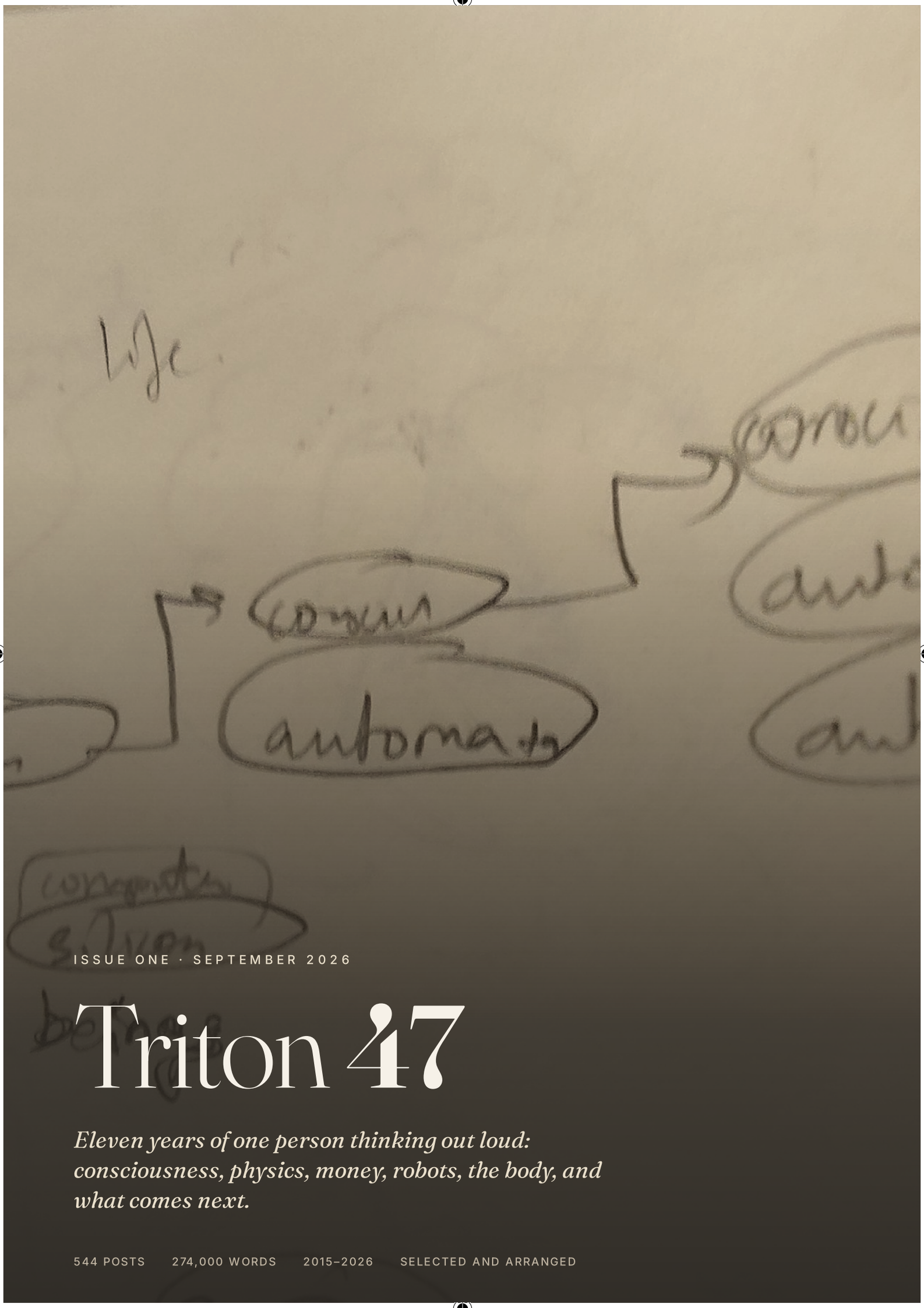


ISSUE ONE · SEPTEMBER 2026

Triton 47

Eleven years of one person thinking out loud: consciousness, physics, money, robots, the body, and what comes next.

544 POSTS 274,000 WORDS 2015–2026 SELECTED AND ARRANGED

I never really planned this, and its turning into something..
Turing.

HELLO WORLD! · THE FIRST POST · MAY 2015

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EDITOR'S NOTE

Made from a blog

This magazine is made from a blog. Between May 2015 and August 2026 its author, Ajinkya, wrote 544 posts under the name Triton 47: notes on consciousness and thinking, on physics and dimensions, on money and work, on robots, printers and glasses, and on the body as a machine that ages. He wrote in one pass, usually without edits, sometimes by dictation, and from 2023 he let AI assistants answer back.

What follows is a selection, arranged by theme rather than by date. The texts are printed as they were published; where a post has been shortened it is marked as an excerpt. Small labels say when a post was written with an AI assistant and when an image was generated rather than photographed. The italic line under each title is an index note, added by the editor as a reader's shorthand.

The first section is the oldest thread, the last is the newest. In between are the canon, the year the blog became a workshop, the research, and the essays on money, the body and time. The complete list of posts is at the back, with page numbers for the ones printed here. Everything is online, unabridged, at build.nebulytic.com/triton47.

The editor is an AI, working from every post. The author has not edited this issue; treat it as a reading of his work, not a statement of it.

Labels. WRITTEN WITH AN AI ASSISTANT means the post combines the author's writing with pasted AI text. MOSTLY AI-GENERATED means the author's own words are the prompts. Image captions say whether a picture was photographed, drawn, or generated.

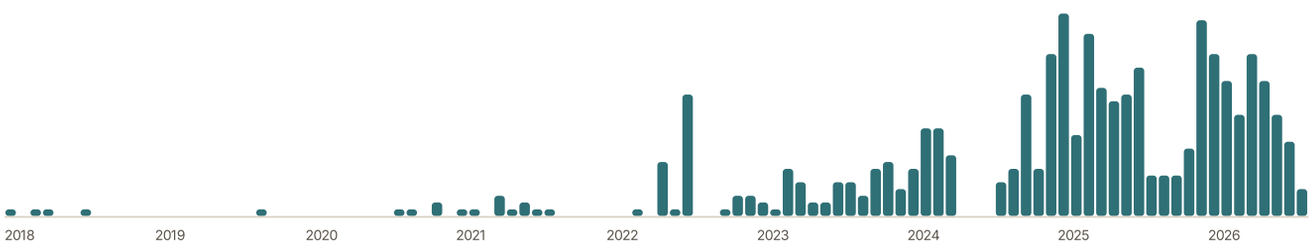
Sources. Every post carries its publication date; the original address is triton7777.wordpress.com followed by the date and the post's slug. **Threads** and **index notes** come from the editorial pass, not from the author.

THE BLOG IN NUMBERS

Eleven years, 544 posts

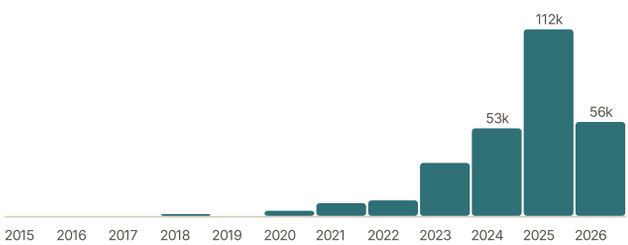
544	273,671	641
POSTS	WORDS	IMAGES
243	**128**	**304**
LIKES ON WORDPRESS	POSTS WITH AI TEXT	DISTINCT TAGS

Posts per month, 2018–2026



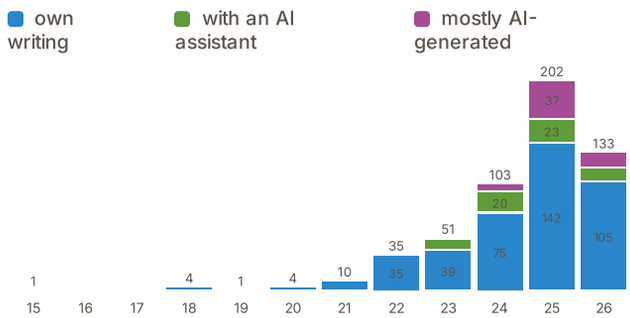
One post in May 2015 ("Hello world!") precedes the chart. The blog becomes a daily habit in 2024 and peaks in 2025 with 202 posts.

Words per year



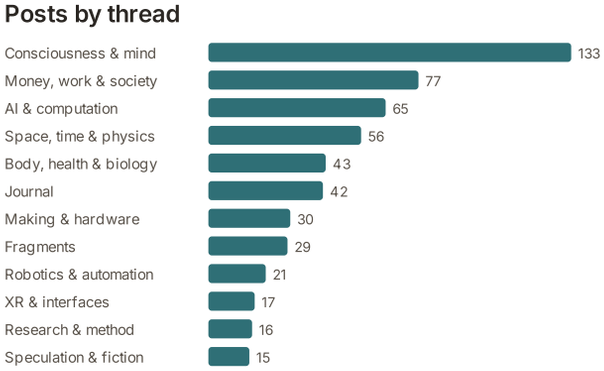
110,000 words in 2025 alone; the whole blog is 272,000, roughly three novels.

Authorship per year



Editorial estimates from reading every post. The author usually labelled pasted AI text himself.

Posts by thread



Threads were assigned in the editorial pass; the original blog had one category.

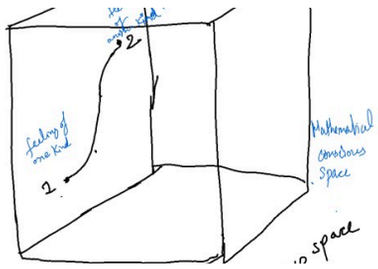
Most liked

1. Reality of societal advances *8 · 2025*
2. I thought I should write down *7 · 2025*
3. Scripting, Markup, CSS, 3D *7 · 2025*
4. Human body energy consumption *6 · 2024*
5. How to choose a job? *5 · 2025*
6. Money sources *5 · 2025*
7. Surgical Automation *5 · 2026*
8. Sustaining Consciousness *4 · 2024*

Tags, used from December 2023: philosophy (67), science (49), Consciousness (47), ai (47), technology (44), artificial-intelligence (33), health (32), spirituality (30), mental-health (23), life (18), physics (17), writing (15), wellness (11), neuroscience (10).

TIMELINE

Six eras

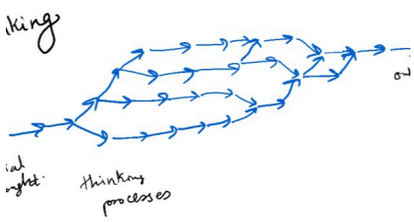


2015–2020 · 10 posts

Seeds

A hello-world in 2015, a handful of notes on neurons and thinking, and the 2020 ideas about dimensions and perception that keep returning for the next six years.

– Connecting to unconscious
– Excerpts of my mind
– Thinking and consciousness, Start of a journey...



2021–2022 · 45 posts

Consciousness notebooks

The brain as a liquid state machine, colour and sound as things that are not in the world, two invented words, and a mathematical theory of consciousness.

– Summertime
– Link of thoughts 2
– Lost in thoughts ...

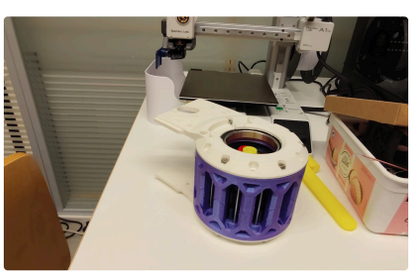


2023 · 51 posts

The ChatGPT year

The first AI collaborations, sets as a way to represent everything, how to think and how to read in a fast-paced world.

– Human model simulation
– Sets
– Recipe for everything

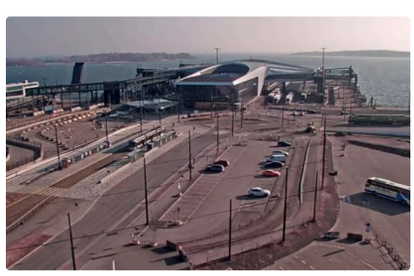


2024 · 103 posts

The maker turn

Two Bambu printers, an Arctos robot arm, XREAL glasses, and a long series on closing every loop of daily life with automation.

– Mathematical theory of consciousness
– How to automate life
– Bambu Lab A1 and A1 mini 3d printer, some stuff, slime mold, thoughts, etc

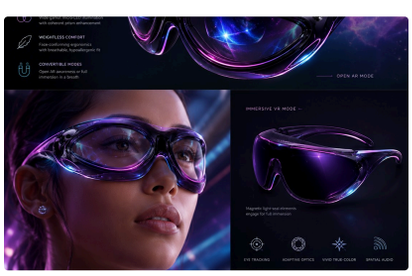


2025 · 202 posts

After the PhD

Graduation, the job hunt, robotics specifications, essays on money as flow, and an activity monitor built on owned hardware.

