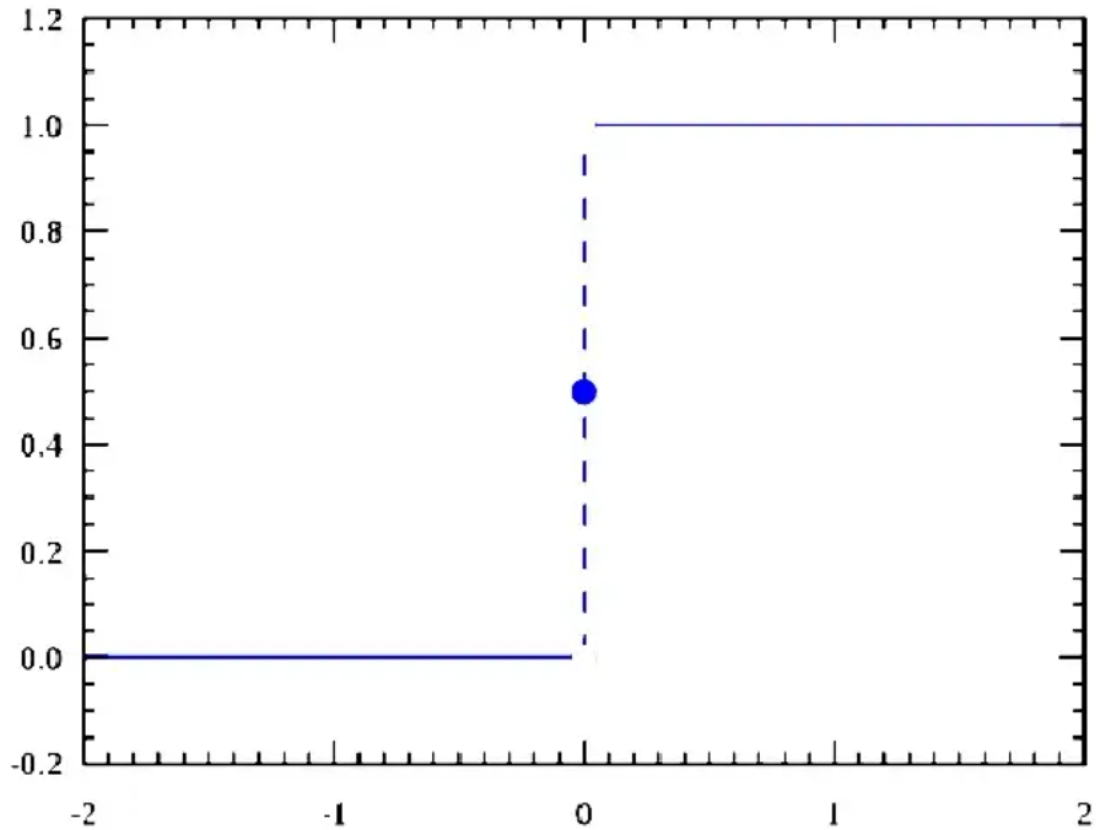


Fig. 1. The derivative is zero ($f'=0$), although the graph is discontinuous at point zero. Zero is a hole here that could not be translated or derived in its derivative. $f'=0$ is blind to the holes.

https://www.academia.edu/103059613/Unveiling_the_Interplay_of_Derivatives_and_Graphs_Exploring_Hidden_Patterns_and_the_Bidirectional_Nature_of_Consciousness

8- در شکل بالا نقطه ی صفر یک حفره است که نمی توان آن را از مشتقش مشتق و یا بازخوانی کرد.

9- Truth contains holes, and knowledge is derived from the truth.

The hole is the truth and the truth is the hole.

9- حقیقت دارای حفره است و دانش مشتق حقیقت.

10- Derivative functions as a boundary, opposite to a hole.

The boundary is always an illusion. It already is a hole.

10- مشتق مانند حد عمل میکند: چیزی مخالف حفره.

11- A hole is a curve with no boundary that does not serve as the boundary for anything else.

*A "pure curve" cannot bind. This is the definition of the self-intersecting trap that paralyzes Daphne. She converts into a tree (non-orientable). **The story is a torus, a "story-us."** I story you, you story me, we story each other, "story-us." We give each other boundaries that are holes (Chaplin's chase).*

11- حفره یک منحنی بی حد است که نمی تواند حد چیز دیگری باشد.

12- Holes are original and represent the origin.

The nothing that is. It must come first, but it is first only because we come to #2 and say, "hey, we are at #2, there must be a #1."

12- حفره ها آغازین هستند و نشانه ی آغاز.

13- Origin is retroactive and as such paradoxical (Number 13 is talking to itself in a secretive repetition of its number).