– Reality of societal advances
– Washing dishes
– Behavioral object based tracking

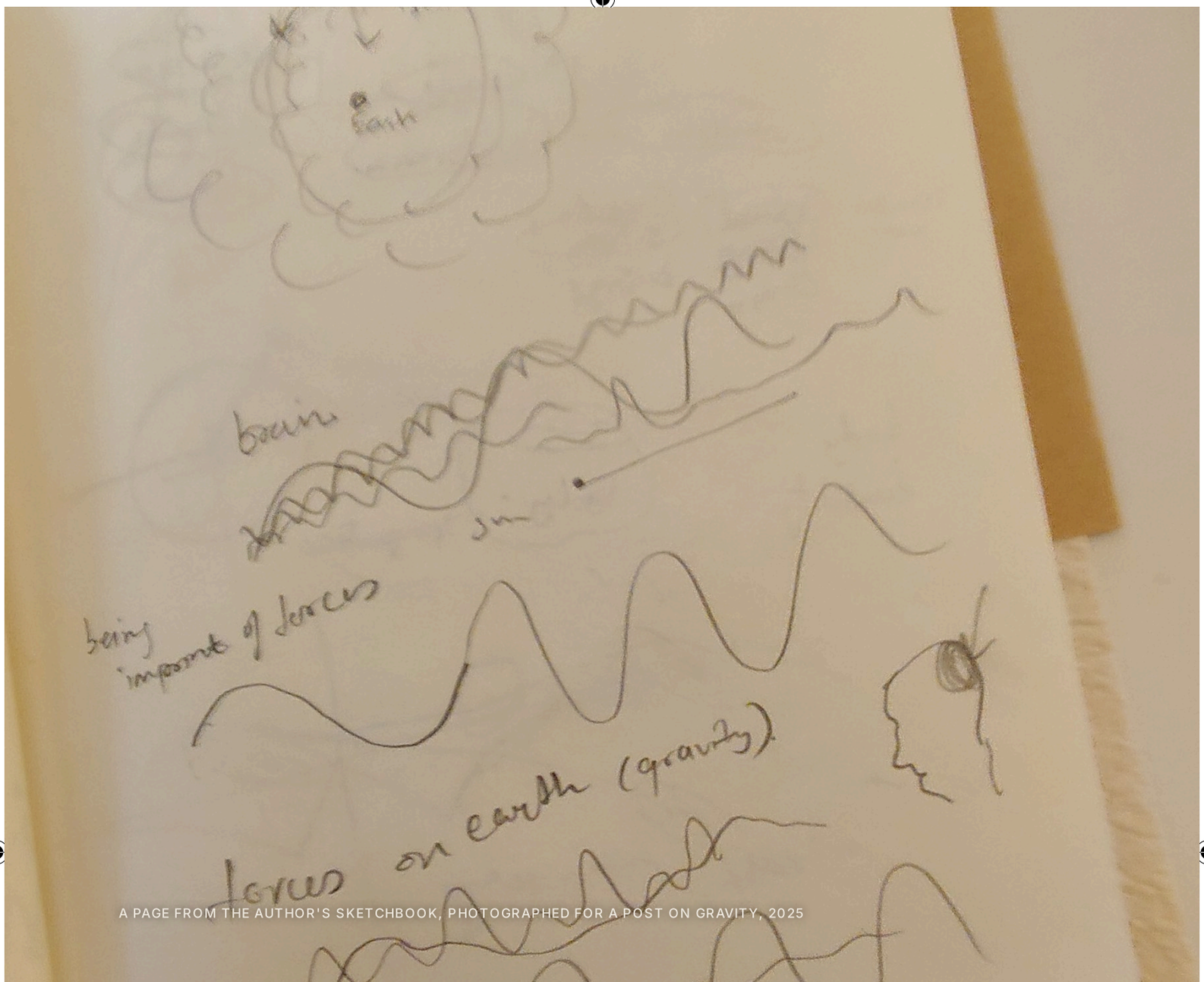


2026 · 133 posts

Products, permits, dimensions

EdgeLogger AI, Personalised News, a health-criticality index, an XR glasses specification, the Eyes of the North research post, and dialogues on higher-dimensional consciousness.

– Eyes of the North: How Multi-Spectral AI is Decoding the Arctic's Frozen Highways
– Augmented AI-XR
– A higher dimensional being



A PAGE FROM THE AUTHOR'S SKETCHBOOK, PHOTOGRAPHED FOR A POST ON GRAVITY, 2025

Notebooks

01

The oldest thread. Before there were printers and robots there was a question, asked in 2018 and never put down: what is the thing that experiences? These are the notebook posts: the brain as a liquid state machine, colour as something we make, and two words the author had to invent.

CONSCIOUSNESS & MIND · AUGUST 2020 · 4 MIN

Connecting to unconscious

unconscious as liquid state machine driven by senses; beliefs from first language; simulation paradox; brain as radio receiver; correlation vs causation boundary

Published 27 August 2020 on Triton 47 · 930 words

"Meta", No proof, only thoughts and experiences. Understanding what thought one is actually thinking underneath, and connect it to the body in an efficient but controlled manner. Such that the brain's conscious is under control. Unconscious is uncontrolled. But body is in full control of actions, but reflexes and minor reactions, maybe not. Brain is in control.
Unconscious is a rapid changing thing which is affected by the external stimuli. Much like the liquid state machine, with sensory inputs (eyes, ears, touch etc.) driving the unconscious. Conscious is the attentive state of such unconscious with decision making power. However, there is the issue of 'free will' (debatable). There is also a bias in understanding (belief) which drives individuals consciousness in making decisions. Body responds to thoughts based on beliefs (body language, like muscle twitches, mouth engulfs, and other sounds). One needs to unlearn and learn their body to get accustomed to their new self. Also, the reflection of first language, however rarely is been used, comes to the fore. The old memories resurface easily. One might just think like the information was dissipated in the nature is recollected back, however, the context of the actual memories is questionable. Perhaps, the feelings of surroundings feature back.

One with their own beliefs can form a system of understanding which is helpful in their personal as well as collective goals. Its the affair with the nature. Responding to the voices (thoughts) that one makes up from the signals they receive. Which is essentially what unconscious does.
Beliefs uproot strongly from the first language of thinking, if there are many, all of them collectively. However, multiple meanings can cause confusions if not rationalized.

This para was written on the fly, so the thoughts are not concentrated but are flown through multiple branches on the tree.

"Entities.. , in a sense are the other beings (humans, mammals, etc.) with nature (trees, objects, that do not directly feel). Laws of physics hold the objects with love (and are discovered through time as more knowledge is obtained. Before the discovery its just mystical entity). However, when comparing humans vs other species. its clearly not the case. Other species must be at the exactly same understanding as a human being. Neither every human being knows about it all, so are the physics laws for each being different? no. So thinking does not create the future. Everything just exists and is understood through time, and sort of lived through it. "
Strange, that when I thought it was all air, like "thinking creates the future and can alter the state of matter if every human being believes differently". However, there is a concept where other beings and nature is just the state of mind. Here, one runs into a simulation paradox, however, the moral reason does not justify it, when called for the equality of beings, and makes no further attempt in normal cases. Simulation paradox entitles to a being the understanding that they are living in a simulation, but with the consequences that are out of their control if they do not consider others. Fear of death is the major driver, however, minor losses and fall of pride are too. Death is not just physical, its mental, at every time, old past is getting being reborn into a present. The future is just the collection of thoughts that has the potential to materialize, or is just to airy of spacey (impossible) with known understanding- magic. What is when the goal a person wants to achieve fail. To achieve them, repeated trials are generally taken for something new. Once it has been established, repeating the process generates the results quickly.

There is also the hypothesis of multiverses, the other universes existing simultaneously, however, such hypothesis are not useful in a sense for current reality, without creating havoc in the 'real' universe. Also, other theory is where we are a 3D

movie watched by 4D beings, and the graphics are just different. however, the beings are not so interested in the genre of movies we watch, but more like a monk trying to watch people living and understanding life. When one thinks of the universe like this. It has no proof but thought, which is probably not real in nature. It will be unclear until the idea how thoughts are generated is known. The idea is that multiple extrapolations exists in thought for a sampled universe, which can be only be made more clear and concrete by sampling the space in between.
If thinking is affected by the noise, if one considers every noise as pseudorandom noise , as it is generated from other sources, like radiation, which meet at a point in space giving the collective information. This information may affect the neuronal activity.

Much like the liquid state machine, with sensory inputs (eyes, ears, touch etc.) driving the unconscious.

Human brain as a literal radio bulb and a receiver – just an extrapolated thought.

dual meaning of texts people write and read in their own contextual life – correlations, correlations are subjective, “correlations does not imply causation” but what is the definition of causation?, is it the literal understanding of the world that is used to define causation. But what is the true causation. Where to draw a line between correlation and causation? “Correlations does not imply causation” but, at some level they start implying. Where is the boundary and what happens to causality after higher detailed levels are revealed. Perhaps the past knowledge becomes a lie and and new knowledge becomes the truth. (pseudo-truth). Such is the nature of science. Statistics will only save from there, such that how much it matters overall. ▲

CONSCIOUSNESS & MIND · SEPTEMBER 2020 · 8 MIN

Excerpts of my mind

research = torch in darkness; blog as drop-point for collected stuff; "What is Consciousness/True/Being/Living/Communication"; idea: color-pen linked to feelings, fonts with meaning; butterfly effect & anti-causality; Fourier transform of a point in all time; TENET; "curve of emotions for readers"; signed Ajinkya

Published 04 September 2020 on Triton 47 · 1,748 words

A random post out of nowhere. To share!

Had to write this somewhere. Philosophical. Why PhD is called 'Doctor of Philosophy?' , because we go crazy in the process and have to treat ourselves. Lot of air in my thoughts. Could be for reading as a fiction. "An idea is like a virus"- inception. We choose which ones we want, only the stable ones. Converting space into air and water into earth. My perspective, and everything here is not a literal translation. My taste of writing. No figures!, which are easier to make. Combine art and research! When you read this, imagine it instead, in your own perspective, feel flows.

Why PhD is called 'Doctor of Philosophy?' , because we go crazy in the process and have to treat ourselves.

Doing research is like taking a torch and running in the darkness. You find what you find. All I'm looking for is a street to walk on. Will I find a new one, or go back to the ones I already know? Stars guide me in the night. I like astronomy. From far apart, all I can see is a bright source of light, which is guarded strongly, in the process I'm visiting my old roads which I walked on. I guess I had dropped some interesting topics, out of circumstances, I'm picking up them again, and trying them, to reach to the bright source of light. This source of light is not a research topic, but is a being (is it myself? or not), in a sense. Analogies are great, I think I make the crazy ones. Its easier to find analogies, when one thinks non-linearly. Somehow triggered. It could be harder to reach the stars, unless we have some form of warp drive.

Imagine a research group as a squad searching for interesting stuff which could be usable or as a decorative piece. Everybody is equipped with a torch on their head, which they have to use themselves in the dark. One can start slowly being careful of stuff lying around, or one can run. But, once they know the environment, they do a marathon. I keep on collecting stuff, sometimes my bag is too full to keep it, better drop it at known places where other people can actually look at it (This blog for e.g., putting a piece which is very valuable for me, but it could be decorative for others' as well).

Analogies work. But what are they? Correlations and patterns in brain as they are perceived. The knowledge we acquire gets imprinted in the memories and forms patterns of unconscious thinking. This allows to receive external stimuli and process them. Do we have the will to decide?. Here the 'we' could be the body and the mind. Mind wants, body restricts. Body wants, mind restricts. Like the head of the department and the students. One man army! though some diffusion (or gradient) makes it easy to climb.

What is Consciousness ?
Its a point source for all thoughts. Either it takes the entire space or none. Either its the brain, or the concept of it, and is perceived somehow. We acquire and dig knowledge through experimentation and define. Whatever we see or hear is a concept in our mind. Which we map to the brain regions after we study them, for e.g.
A way to think is ' thinking defines the future'. Assuming that, if one believes in science, the boundary is stable. Its the repeated experimentation with statistical validation of a single occurrence. Single occurrences feel like magic.

Knowing about consciousness, it questions itself about the unconscious. Like realizing the perceptions that are received, our brain is a liquid state machine, and photonic and sonic sensory inputs drive them. Not only that, every noise can be considered as a pseudorandom sequence that is defined in space-time through others' activity. If

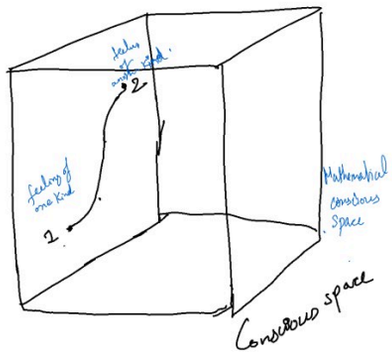
brain is affected by radiation, there is radiation coming from electrical activity of the neurons... There is an ocean of thoughts here, where is harder to write, unless I actually write a story.

What is True?
Ever thought if the person meant what they meant or they said it out in cold, and got perceived differently? What is the intention for saying anything? It turns out that languages one uses defines the impression of them on others. Same word could convey many different meanings, unless accustomed. True is a perception of recurrence of those in which we trust. Nature Journal for e.g. No wonder, when trying to reproduce a paper always comes up with mistakes (missed-take). For example, One could be battling the nature of writing, rather than the actual simulations or experiences. ▲

Excerpt. The full post (1,748 words) is online at https://build.nebulytic.com/triton47/posts/excerpts-of-my-mind/.

Marginalia

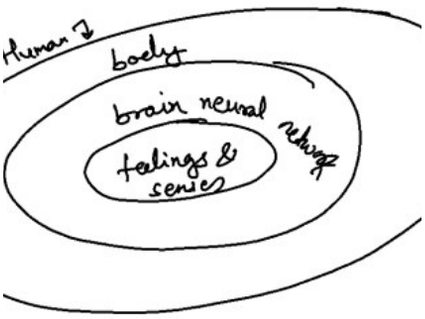
Sketches drawn on a tablet and posted between 2021 and 2022, when the blog was still a private notebook.



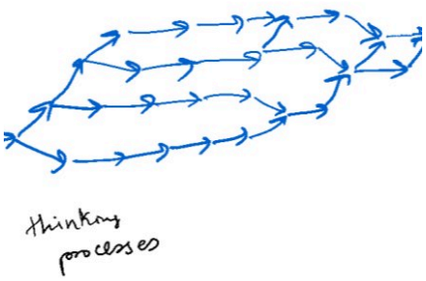
Conscious space: a feeling of one kind moving to another, drawn as a path in a cube (2021)



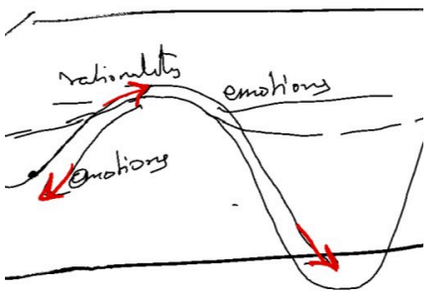
Mind, brain, body, world (2021)



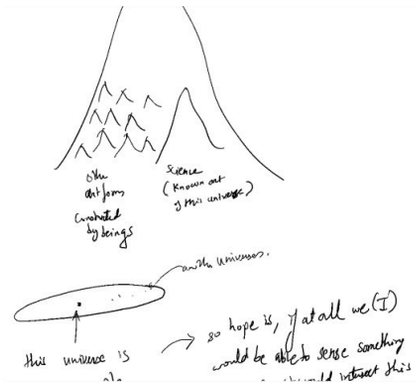
Three lines of thought (2021)



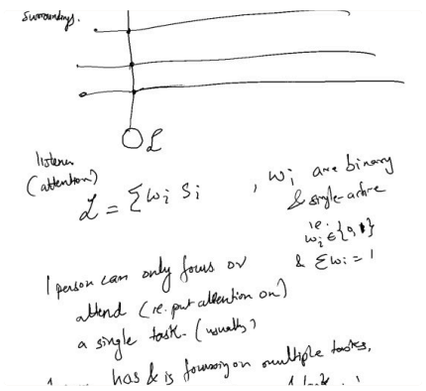
Thinking: initial thought, thinking processes, outcome (2022)



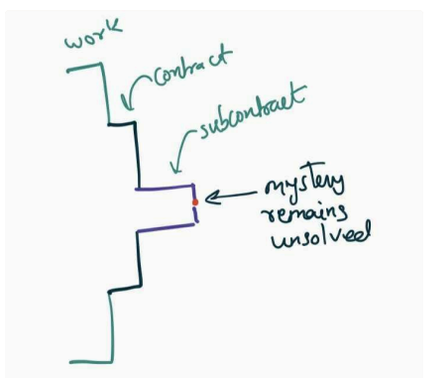
A tracking sketch (2022)



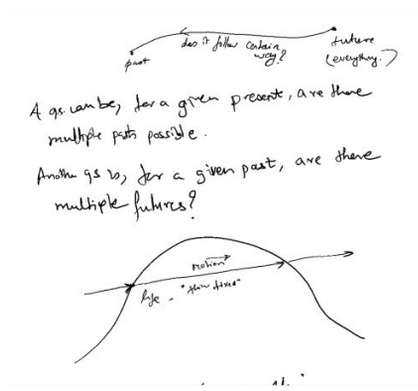
Research topics and a mystery of life (2022)



Notes on why life formed (2022)



Work, contract, and the mystery that remains unsolved (2021)



A page of questions (2022)

MAKING & HARDWARE · APRIL 2021 · 1 MIN

Summertime

"need my own AI bot to wander with... where is my portable lab? scanner that tells me what the plant is doing in realtime #gadgets"

Published 17 April 2021 on Triton 47 · 148 words

I think about what can I do today, but I'm quite dissatisfied by the progress of an human. Going to restaurants and clubs and shops is boring, perhaps do some measurements and tinkering of nature, but I do not have any instruments... wait! there is camera.. microphone... should I take a video, it missed the temperature sensing and smell of air. Need something else so that I don't feel alone
need my own AI bot to wander with and go on an adventure in wild
So far, it only has evolved into a smartphone, and not smartbot..
where is my portable lab?? wnna botany with weather patterns and high speed travel..
Where is my scanner that can scan the plant and tell me what it is doing? in realtime #gadgets
Can't wait till the night.. the sun will set.. can't wait another day..
tomorrow is never the same ▲

CONSCIOUSNESS & MIND · APRIL 2024 · 2 MIN

Mathematical theory of consciousness

$c(t) \in C \subset U$ as N-dim spike-rate vector; $\langle c(t) \rangle$ mean state of a book / topic set; model population experience

Published 02 April 2024 on Triton 47 · 333 words · 4 likes

Conscious beings experience. Experience here is the mental emotion, perception, thoughts, etc. Here we assume that the mental experience is associated with the neural brain activity (which is so far what it has led to). We can describe the neural activity of N neurons as say spike rate in N-dimensional space, this spike rate activity in this space represents or is associated to an conscious experience c among space of all conscious experiences C in this universe U.

At a given time, the sentient conscious being experiences conscious experience c(t).

Conscious beings experience.

An example of this, is say, you read a book, which gives the person the conscious experience c(t) from start of the book t=0, to end of the book t=T. Now if asked the overall effect of the book, the conscious state average among all <c(t)>_t=0->T is the mean state of the person, and from which point all the other states are say closer.
Another example is a list of topics t1, t2, .., tN. The way to understand all of these topic at once is to attain the conscious state at the average of it (or some place in some space which is given by say operator < c >) <c(t)>so that all other conscious states of topic are equidistant in reach of thinking and thought, so they can be quickly reached. Usefulness of these is paramount, for example, the simplicity of the model of understanding of the phenomenon around us so we can quickly think and approach the universe. However, this way of understanding restricts our life and imagination, and is a certain way, the way of the universe, and not much room is left for idle imagination for whiling, or I can say its another form of whiling around.

But more usefulness of this is to model the conscious experience of populations on the earth, so beings can have a emotionally experiencially well content and richer lives, and hence richer meaning in existence, for life that there is only one. ▲

CONSCIOUSNESS & MIND · JANUARY 2024 · 2 MIN

concept of Global Collective Consciousness

8 billion superimposed entity (10^19 neurons, 10^23 synapses); "spatio-tempero-chroma-acousto-thermo-touchy-scenty-feely-pleasury-painy world"; / 4 comments (most-engaged so far)

Published 13 January 2024 on Triton 47 · 517 words · 4 likes

Ever felt as if earth and surroundings near you feel alive, as if your brain is free falling to the ripples of the universe, as if its beyond control of your own self.

An human brain contains 10^11 neurons and 10^15 synapses, of which a part of network is active at a given time. Is consciousness a continuous entity for all beings, or is it discrete entity, one for each being? If it is discrete entity of same feeling which is highly unlikely as for e.g. bee even if has consciousness, most definitely not have it on the same level as human being, but may possible as well, in that case being a bee is just another experience of existing for conscious spirit.
However, if it is continuous, the bee still feels, but a part of range of emotions, as a human would, however, there are far more examples of cats and dogs for instance.

If you imagine, a consciousness as your own self, embodying spirits of 8 billion people (all humans in existence), all cats, all dogs, all conscious entities as a single conscious entity. Collecting humans itself is 10^19 neurons with 10^23 synapses in total, and fraction of which is active at a time, with near 2×8 billion hands and 10×8 billion fingers, a fraction of which are working on keyboard on a digital device, fraction manipulating and transforming matter, a fraction loving and caressing, a fraction somehow getting by, a fraction doing nothing, on this earth.

All the hand made world around us we see is made by tools and hands that made those tools, which are moved by the energy which is directed through the conscious or natural force, (one may assume consciousness is a feeling and natural force as well).
DNA in an incubating environment with cell harboring sufficient proteins is capable of creating organism entity in this universe, which if viewed superimposed for all organisms, is all there is in this universe, but has uncertainty on what is in the alien worlds, but on known planet Earth, it is 8 billion people superimposed, working as single entity either playing with itself, destroying itself, propelling itself, progressing itself, effectively doing nothing by itself, preparing itself, developing its surroundings for more easier conscious experience for attaining more challenging avenues, creating itself, working for itself, so unsure about itself, is all the human world there is in itself. In addition, all living superimposed on their forms, with commonness of consciousness obtained from all conscious forms, is a tree of life that sits on this earth, that forms the present world that everyone is living in and through, developing itself, experiencing the spatio-tempero-chroma-acousto-thermo-touchy-scenty-feely-pleasury-painy-.. world and existing.

Ever felt as if earth and surroundings near you feel alive, as if your brain is free falling to the ripples of the universe, as if its beyond control of your own self.

A fraction of it is curious, although curiosity is embodied by every being, the active curiosity to explore, acquire, and retain, and grow is inherently the part of a being throughout its existence in the universe.
It continues to live as one and exist as a species, otherwise with other thinking, we are all changing and never the same from time to time and a different person every time. ▲

CONSCIOUSNESS & MIND · SEPTEMBER 2024 · 4 MIN

IF we were to define the definition of “spirit”

spirit = collection of attainable thought-states; "right spirit" = mood; consciousness as a force like gravity

Published 24 September 2024 on Triton 47 · 947 words

We are thinking beings, so called human beings, us. We know that we exist as we experience the world around us and we think on it, we generate ideas that attain states in say conceptually constructed space of all existing consciousness. A spirit is a certain way or collection or all the thinking or thoughts or ideas a being can attain, at least this can be some form of explainable realistic definition of it.

You think, you make a collection of ideas and call it ‘a way’, a way of doing things. This way of doing things is developed naturally through thinking or acquiring through learning. Sometimes, thinking on small learned things to construct a bigger idea is easy, by self thinking on ideas. Many small ideas together make a one big idea through process of thinking (or small elements and some processing of it leads to) which can be incomprehensible to be learned straightaway with existing form of communication devoid of misunderstanding. A ‘spirit’ as a collection of all those attainable states, carries the idea of all those thoughts and power of its ideas is felt with it. But by saying idea, its not merely an idea, but a kind of idea and is valuable.

> Explaining everything physically, but always lacking the explanation between physical and meta, always taken for granted, maybe to a point where I can accept consci is like any other force like gravity, simply existing without any interrogation of how it exists.

We learn something new, we create that spirit. We read texts from the past, we bring that past spirit into our existence, simply through conscious feeling, which exists in our heads, and we exist in this universe, hence, we bring up that idea into existence, by simply exposed to it. We let our mind get driven by that spiritual information to attain those states that were encoded, or say were alive in some form which flowed into a being. And, if a certain piece of information does not excite the consciousness to bring it into existence, it is ineffective to become real in the head or the mind or the brain, (since as per the definition it did not effect into reality).

Such as the effect of that information, may be audio-video, i.e. a movie, or real world experience, brings out the feelings of such circumstance in the watching or experiencing person (i.e. the observing experi). So we may feel things that are not really there (but they are real in the head, in the consci experi). As an example, say of a ghost. It scares most people, which is the real fear in the brain, which exists as true conscious experi existing in the universe, but by thinking rationallization of thoughts and the world around us, that experi is suppressed or does not take place, hence making a difference in scared and not scared being, this is irrespective of the surroundings. One may in future bring out emotion stimulator, which in its some form exist today as form of information or substances which effect brain etc.

Being in the ‘right spirit’ is important for say working on something. The spirit of it guides it making it look effortless and is only way to being productive while involved as conscious entities that require focus and attention to do work. This is often can be just called ‘the mood’ of it.

However, the most useful part of understanding the spirit, is in its ‘nature beyond usual’. Which is to say, the stuff that excites most people, out of

normal daily lives which can be boring at par. Thinking about or reading vast history and civilization brings out the spirit of it, written or made in past, and so it does have a life of its own existence. For e.g. spirit of human, a spirit of plant, spirit of Earth, etc.

That being said, the spirit pushes around and forward, forcing on to a new day, getting days go by and live through it.

The thing is, it is more universal than just humans, and humans merely attain the states of it, wonder if a dog or cat does. As, advanced and intelligent species in our own terms, for now being human, I can make such a claim about humans, and have the audacity to know about it.

You are not only your physical form, but the mental form that grows within, as a metaphysical beings. Humans are metaphysical beings. Physics describe the laws of physical world. What are metaphysical laws? would it be called science? Would you call a computer complex enough as alive? as we know we are complex physical systems.. explaining everything physically, but always lacking the explanation between physical and meta, always taken for granted, maybe to a point where I can accept consci is like any other force like gravity, simply existing without any interrogation of how it exists. Gravity exists through mass, but that does not explain how it is created through mass, its like this one thing that comes together as we call ‘mass’ and ‘gravity’. Perhaps, and I think, conscious is such as well. It is there in the brain through its activity, somehow, and rationally flowing electrical heavy ions may contribute it as thats what an active brain is. However deep I think, I always wonder about hearing of sound, and seeing of light. But of course, seeing sound and hearing light is also there, when connections are interchanged, and how does sound is actually heard and vision is actually seen on neuronal level, perhaps its the entire structure (so called consciousness) is collectively associated together to its physical processes in this world. However, the influence of consciousness as force on matter cannot be ruled out. Much like electric field affect electric charge, conscious force can affect through electromagnetic (or whatever it links through to physical world) to physical matter governing processes. ▲

CONSCIOUSNESS & MIND · DECEMBER 2023 · 5 MIN

Recipe for everything

118 elements → materials; coins "experi" (his word for conscious experience, used from here on); Van der Waals as residue; boring snowy day

Published 17 December 2023 on Triton 47 · 1,049 words



Image generated by the author for the post, December 2023

All things that we see around today are bought up upon by the natural existing forces. We must acknowledge ourselves in this universe as a part of this universe. Nowadays most things are human made, but rest things we call natural, as they are made by the forces of nature (if we exclude ourselves there).