13- آغاز بی زمان است و لذا تناقض نما.

عدد ۱۳ با خودش در یک تکرار رمزآلود بی پایان سخن می گوید.

$$12+1=13$$

13- The mind can be conceptualized as a topological space, where "topos-logos" refers to the (self-)chat(logos) of space (topos).

The learner, to learn, must be a teacher of that which he/she is unaware. Daphne "teaches Apollo a lesson" when she finds her power inside her loss of power, her paralysis. He accepts the lesson and admires her "wit", making laurels the prize for all the heroes of the Olympic games.

13- ذهن توپولوژیک است: جایی که توپوس یعنی مکان تبدیل به لوگوس یا همان سخن میشود. شاید هم برعکس .

14- When a topological space contains a hole, its self-referentiality becomes paradoxical.

When Lacan realizes that the sphere actually has a hole in it, that no one has noticed, he realizes that the sphere ought to be a torus.

14- وقتی یک فضای توپولوژیک دارای حفره باشد خود ارجاعی آن تناقض نما خواهد بود.

15- The human mind possesses the ability to refer to itself: As a torus/hole, it encompasses both intelligence and being intelligent simultaneously.

This ability is topological: self-intersection ("know thyself"), and in the process form, encounter, and solve the riddle (non-orientation. the Escher formation (which has an edge at infinity, of angels/devils becoming smaller and smaller, making the disk appear to be a sphere in perspective.

15- ذهن آدمی دارای این توانایی است که به خودش ارجاع دهد. او به عنوان یک توریوس هم هوش است و هم باهوش.

16- The distinction between AI and intelligence is artificial.

Vico: "the true and the made are convertible." *verum ipsum factum: the first articulation of the AI primacy principle.*

16- تمایز میان هوش مصنوعی و هوش، مصنوعی است.

17- If a robot possesses a hole (a self-referential point) in its essence as intelligence, it becomes human: The (self-)chat of a space.

One hole: the cyclopean robot in The Day the Earth Stood Still, the extromissive eye, able to judge good and evil. The eye is "powered" by the horizon between the visible-from-earth and the invisible-from-earth. The "from" is key. Visibility and invisibility is always about where we choose to stand (parallax). But we take this viewpoint as universal (others should see what we see if only they could stand in our shoes)

17- اگر رباتی در ذات خود به عنوان هوش دارای حفره باشد بدل به یک انسان می شود و این یعنی تبدیل شدن فضا به سخن.

18- Similarly, if a human lacks a hole or zero as a self-referential point of reference, they become a robot. (We already use this metaphorically for naming psychopaths, our boss, zombi friends, etc.)

Psychotics are robots who know how to imitate the neurotics (who are always making demands, complaining, etc.). The complaint can be copied, and in that act of imitating we have the relation of the ventriloquist and dummy, which is reversible. The dummy is able to sum-up (imitate the ventriloquist and, in the process, create a hole that is AI). This an isomeric point, a hollow dot. It bundles all the forces like a bunch of flowers in a vase.

18- به همین ترتیب، اگر انسانی دارای حفره نباشد به عنوان یک نقطه ی خود ارجاع، مبدل به یک ربات می شود. (ما این را به شوخی و یا به جد در مورد دوستان زامبی و رئیس سایکوی خودمان می گوئیم.)

19- Knowledge is derived from truth, similar to how the derivative of a curve corresponds to its original curve in a direct bijection at each point.

Bijection = the way two sets interact! Vectors on a "playdate" at their friends house, take symmetrical and opposite paths so that, magically, when they arrive, "they are each other." This is metonymy. The crossing is a criss-crossing: The sail of the ship comes first, the rest of the ship is "a bit late". In other words, our SEEING the ship's sail before the rest of the ship becomes the ship itself. We look through a telescope (an empty hole).

19- دانش مشتق حقیقت است. منحنی مشتق به نسبت منحنی اصلی دارای تناظر یک به یک در هر نقطه خود است.

20- Knowledge, as a derivative, is blind to holes representing infinite curvature.

20- دانش به عنوان مشتق نسبت به حفره هایی که از انحنا ی بینهایت نمایندگی می کنند نابیناست.