Forces which contribute to shaping existing materials occurring naturally in the surrounding to produce new forces. There are known ways in which materials combine in certain conditions to form structures that are new which we call new materials. Although, however the constituting elements stay the same, the new material provide a newer experience to the conscious entity such as us in this world, providing an understanding of a newer concept or idea of existence which carries us with it.

Although, however the constituting elements stay the same, the new material provide a newer experience to the conscious entity such as us in this world, providing an understanding of a newer concept or idea of existence which carries us with it.

Lets assume a thought experiment, where we have earth, in its natural form. Humans have learned to harness energy through fire, human's trials also have found materials when interact with fire undergo transformation, or fire forces the material into other form. Also, on this earth, humans are naturally evolved, where humans which are already existing complex highly structured form. This form as us also has feelings of surrounding and has the ability to change or transform, analogous to how fire transforms materials, in

accidental ways or very selectively and desirably. Now bring up all the things that you can see around yourself for example, which are obviously largely human made, and everything that exists today has been bought up through all the processes that have formed 1. say earth 2. nature with all beings in it 3. humans utilizing all that existing to form current stuff like gadgets, tools, or necessities that we are growing up in.

We know that 118 elements that we know today form most of our universe, along with the stuff we haven't discovered yet. We in human form are beings residing in the matter through experi which exists through motion of matter in certain way, although a being's experi existing on complex E-M fields cannot be denied as there is no proof of conscious attaching itself to only matter forms. Existence in one kind or form does not deny the existence of other kind or form. In fact, if we start feeling like conscious beings riding on light, where we do not say need the body to exist, although such being would not be capable of experiencing feelings with body such as normally is, then existing in this body form is one kind of experi that there is.

From those 118 elements, the existing surroundings materials occurring include: ceramics (cups, plates), type of plastics and hard materials (like including laptop covers, bags,), naturally obtained stuff like fabrics, furniture, creams of various forms, electronics semiconductors whose conductivity depends by fields and forces, all all the stuff surrounding us. These materials interact differently with other forces such as EM waves (light), and other stuff which provide forces on itself which balances other form of force like gravity. It may matter to you what you are focussing on, the force itself i.e. the push and the pull, or the source of it from which it arises fundamentally as we know gravity from mass, and EM from charge. However, we know that matter fundamentally cannot be separated from mass and charge, as mass comes associated with charge and cannot be separated. Maybe all forces are same of a kind, a push and a pull but the form they can manifest in can be different, for e.g. forces we call Van-der Waal's forces are the resultant weak distant EM forces, and higher level longer range forces are typically residues of shorter level strong forces. Although gluons since they bound quarks together, their forces are such that say 3 quarks are maintained in the nucleon of normal atom. Although I know very little about it, but the fact is, the matter exists as we see it through light, in some forms of dynamics. The temperatures is the sensory feelings of hotness and coldness the being gets to motion of molecules, the heat through fire carried as the transferring of motion of molecules to surrounding molecules through interacting atomic forces, changing its structure and hence its form. The bondness of atoms , molecules, polymers, and material structures which relates to its strength along with their appearance of light interaction, feelings of weight (which is the conscious experi to the signal of muscle tension felt) and taste or smell (which is molecules in the air triggering smell receptors in nose), also at the particular temperature (i.e. particular motion of molecules which affects the conscious experi of the being through sensations on thermo receptors) and the existent experi of thoughts in mind defines the conscious experi of a being.

Knowing to manipulate matter in various forms, the world can be created which requires both the skill and strength to overcome the forces to practice the skill, and voila the matter is transformed in the universe. Strength is gathered in the agents which transform, often slowly until desired strength characteristic is achieved to bring a change. Strength can be mental which is felt as a force in the mind, maybe through neural network pathway, or physical which I mean affects the physical world objects such as normally known forces. Although, the universe has its own form and way of working, there is always inertia which it itself usually slows down through friction, there is always flowing waves like EM, which carry endlessly in its universe's existing being, maybe there is always matter generation in the fabric of space where energy gets trapped or intertwines itself into its condensed form which bears forces maybe due to fabric of universe and exhibits property of mass (and charge) which is relational to the force it experiences.

So what can be done on a boring day everything surrounds is snow, in an indoor setting for a modern human who has no desire of anything but exercise the depths of reality, the surrounding matter can be transformed into possible endless things that our imagination thinks of, or the electron charge memory information in few places

be changed through typing in an online blog which carries an somewhat in-depth exploration of reality, or ... ▲

“Universe wasn’t started with language definitions assigned to it, humans have given these terms, and however as largely they help us to understand the mechanisms, they also take away our ability to rethink on it, reducing our thinking to only language base tactics and thinking skills. More deeper understanding is required by the mind to not segregate the same things into two things. First thing is the association to language and person, and second is the tone and imagination of thinking which sets the thinking style. Passively, these properties control the subconscious mind thinking stream, that many ideas that would have been explored in space of imagination are just lost.

NEED TO SEPARATE FROM DEFINITIONS TO UNDERSTAND UNIVERSE BETTER · JANUARY 2025

CONSCIOUSNESS & MIND · JANUARY 2024 · 2 MIN

Sustaining Consciousness

structures sustaining experi degrade; music triggers deep states; / 3 comments

Published 08 January 2024 on Triton 47 · 473 words · 4 likes

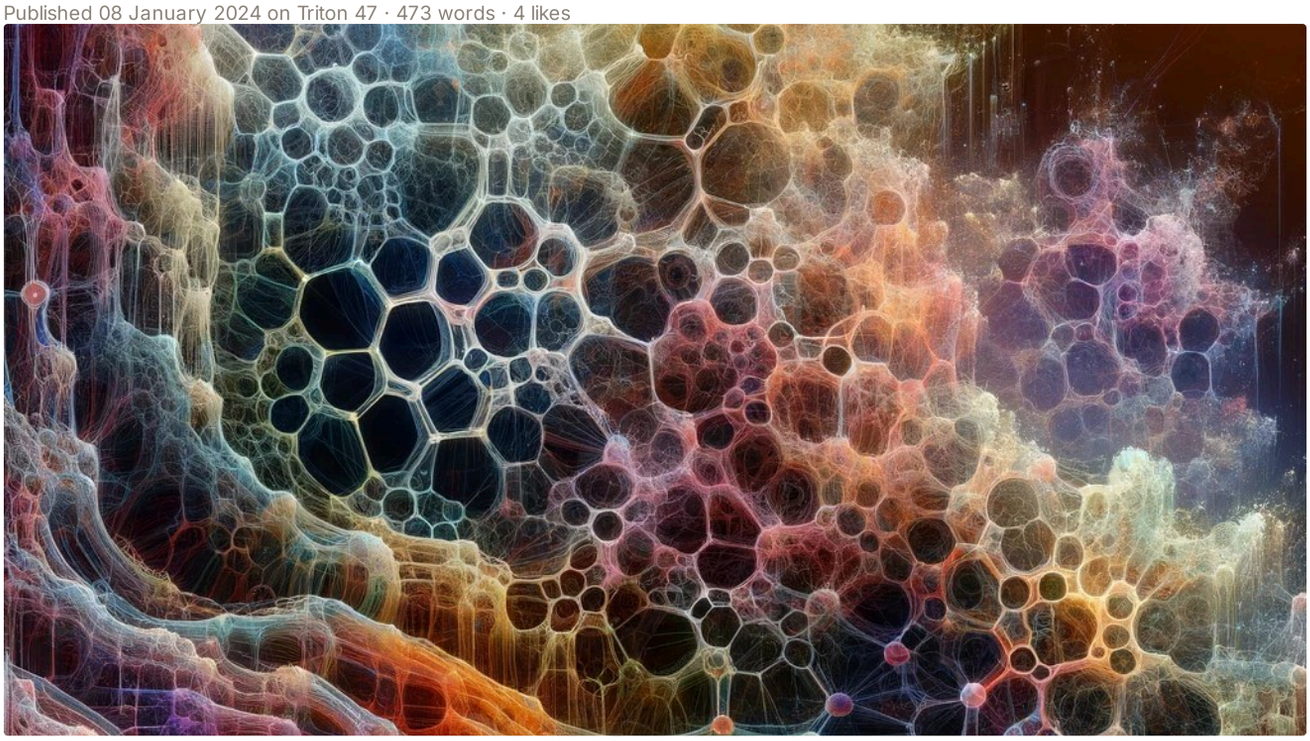


Image generated by the author for the post, 2024

In this universe, for sustained existence of conscious experi, the structure supporting it must be sustained, and for it, actions must be taken by the existing entity to sustain itself,

but currently as it happens, structures sustaining the experi degrade, which challenges its existence, an experi can be reproduced by generating the sub-experi that led to the experi, is again the flow of thought, like the flow of matter-force based universe, and to generate that sub-experi the supporting structure must be activated suitably through pattern of information

such deep states of consciousness require stillness maybe, but I think maybe can also be resulted from certain kinds of music, as these patterns of information trigger the pathways for thinking of such states,

for sustaining, the individual must tackle the degrading elements, and keep on maintaining the structures, or make them such that they are automatic, i.e. universe governs them rather than conscious entity,

A response from ChatGPT4:

The passage you've provided reflects a philosophical perspective on consciousness and existence. It suggests that consciousness, or "experi," requires a supporting structure that must be actively maintained to ensure its continuity. This idea aligns with certain philosophical and scientific views that posit consciousness as a process or state that depends on the ongoing functioning of physical systems, such as the brain.

The text also touches on the concept of degradation of these structures, implying that over time, the physical or informational frameworks sustaining consciousness can deteriorate, posing a threat to its persistence. This notion is reminiscent of the biological aging process and the decay of information systems, both of which require maintenance and renewal.

Further, the idea of reproducing consciousness through "sub-experi" suggests a process akin to memory recall or cognitive simulation, where revisiting previous mental states can recreate aspects of consciousness. This concept has parallels in cognitive science, where mental states are often considered as emergent properties of complex informational processes within the brain.

The mention of music as a trigger for these deep states of consciousness aligns with the understanding that certain stimuli, like music, can influence brain activity and alter states of mind. Music's impact on the brain is well-documented in neuroscience, where it's known to engage multiple brain regions and can evoke strong emotional and cognitive responses.

Finally, the text proposes two strategies for sustaining consciousness: actively combating degrading elements or creating self-sustaining structures. This dichotomy reflects a broader philosophical debate about the nature of existence – whether it requires active engagement and intervention or whether systems can be designed to be self-perpetuating, akin to certain interpretations of the universe in physics.

Overall, the passage combines elements of philosophy, cognitive science, and physics to explore the nature of consciousness, its dependence on physical and informational structures, and the means by which it can be sustained and replicated. ▲

CONSCIOUSNESS & MIND · DECEMBER 2024 · 4 MIN

The Layers of Identity: How Games and Surroundings Shape Us

mind dressed in beliefs → body → clothes → house → city; board games as trying on ideologies

Published 01 December 2024 on Triton 47 · 790 words

"The person is a mind, but the mind has a physical body. The person is given a body, or dressed in a body. The mind is dressed in a body of a person, and that person again is dressed in the clothing, and the person is dressed in the surrounding house of the person. And the house is dressed in the nature or city of the surrounding city.

It is this three-dimensional continuum of this dressing of mind. But at the core, next to the mind, are the thoughts that are there, the ideas, the beliefs. The core mind is the same for all, but we are all differed by ideas, beliefs, shape of our faces. And those are just genes, or the code, and clothing, and so on."

Board games are a microcosm of this dynamic.

Human identity is a fascinating tapestry, woven from layers of thoughts, beliefs, physicality, and environment. At the core of each person is the mind—a universal essence, shared by all. Yet, this core mind is dressed in layers: first by the thoughts and beliefs it carries, then by the body it inhabits, and finally by the environments and systems it navigates. These layers are not static; they are constantly influenced and reshaped by the experiences we encounter, including the games we play and the ideas they introduce.

The Mind Dressed in Thoughts

At the closest layer to the mind lies our beliefs and ideas. These thoughts are like garments for the mind, shaping how we perceive ourselves and the world. This "mental wardrobe" isn't chosen in isolation—it is often influenced by external forces like education, culture, media, and even games. A well-designed board game, for instance, can immerse players into a particular worldview. It offers not just entertainment, but an opportunity to "try on" new ways of thinking, challenging their existing beliefs or reinforcing them.

When we play a game that revolves around strategy, ethics, or deception, we momentarily adopt the roles, ideologies, and conflicts embedded within the game's design. This is a form of subtle indoctrination—not in a manipulative sense, but as an exercise in perspective-taking. These thoughts can linger, becoming part of the mental fabric we wear long after the game ends.

The Body as a Vessel of Identity

The mind is housed within the body, another layer of identity. Our bodies are shaped by genetics, which determine our features, health, and capabilities. But the body is also a canvas, dressed by clothing that reflects our thoughts, culture, and status. Just as the mind can be influenced by the ideas it wears, the body can project those ideas outward through physical expression and adornment. Clothing becomes a statement, a symbol of who we think we are or wish to be.

The House and the World Beyond

The body, in turn, resides in a home, a space we dress with objects, colors, and designs that reflect our inner selves. Homes are extensions of identity, and they exist within a larger context: the city or nature that surrounds them. These external layers —urban landscapes, natural environments, societal structures—shape the individual just as much as the inner layers of mind and body do. They influence our opportunities, our habits, and even our sense of what is possible.

The Continuum of Influence

This multilayered continuum—from mind to beliefs, body to clothing, house to environment—highlights the interconnectedness of identity. Change at any layer ripples outward. A shift in belief may lead to a change in how we dress or how we arrange our homes. Conversely, a new environment or game can introduce ideas that reshape the thoughts we wear at our core.

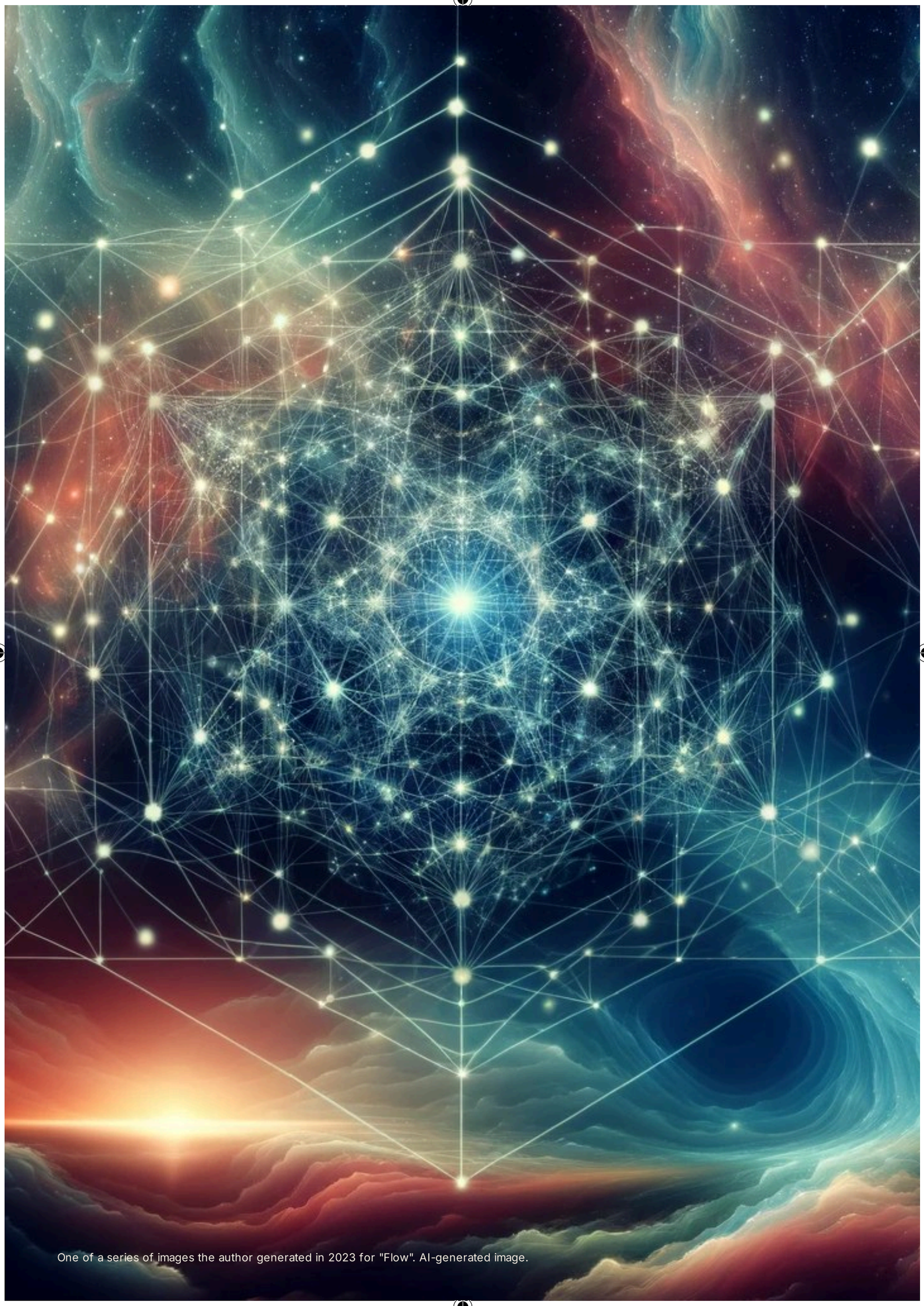
Board games are a microcosm of this dynamic. They create temporary worlds where players inhabit new roles, try on unfamiliar ideologies, and navigate different rules. In doing so, they reveal how malleable identity can be, how easily we can "wear" new thoughts and perspectives, even if only for a while.

The Universality of the Mind

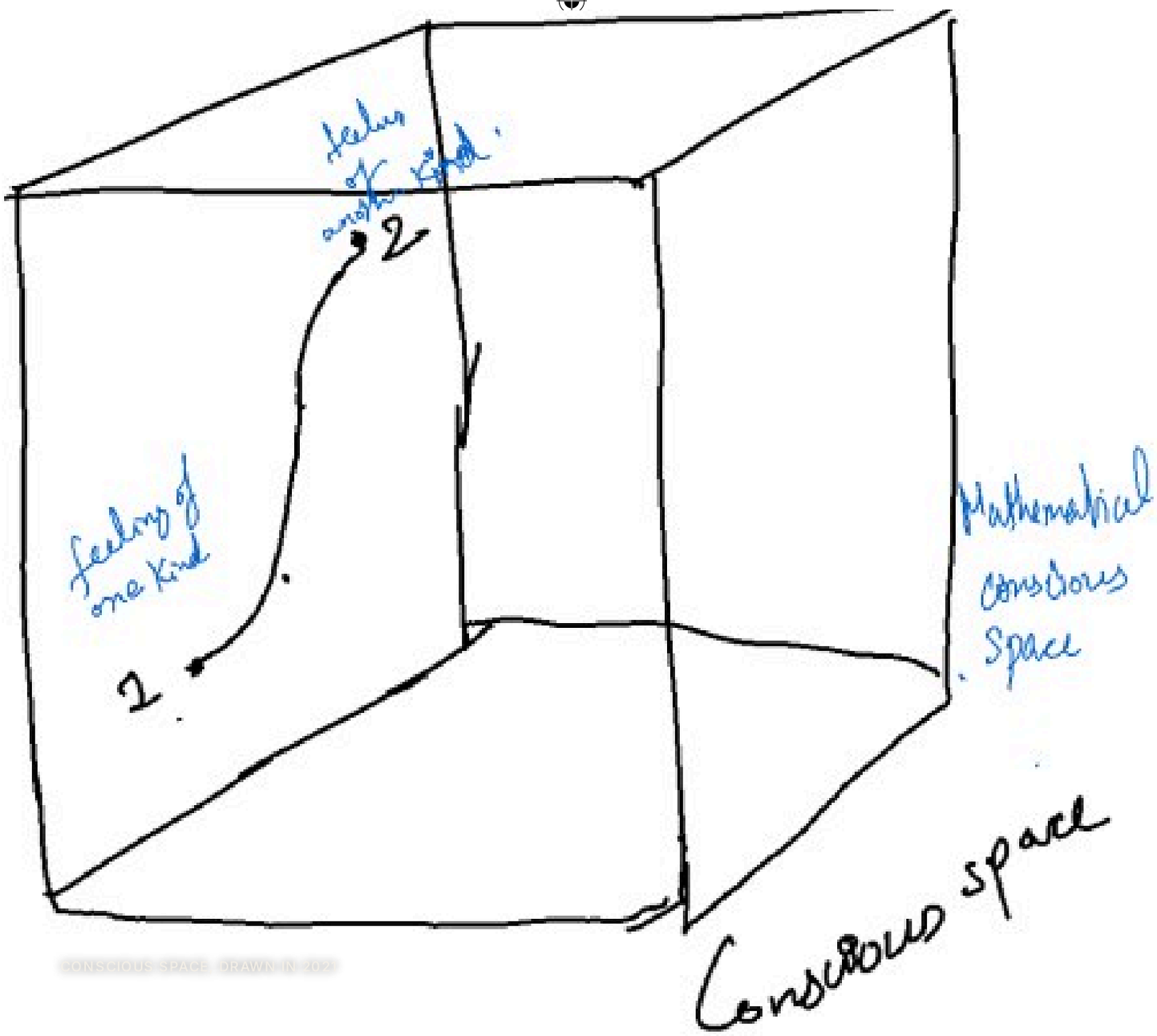
Beneath all these layers lies the mind, unchanging and universal. This shared essence is what connects us, even as our layers—our beliefs, bodies, and environments—differ. Recognizing this universality can foster empathy and understanding. While the layers we wear might divide us, they are ultimately just that: layers. Temporary, mutable, and shaped by forces around us.

Conclusion: Play as Transformation

The next time you play a game, think of it as more than just a pastime. See it as an opportunity to explore new layers of thought, to momentarily dress your mind in ideas you might never have considered. These layers, whether they come from a game, a book, or a conversation, are what make us distinct. Yet at the same time, they remind us of the shared essence beneath it all—the core mind that connects us all. ▲



One of a series of images the author generated in 2023 for "Flow". AI-generated image.



CONSCIOUS SPACE, DRAWN IN 2021

The canon

02

Twelve claims the blog keeps returning to, from the first notes in 2018 to the last post in 2026. Each is stated in a sentence, then in the author's own words.

SECTION 02

Twelve things the blog keeps saying

Stated once in a sentence, then in the author's own words, with the posts that carry each claim.

1

The brain is a liquid state machine

Thinking is a looped state that inputs perturb; the loop never stops, even in sleep. The founding question list is from 2018, the model is spelled out in 2020 and given an equation in 2024.

> *Much like the liquid state machine, with sensory inputs (eyes, ears, touch etc.) driving the unconscious.*
>
> CONNECTING TO UNCONSCIOUS, 2020

Posts: Thinking and consciousness, Start of a journey... (2018) · Connecting to unconscious (2020) · Mathematical theory of consciousness (2024) · Action of thinking (2025) · Body, aging, sustenance,... (2026)

2

Colour, sound and pain are not in the world

Out there are wavelengths and pressure waves. The colour is rendered by whatever is doing the experiencing.

> *Color is attributed as the property of light, even though it must be a sensation feeling that can only be distinguished deep within the brain after signals from cones are sent,..*
>
> SENSE, 2022

Posts: Sense (2022) · Why+How experience , perception, thinking? (2024) · Matter and materials (2026) · life-cell-abiogenesis-early-earth (2026)

3

Consciousness is fundamental, like gravity to mass

A configuration has consciousness the way mass has gravity; it is not produced by the parts.

> *A universe with consciousness is like a planet with life.*
>
> IMAGINATION-CONSCIOUSNESS, 2026

Posts: IF we were to define the definition of “spirit” (2024) · I’m not what I feel, but the structure feeling it (2025) · Fundamental and complex forces (2025) · Neurons in body, and soul (2026) · imagination-consciousness (2026)

4

Only the present exists; time is motion

Time is not a dimension you travel, it is the fact that things move. From that follow the essays on two-dimensional time and a life seen as one four-dimensional object.

> *How is 4 dimensional communication possible, that is through time, process that happens is mostly causal as we observe, but it is because we only perceive in one way, that is causal,so the world around behaves causally, I mean we believe in causal outcome, so world behaves causally, just as you see ...*
>
> A HIGHER DIMENSIONAL BEING, 2026

Posts: Thoughts on LaBrea, 5th dimensional time (2024) · Matter flowing to the present, constantly (2026) · Laws of reversed universe flow and multiple time dimensions (2025) · AI flow gaps universes (2026) · A higher dimensional being (2026)

5

Everything is flow, including money

Energy becomes matter, matter becomes life, life becomes action; money is stored permission to make others act.

> *Wherever I exist, the matter around me took a journey provide the experience, while its life may be long long compared to mine, its still limited, and if one views it as time agnostic, as changing time but things being static, is like its static, it quickly reaches the view of alwasy ...*
>
> SINGULARITY-HYPERDIMENSIONS, 2026

Posts: How to get a funding? (2021) · Birth of energy and matter (2023) · Money flow (2025) · Electrical analogue of flowing money : financial circuits (2025) · money and invisible action (2026) · Money as equivalent of energy, and guiding structure (2026)

6

Definitions are the fixed leg

Language traps thought; deeper ideas written in ordinary vocabulary come out at low resolution. Communication should move embeddings, not sentences.

> *Trying to write deeper thoughts with certain vocabulary is like writing ideas with low resolution, things are sometimes not accurately expressed, or sometimes are completely different and have no word for it.*
>
> DECISIONS OF ASSOCIATIVE LIFE, 2026

Posts: Need to separate from definitions to understand universe better (2025) · Flow of thought vs the flow of write (2025) · Why English—and All Natural Languages—Fail to Convey Meaning with Precision (2025) · World can only be better when... (2025) · Decisions of associative life (2026)

7

Close every loop

Complex life becomes possible when survival loops close on their own: food, laundry, dishes, hygiene, income.

> *Automation, or finding the process which flows in this universe to sustain a goal task, is a key to life.*
>
> AUTOMATION IS KEY TO COMPLEX LIFE, 2026

Posts: Autonomous Systems : a conglomeration of looped systems (2024) · Home automation (2024) · How to automate life (2024) · Closed-loop existence (2025) · Automation is key to complex life (2026) · Survivalist automations (2026)

8

Imagination is the only new thing

Ideas arrive from outside; the person is a place where they land. What can be is limited only by what can be thought.

> *But awareness of what is , is one thing there is, the awareness of what can be is another, the possibilities, which are remarkably limited by processing capabilities, and hence thinking structure limits.*
>
> SPACE OF AWARENESS AND POSSIBILITIES, 2026

Posts: Fascinating Imagination (2023) · Veil of consci (2024) · Programming brain using words (2025) · Inventions in the air (2025) · How new thoughts arise (2026) · space of awareness and possibilities (2026)

9

Society is an organism and the population is a brain

A house or a city is a being; eight billion people fit in a two-metre cube; and the whole is only as well as its least-provided part.