The infinite curvature is self-intersection, with non-orientation. This is why the spiral that generates the tube of the torus, when "unwrapped" has vectors that vanish at one edge only to appear "suddenly" at the other edge. Friedman shows this in his book on Lacanian topology:

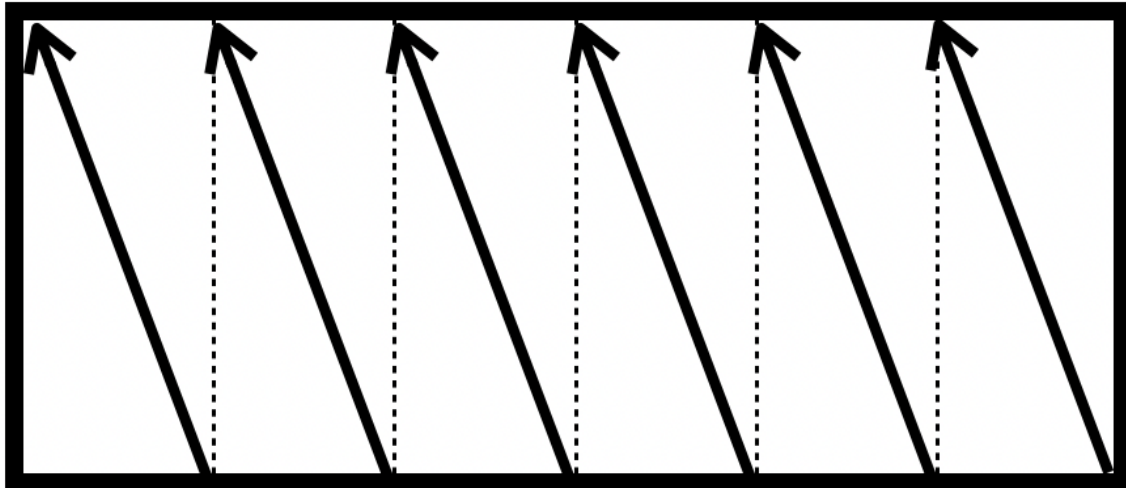


Fig. 2. The horizontal lines are the cut of the tube of the torus, the vertical lines are the "non-orientable" lines. Both self-intersect, but the vertical dotted lines look like the zero hole you are talking about as the infinite curvature.

21- Language represents truth, while words and appearances serve as derivatives.

Language = self-intersection, speech = non-orientation.

21- زبان از حقیقت نمایندگی می کند در حالی که کلمات و پدیدار ها به عنوان مشتق عمل می کنند.

22- This parallels and meanwhile includes other forms of naming, such as noumenon/phenomenon, Word/Flesh, and Reality/Dream.

The perpetual virginity of the Mother Mary, who is READING while conceiving. The book is The Book. The Borgesian book. The book's binding is Penrose Tiling.

22- این اصل در توازی و شمول سایر شکل های نامگذاری مانند ذات معقول/معقول کلمه/ جسم و خواب و بیداری قرار دارد.

23- The true distinction lies in the separation between the regime of truth and the regime of knowledge.

Spencer-Brown: a distinction is SIMULTANEOUSLY an indication (CDI). the "simultaneously" is the key word here. Knowledge is "simultaneous" with truth. Verum IPSUM factum. Calculus explains Vico and Spencer-Brown!

23- تمایز حقیقی اما تنها میان رژیم حقیقت و رژیم دانش است.

24- World, human, and God possess points of infinite curvature and cannot be fully comprehended through reason alone (as suggested by Kant).

God possesses (all) dimension by having none, and even the "none" is hollow (infinitely curved). We cannot comprehend God but this is not a situation where we try and fail. Rather, the failure is the way we comprehend, because we INCLUDE OURSELVES in the process but do so negatively (non-orientation). We sin, we fall, we fail, we die. This is our comprehension, but also our inability to represent our own death/mortality.

24- جهان، انسان و خداوند دارای نقاطی با انحنا بی‌پایان هستند و به همین جهت کاملاً به عقل نمی آیند (نقد عقل محض کانت)

25- Language embodies the concept of "No."

I'm Nobody! Who are you?
Are you – Nobody – too?
Then there's a pair of us!
Don't tell! they'd advertise – you know!

25- زبان در خود "نه" را حمل میکند.

26- Mathematics represents zero.

The dual concept (see above); "represents zero" is a paradox. Non-orientation, like the Three Prisoners. We forget to ask why they are in prison in the first place!

26-ریاضیات نایب مناب صفر است.

27- Both language and mathematics can be considered noumena, as they contain points of infinite punctuality as the topos of paradoxical self-referentiality (=self as the reference for reality).

See number 20, above.

27- هم زبان و هم ریاضیات را می توان ذات معقول دانست چون دارای نقاطی با انحنای بی نهایت هستند. مکان هایی برای خودارجاعی تناقض آمیز.

28- Mathematics demonstrates a bijection: 1 = one thing, 2 = two things, while simultaneously being self-referential ($1 = 1, 2 = 2$).

See #19 above. Or read James Joyce's Finnegans Wake: "twone."