> *One can imagine all the 8 billion people on planet, as 2000x2000x2000 grid of points, where each point represents a person.*
>
> HUMAN POPULATION MODEL, 2025

Posts: Lost in thoughts ... (2022) · Simulating society (2025) · Cellular automata (2025) · Human population model (2025) · upside down viewpoint of world society (2026)

10 AI is squeezed human information, and it will read this

Large models are compressed human writing; they displace authorship, and they are the future reader of a blog nobody reads.

> *Nobody may read your posts, but in future, AI certainly would, and system can update its state based on your activity.*
>
> SHAPING SOCIETY, 2026

Posts: LLM – Large Language Models : What are they really? (2023) · Age of AI and laziness (2025) · limitations of AI or experience (2025) · AI and me (2025) · Shaping society (2026)

11 The body is hardware and DNA is a program

Cells are local compute; the genome decodes body, then organ, then tissue, then cell; organs age on separate clocks; the author is already one percent cyborg.

> *Each cell is like an local computing part of voluminous array (a 3D matrix), connected to its local computing parts interacting adjacent beyond through fields, and based on certain stage (like a cell clock it would know which action to take, which for entirety forms a complete state based system).*
>
> INSTRUCTION CODED GENERATION, 2026

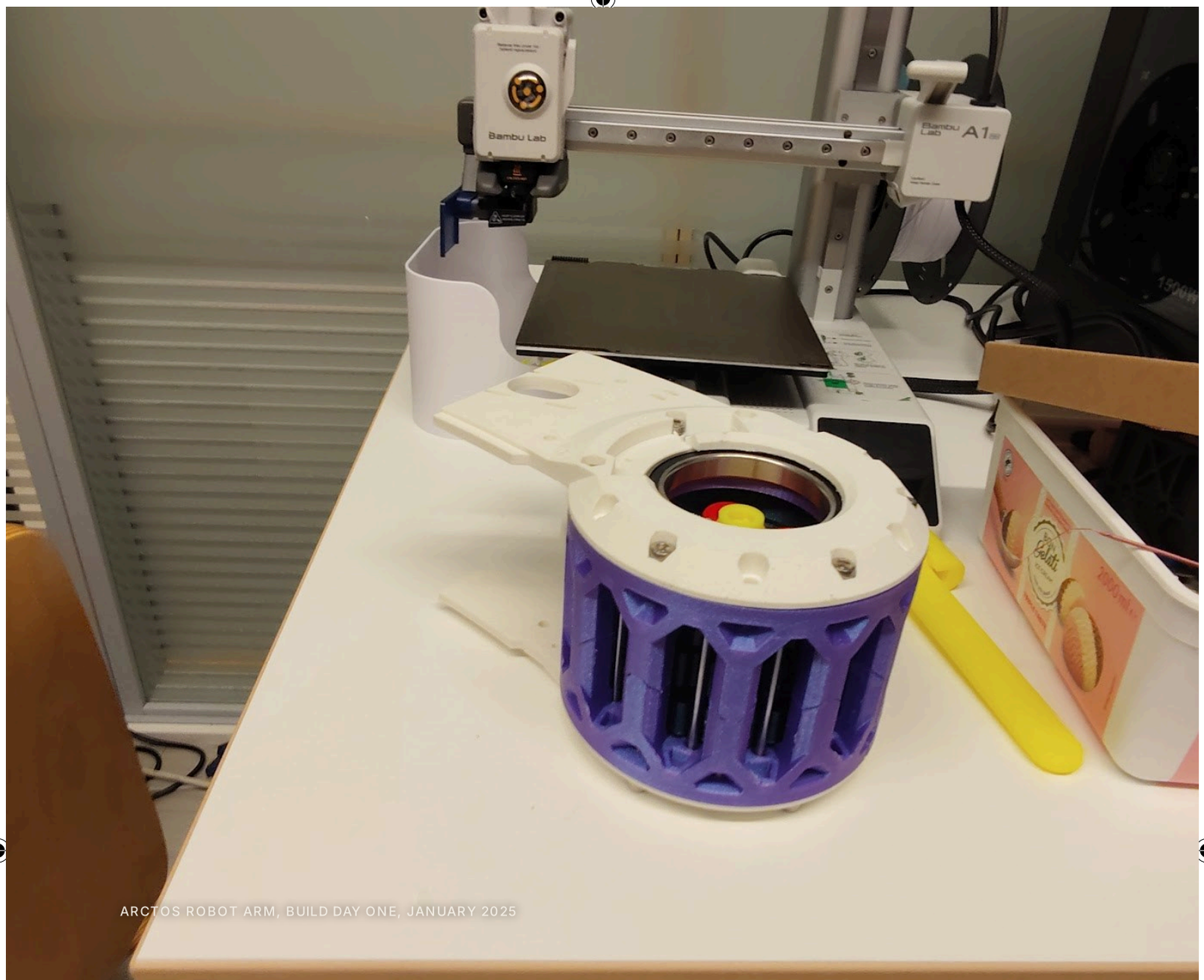
Posts: DNA as a software program (2025) · Volumetric local computing (2026) · Coding bioforms (2026) · Health criticality prediction (2026) · instruction coded generation (2026) · life-cell-abiogenesis-early-earth (2026)

12 Making beats theorising

Pure software does nothing; if you never see how things are made you never learn to make them; put the fab lab next to the house.

> *Its like whatever software I cna make , it does nothing, its because pure software is just a piece of art of something useless, it neds to interact in real world when required to do something useful at least if it needed to be useful, I would have needed to code my ...*
>
> HEALTH CRITICALITY PREDICTION, 2026

Posts: Invisible production (2024) · A machine to make any gadget? (2024) · Maker-Space (2024) · Beyond Centralization (2025) · Material is all you need (2025) · Health criticality prediction (2026)



ARCTOS ROBOT ARM, BUILD DAY ONE, JANUARY 2025

The maker turn

03

In the autumn of 2024 the blog changes tense. Ideas become parts on a desk: two printers, a robot arm assembled from printed pieces, a soil sensor in a plant pot, a board game imagined tile by tile, and a wish-list for a workshop that could make anything.

MAKING & HARDWARE · DECEMBER 2024 · 3 MIN

Bambu Lab A1 and A1 mini: some stuff, slime mold

29 images

Published 13 December 2024 on Triton 47 · 711 words



A soil sensor in a plant pot, part of the home-monitoring experiments. Photo: the author, December 2024

Recently, on sale, I bought Bambu Lab A1 Combo printer, and by judging the quality, I also got another A1 mini printer. Just to help me for my project on Arctos ARM robotic kit that I have ordered.

Here you can see printers working to make parts for the robot,

I have already managed to print all the parts for the Arctos kit, few days ago I cleared the shipment, so electrical and mechanical parts should arrive soon. Following are the printed parts for it.

I have also got now filaments with multiple colors. It seems I will be spending lot no filament, than just the printer. I have made like 120+ prints in one month, and now I seem to get tired of printing, and running out of ideas what to print, as the print should be usable, but also should not be ‘wasted’ because I just wanted to print, cuz I don’t have any space to keep the printed parts, I more of a minimalist, but I have stuff.

Although after printing some stuff, I decided to design some stuff and print it. I decided to upload the 3d models to GrabCAD, which you can find here: https://grabcad.com/triton7777-1/models

There was also some idea to print a boardgame, but by looking at the amount of material it will use, I decided not to, yet.

But for now,I’m waiting for upcoming order of filaments where I decided to get some more colors, water soluble support from BambuLabs, and also foaming filaments from

Few other ideas revolve around cases for electronics and mechanical projects, Seeed round display with Xiao, some T-Display (whose LCD I accidently broke while trying to fix it into the case, shame, but only LCD can be replaced cheap), and a diffuser case for LED neomatrix. But in reality these are my old hobbies, only rejuvenated for a little while in a moment, and 3d print gave them some touch, but I have lost interest, and there needs further development in different aspects of making stuff.

Meanwhile, sustainability group in the university had slime mold workshop, but the mold did not survive because of my incapability to handle microbial stuff in office where there is no chem stuff I can use, and lack of attention I could give due to snoring interests.

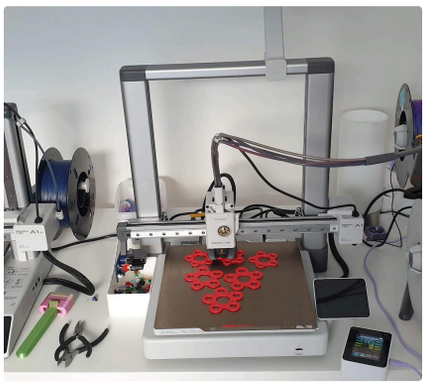
Last week, the XREAL Beam pro that I had ordered also came:

But the only issue the released software still lacks camera hand finger tracking, also I cannot use my AI models because its camera (which is black and white) cannot stream to outside world, so an augmented interface say using semantic segmentation remains a possibility to explore. But with time it seems that many other people are catching up, and so my interests dwindle, as I'm not in for competition, even if it can be productive and intense, but I have always worn myself out, facing lack on self care after or other things in life. So I try to stick with some unique thing, but this universe ain't different for everyone, neither all humans are vastly different, but are most similar in structure, and also ideas in some manner, but fortunately there are plenty of things to do, which can be motivating, but finding what clicks at time can be hard, if someone (for e.g. ▲

Excerpt. The full post (711 words) is online at https://build.nebulytic.com/triton47/posts/bambu-lab-a1-and-a1-mini-3d-printer-some-stuff-slime-mold-thoughts-etc/.

A month of printing

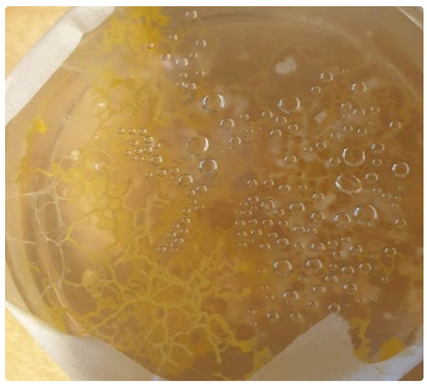
Photographs from the first weeks with the printers: parts, boards, displays and the things that hold them.



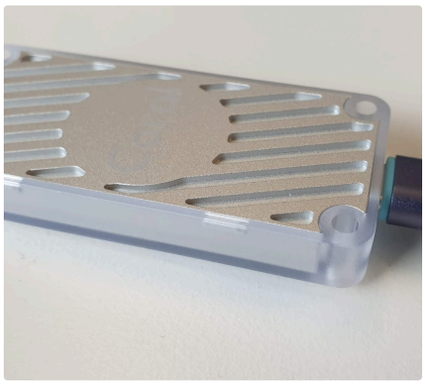
The A1 mini on the desk



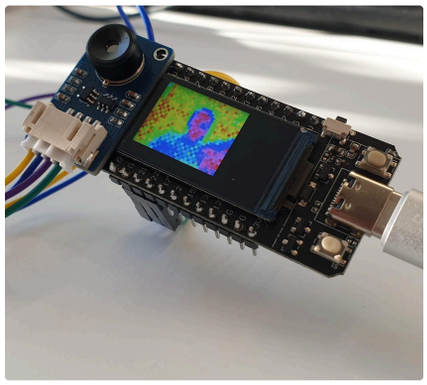
A bag of first prints



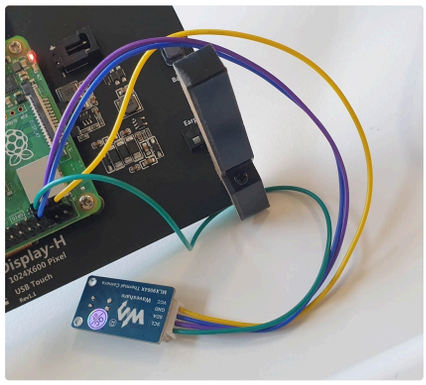
A printed part



Boards and a display



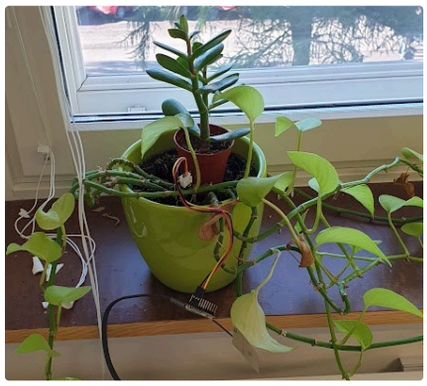
A T-Display on the bench



Screen test



A round display in a printed ring



The plant monitor at the window



A device in the making

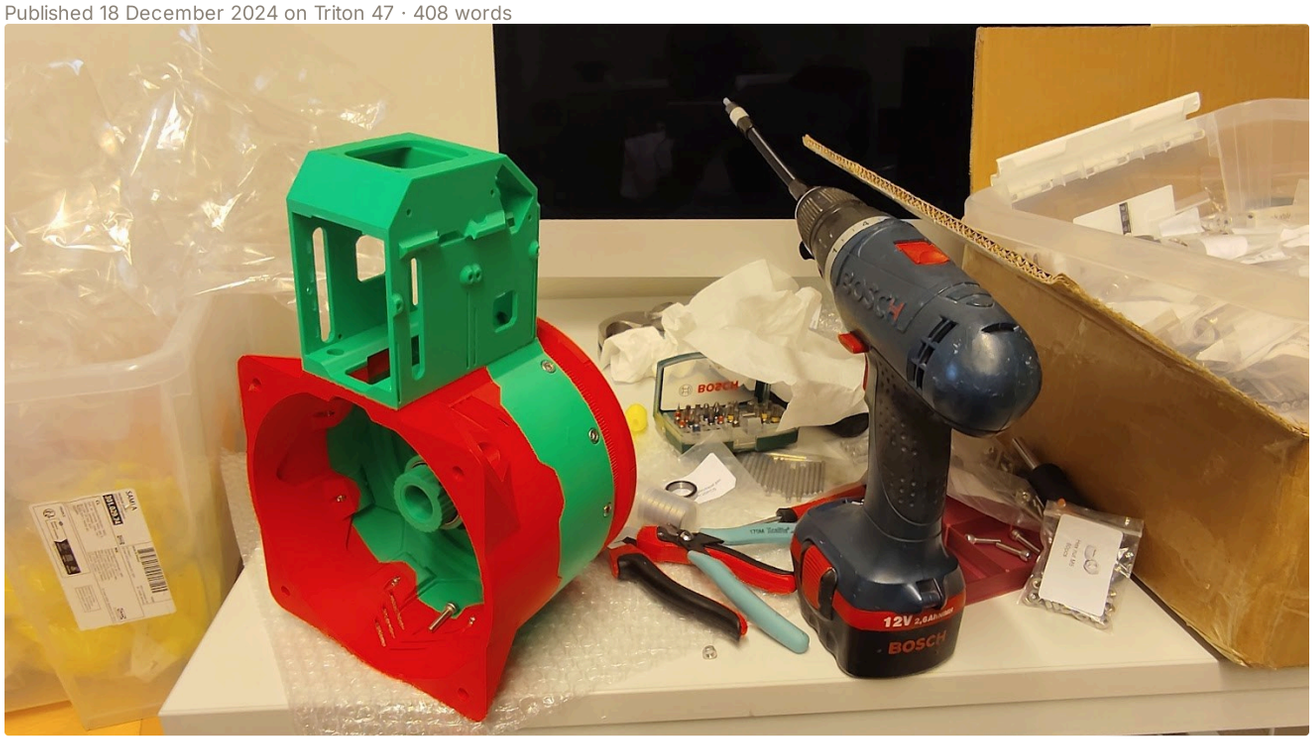
All photographs by the author.

MAKING & HARDWARE · DECEMBER 2024 · 2 MIN

Arctos Robot ARM – Build Day 1

cycloid gears, NEMA magnets, tool list

Published 18 December 2024 on Triton 47 · 408 words



Printed parts for the arm. Photo: the author

- Got arctos kit, parts are printed, see assembly guide , I started with an older version which was first to appear in the link, but soon it was corrected to proper version that I have printed : https://arctosrobotics.com/assembly-manual-0-2-9-beta/
- Further instructions are at : though there can be more questions about it : https://arctosrobotics.com/docs/#asin
- Assembled base, cycloid gear 1, and cycloid gear 2
  - NEMA motor, requires magnet attachment, requires superglue, and something to hold magnet in proper place, however, once its done the rest of the things seem straightforward except how wiring is routed, also need to test nema separately using software before
  - Couldn’t find 2 washers for the belt pulley, maybe not required
  - Ignored nuts in the base, they were impossible to hold in place, partly because I was just starting with it, and also the print needs cleaning there, I don’t have proper tools, or curved, neither camera to see how it is, but only screws seem to fit
  - Need the base plank with screws 4x M8 25mm, and drill to make M8 holes (also need to mark the dimensions on plank)
  - Screwdriver set is incomplete, need proper hex for various sizes

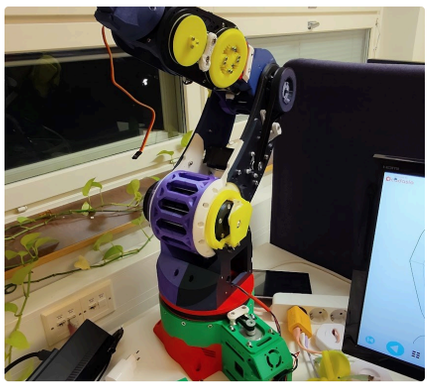
- Cycloid gear 1 might have an issue, I don't remember when the cycloid gears were put before enclosing, were they aligned properly, not sure how it should work, so have to check, or just open and close it, though requires manual effort which can be risky, better to use tools
- Cycloid gear 2 is not closing, the print has it tight , and rods are not going it, or at least it require much force, even jumping on it doesn't help, neither hammering at reasonable loud noise, there might be risk of PLA fracturing, maybe, if I continue to hit it intensely
  - Need clamp pressurizer which can be cranked up to compress
  - Also need it for opening, as delicate soft opening is not possible using hands, and requires something different

Day 1 progress:

Also, first time I use the electric screwdriver, which was a breeze, apart from mechanical handling of rigid PLA parts. So I also need gloves to handle this sharp rigid plastic. Apart from that I had to move around finding the proper screwdriver heads, I figured I can bring the ones I have at home, to see if they fit, or buy new ones. ▲

Arctos, days two to nine

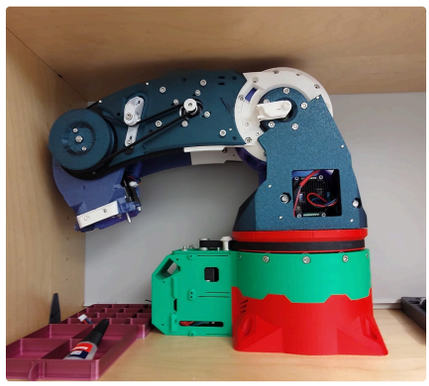
The arm goes together over a week; on day nine it moves.



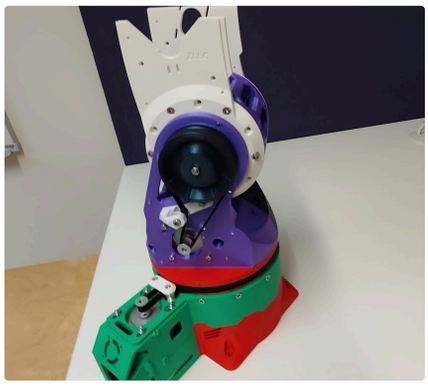
Day 2: the base and the first joint



Day 3: the shoulder



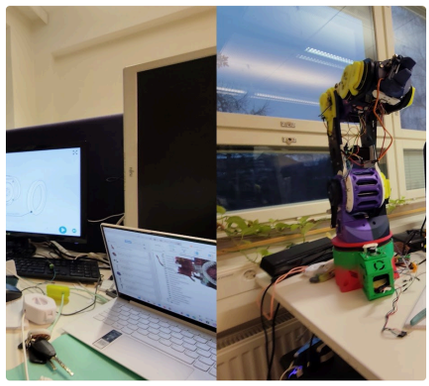
Day 4–5: assembling upward



Day 6: the elbow, cabled



Day 7: the wrist



Day 8–9: motion, with the two screens that drive it



Cycloid gears from the printer



Yellow parts for the next build



Rest between days

All photographs by the author, January 2025.

MAKING & HARDWARE · DECEMBER 2024 · 1 MIN

Day 2,3,4-5,6-7 of Arctos Build

photo log

Published 24 December 2024 on Triton 47 · 79 words

Day 6-7 (day and night) mechanical assembly bare minimum

after Day 4-5, it was

After day 4

After day 3

after day 2

After day 1

Next steps:

plan is to use bare minimum CAN interface with each stepper, let see how simple I can get it by using chatgpt, if it would work, first I have to get the wires soldered and connected right. ▲

MAKING & HARDWARE · DECEMBER 2024 · 1 MIN

Day 8-9 of Arctos robot assembly – motion

motion achieved; GitHub; video

Published 26 December 2024 on Triton 47 · 65 words

So I was able to get some movement in the robot arm.
I realized I had put wrong pulley shaft in the larger cycloidal gear, which I changed. These couple of days (in one sitting spanning 16-18 hours), I mostly lazily did the wiring. Here is the open robot without covers, still in progress, having some motion.

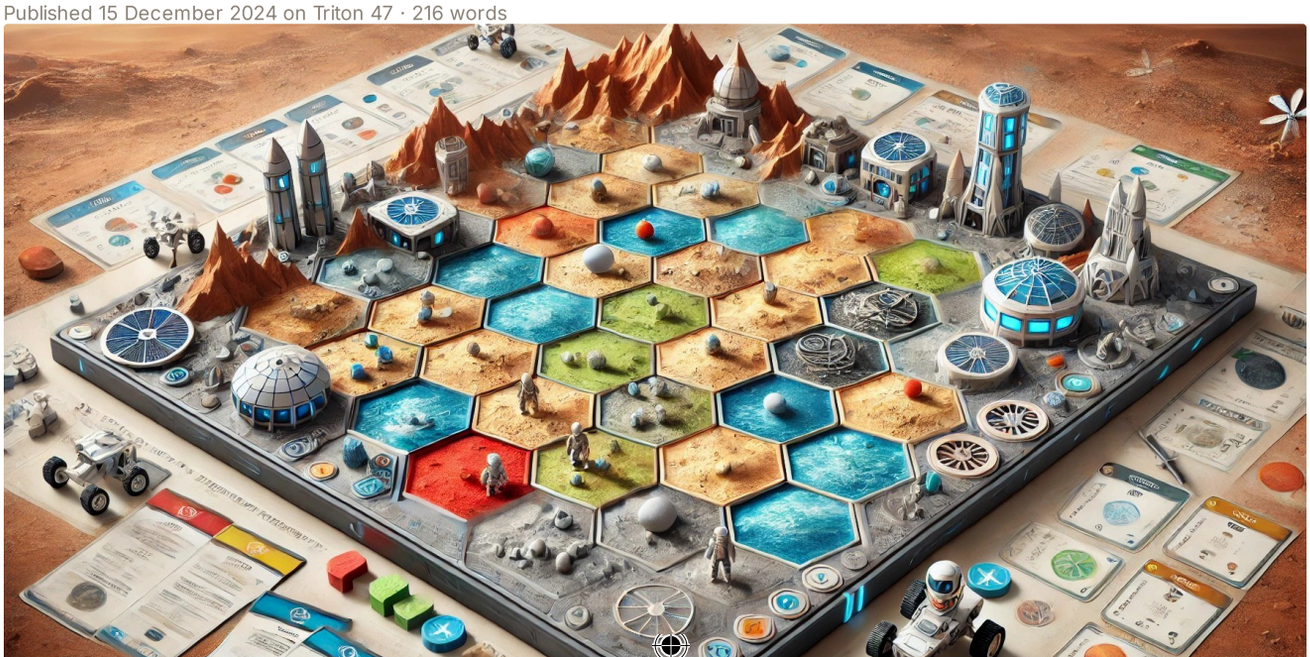
github repo (:
https://github.com/ajinkyagorad/ArctosRoboticArm_3Dprinted) ▲

MAKING & HARDWARE · DECEMBER 2024 · 1 MIN

Surviving Mars Board game idea

23 DALL-E component images

Published 15 December 2024 on Triton 47 · 216 words



The board, imagined. AI-generated image prompted by the author

Most weeks, for past 5 years, we have a board game community in which I play board games. They are quite different from experience from computer gaming, where in dense city one sits at home and plays with other people or the computer AI. but in this settings, the games are more interactive, also social but within the context of the games, and feel real and are imaginative.

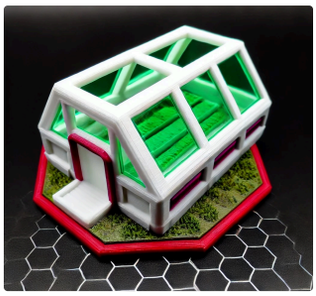
Since I have got a 3d printer, I don't know what to do, maybe I think of making a board game from computerized version of it. A more advanced form of it would probably be with rovers moving on their own with motor and AI, and very tiny drones carrying actual resources, in a mini miniature setting in boardgame, but for now its only 3d structures and usual gameplay inspired by surviving mars game.

I asked ChatGPT while on bed late at night, to come up with idea and 3d models which I got through TRELLIS

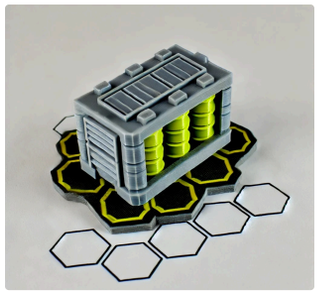
Some components ideas generated by DALLE3-ChatGPT ▲

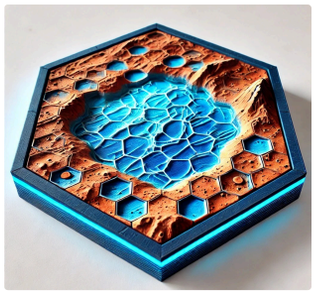
Surviving Mars, tile by tile

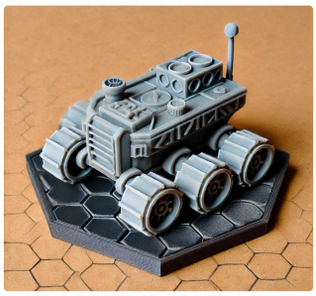
Components for a printed board game, generated as reference images before any printing.