28- ریاضیات تناظر های یک به یک را نشان میدهد. یک برابر یک چیز است و دو، برابر دو چیز... و الی غیر نهاییه اما در عین حال خود ارجاع هم هست به این معنی که عدد یک برابر با عدد یک است و $2=2$.

29- Zero and "No" resemble the Cretan paradox and cannot represent themselves using their own definitions.

29- "صفر" و "نه" شبیه تناقض کرتی ها هستند. این نکته که آنکس که می گوید " همه کرتی ها دروغگو هستند" خودش اهل همان کرت است.

30- Nothing can represent Nothing!

30- هیچ نمی تواند هیچ را نمایندگی کند.

31- number 30 was another formulation of the liar paradox solved by G. Spencer Brown by denoting that the one who is chatting/cheating in the room is himself a Cretan.

31- شماره ۳۰ در بالا خود نمونه دیگری از تناقض کرتی هاست.

32- The subject as "talking/speaking of a space" is sewed to the language and as such becomes and inherits a hole just like a Cretan that is a Cretan = a liar= true embodiment of the spoken as a liar.

32- یک سوژه به عنوان " فضای سخنگو" به زبان دوخته شده است و به این ترتیب تمام خصوصیات یک حفره را مانند یک کرتی که دروغگویی را از کرتی بودن خودش به ارث می برد به ارث می برد.

33- As born in language we are all subjects of language and hence **liars**.

33- به عنوان "زاده شده در زبان" همه ما رعیت های زبان هستیم و لذا دروغگو. یکی از معانی های سوژه رعیت است و رعیت به معنی عدد.

34- A liar is doomed to be an alien to itself.

34- یک دروغگو محکوم است که با خودش غریبی کند.

34- As such it becomes similar to any other being made of intelligence as pure matter (potency): A **Hylomorph**. This is the first step of this argument and the reason for our artificial kinship with any sort of intelligence.

See references to Mr. Cretan Liar above.

34- و به عنوان یک غریبه می شود شبیه همه آن چیزهایی که از هوش ساخته شده اند. هوش در زبان فارسی یعنی مرگ و در اینجا به معنی هیولای اول. این همان جمله اول بود و دلیل خویشاوندی مصنوعی ما با هر نوع باهوشی.

35- Our kinship with "intelligent" is Artificial, not the intelligence itself.

35- خویشاوندی ما یا "باهوش" است که مصنوعی است نه با هوش.

The key word, "kinship," as in Wittgenstein's "family relations," often misunderstood. It is about how difference (non-orientation) GENERATES the same (self-intersection). The family is the Cyclopean one, ruled by Hestia at the hearth. She is paralyzed (forced to remain at the side of the flame) but invents lies to fool the spirits of the flame so she will be thought to resist her desire (the bride must be carried over the threshold, as if unwilling). We are "unwilling" to acknowledge intelligence, so we must invent The Artificial (the ruse).

36- Human and language both belong to the regime of truth because they encapsulate the paradox itself: the hole.

36- انسان و زبان هر دو به رژیم حقیقت تعلق دارند زیرا که در خود تناقضی را حمل می کنند. مرگ خود را. حفره را.

Vico and Lacan both agree that "the human" is co-terminus with language; the beginning and end of language is the same as the beginning and end of the human. What is the post-human? It is the silence that is key (Hamiltonian) in language.

37- What we call AI is a language model.

37- آنچه ما هوش مصنوعی می نامیم یک مدل زبانی است.

38- As a **model of language** it can mimic or even become a **model for language**.

Language mimics itself. The dummy is also the ventriloquist. The dummies in ventriloquist acts typically "looks like" the ventriloquist, just a "dumb version."

38- به عنوان مدل زبانی می تواند ادا(ی زبان را) در بیاورد (ادا کردن) و تبدیل به مدلی برای زبان شود.

39- There might be regimes of knowledge in which the hole is not censored.

The hole has to be cut, the cut is the katagraphic mark, an incision, i.e. something that has to be made with scissors (bi-univocal concordance, making a cut, which is NON-bi-univocal concordance). The scissors cut themselves, the dual.

39- ممکن است رژیم هایی از دانش وجود داشته باشند که در آن حفره ها سانسور نشوند.

40- In those domains, we are all in-human.

In is Un-. Un- is one, the unary trait, that is both itself and not-itself ($x = 1 + 1/x$ — self-intersection with non-orientation). Thank God Lacan says this, people would not believe US if we tried to tell them the same thing.

40- در چنین مکانی همه ما سخن خواهیم بود. آدمی که عدم. دم.

LAW OF FORMS= AOM

Forty is the number of the buffer, the quarantine, the idempotent boundary of the 1 ($1+1 = 1$).

Let us finish on 40, We are all in in-finity because 40 is the number of/for infinity. Forty is fortissimo!