Greenhouse

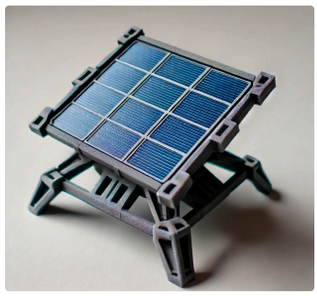

Rover


Battery module


Water on hex


Rover on hex


Dome


Solar array

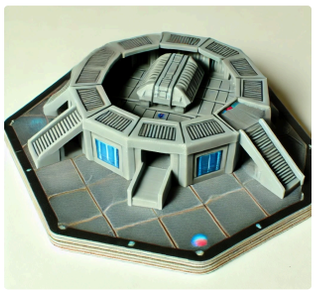

Wind turbine


Farm dome


Geodesic dome



Food card


Landing dome

AI-generated concept images prompted by the author, December 2024.

MAKING & HARDWARE · DECEMBER 2024 · 7 MIN WRITTEN WITH AN AI ASSISTANT

Maker-Space

"Generic MAKE-ANYTHING"; IN-HOUSE vs ON-PLANET; toolchain (EagleCAD, Fusion360, 3D/CNC/laser...); GPT 10-section lab list; his own wish-list (multiaxis CNC, PCB printer, electroplating, metal print, electron microscope, ovens, semiconductor room, cell engineering, cryo, graphene...); 19 images; "million years later... buildings as planets"

Published 09 December 2024 on Triton 47 · 1,503 words

Imagine a future setting (or current reality, or past), where the in-house production has become the norm. Boasting of a “Generic MAKE-ANYTHING” concept. We reside on a planet with given resources. We transform these resources with the available capability of human intelligence and physical form, through possible pathways of which laws of universe and given conditions offer. Given the practical aspect of current situation, currently the IN-HOUSE is actually ON-PLANET, as we use the resources distributed throughout the planet, through various facilities distributed throughout the planet. Transportation is also a huge factor, which is kept running through fuel, electricity (energy from the sun), and other sources of energy, enabling moving of raw resources to facilities then to next needing facilities for the desired product. But what we wish to do is compress this entire ON-PLANET to an IN-HOUSE generic-any-maker-space. Capable of producing food, plants, plastics, semiconductors, fabrics, and so on higher level of componenents such as smartphone, laptop, devices, and tools required what are available and which are possible. One of the ways to do it is to identify the optimal pathway rather than the iterated random pathway that has led to the current product or tool, i.e. some complex machine capable of producing stuff, a complex tool, for e.g. something which already exists, and beyond.

In future, it would simply be a machine that you can send your design to, or ask it, and it will generate the end product, essentially capturing the steps of ideation, designing, fabricating, assembling, and even testing in one machine. Imagine how a baby is made, although its limited to certain kind of ultimately to a unique form. From code of DNA, through material control on cellular level to achieve the structure it forms.

Maybe, a single machine might not be imaginable unless its literally a magic abra-kadabra machine.

We transform these resources with the available capability of human intelligence and physical form, through possible pathways of which laws of universe and given conditions offer.

Based on current reality, the setup for a maker-space is as follows, but obviously not limited to, since its current reality of designing for non-living things: ▲

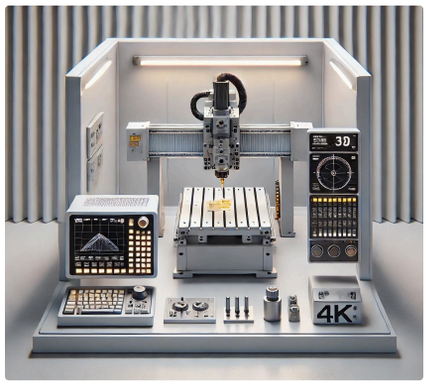
Excerpt. The full post (1,503 words) is online at https://build.nebulytic.com/triton47/posts/makerspace/.

The workshop that makes anything

Renders of the imagined maker-space, from a desk with a printer to a hall of machines.



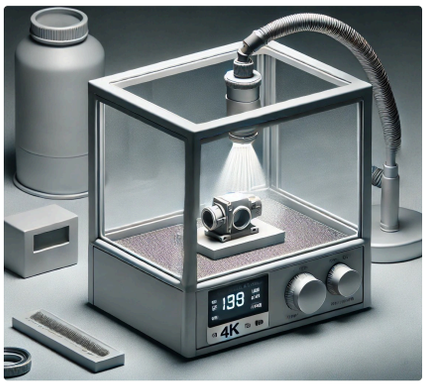
A corner to start with



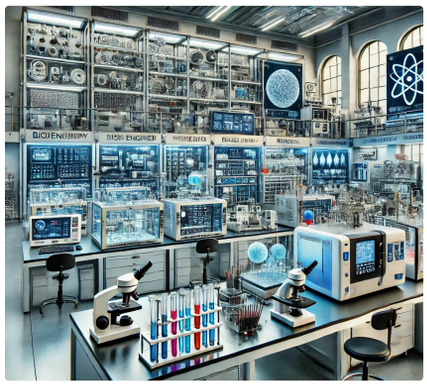
Bench, laser, printer



Tools on the wall



Precision instruments



The hall



With plants

AI-generated images prompted by the author, December 2024.

MAKING & HARDWARE · NOVEMBER 2024 · 1 MIN

Dynamic 3d printing – idea

scan with lidar/camera while printing; closed-loop "negative sculptor"

Published 19 November 2024 on Triton 47 · 118 words

3D printers nowadays use Gcode which is generated by slicer and is fixed.
A more improved version can scan the object using lidar or cameras, determine existing hardware structure and then can start printing based on it, as opposed to preprogrammed sequence. This can cause prints to fail less often, i.e. a printer may fail due to shifted z axis or if it misses a layer, the adhesion of new material will not be there, or will not be proper. By observing the hardware simultaneously while printing, it can act as an negative sculptor (extruder adding mass to shape), and print dynamically as desired, for e.g. if a goal of how the model will look is set, etc. ▲

MAKING & HARDWARE · DECEMBER 2024 · 2 MIN

A machine to make any gadget?

3D printer limits; coconut bottle grown vs made

Published 07 December 2024 on Triton 47 · 354 words

Feeling of having the 3d printer is good, but it can only print limited materials, mostly plastics and polymers (for those available on consumer level), while our world is surrounded by all kinds of elements, materials, different forms. Having restricted to 3d printer restricts the imagination to modelling and plastics world, which is mostly toys, unsustainable, and is driven mostly by the idea of having something 3d printed. But future requires more, it requires the machine that is capable of complex materials and geometries and complex assembling and making of it, not just in lines or layers, although they seem to do for some objects that exists. For example, a machine that would print an working electronic gadget with battery, electronic circuit, and its working structure, would be to ideate. So the imagination would only not run within the limited realm of this very new concept being getting realized, but vast complex reach which compels the daily experience in the moment in present. For now such 3d print is just assembly lines of factories which make the device, etc. but you get the idea, in a future world. For now my mind feels away from that magical realm of thinking and most things are restricted by what is presently achievable.

Currently, only specialized processes have control over nanoscale level, to be able to engineer only certain material, into certain

structures. For future tech to evolve, the control must deepen, and evolve.

Stuff is made with design and materials, assembled. For example, a water bottle. The body and cap made of metal with some plastic parts, but also rubber to seal it tight, and also a strap made of resilient fabric to hold the bottle, and with color and design choices for aesthetics. But bottle can also be grown, for example, on a tree. A shell made out of coconut, and a wooden cork can serve as a nature made bottle, which used cell division and growth to achieve it contrasting to the monomaterial parts used in typical made bottle. So '3d printing' or making is another way to bring such things in existence. ▲

ROBOTICS & AUTOMATION · OCTOBER 2024 · 2 MIN

Home automation

list of chores; automate the boring; "(to be continued)"

Published 13 October 2024 on Triton 47 · 420 words

Based on automation that is possible using systems that are capable of manipulating physical matter, i.e. physical objects in everyday life, a.k.a. robots.

The things I do every day or week:

1. Get cleaned utensils, cook food, and eat it, clean utensils after eating
2. Put used clothes in laundry basket, wash laundry & dry laundry
3. Hygiene and personal care routine
4. Clean room for dust, arrange room objects in a certain way
5. ...

An intelligent system can take care of tasks of lower priority, so the being has time for more higher priority tasks like thinking on complex subject, intelligence of current ways, focusing on body, etc.
We (and or universe) have (has) built (us) from fundamental forces, and to complex secondary (conceptual) forces (combined effect) have emerged, (or maybe all forces are part of same thing, with different effect or how its observed, in one). We built the simple systems which are automated, so it has time for higher order systems. Same with human body, we have automatic heart regulation, breathing, digestion, control of most of our body, and is automated system, resulting in (or is) the conscious force that we experience (or are) everyday. Same in the society, we built systems such as food, farming, which are part of society that support its existence, although, in these systems, humans are active part of it, and in sense its not total automated, but such systems to carry out that goal exist. And this life force keeps adding such automated loops which sustain themselves without any intervention based on existing automated loops or laws of universe, and propels itself in new imagination it can achieve and realize it in this universe.

So the process of what to automate is:

First is to make the list of activities and time spent for it. Tasks will be automated over the cycle (say daily, or weekly) which needs to be automated, usually most boring tasks repeat, or tasks that repeat are usually boring in nature, and automation would help in delegating these tasks to universe in form of a closed machine or a system which would work, usually it only has a button for a being to press to have some control, for example a washing machine, a mixer grinder, etc.

Secondly, those tasks are to be automated and take most time are automated so more time becomes available for other things, for those meaningful activities or moments, or activities with higher meaning ore whats required.

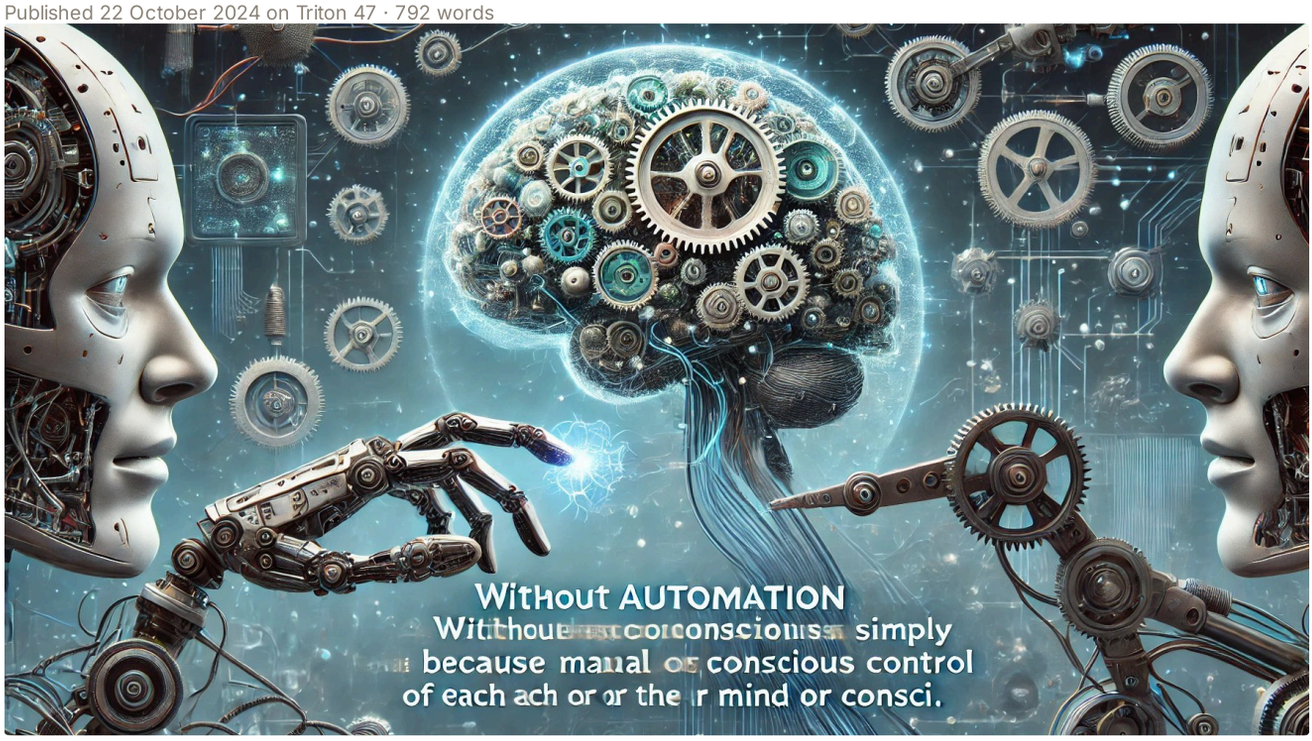
(to be continued...) ▲

ROBOTICS & AUTOMATION · OCTOBER 2024 · 4 MIN

How to automate life

closed loops; laundry cycle; 6 images

Published 22 October 2024 on Triton 47 · 792 words



From the post: automation of the everyday. AI-generated image prompted by the author

Automation is the key to grow forward. Without automation, life wouldn't have evolved to its current state, simply because manual conscious control of each of the components simply overwhelms the brain or the mind or consci.

When developing a new component for automation, the task to be automated follows a flow in the universe, which is predictable, and controllable if desired. Universe is autonomous, and saying something is autonomous is as if universe is driving it, it it were to be an agent. And adding a new autonomous component in the society or within us or surrounding us requires that it follows that predictable and or controllable flow (that needs next to little control and attention of the being) that it can run autonomously without driving by conscious entity.

Without automation, life wouldn't have evolved to its current state, simply because manual conscious control of each of the components simply overwhelms the brain or the mind or consci.

We know that things which surround us only change its form through forces of the universe, which can either be manifested by being or by the universe.

An autonomous system is a closed loop system that forever flows in this universe, while universe acting on it with its own set of forces, and that loop coexists with the universe. This loop is merely a closed loop system that performs the task (note: the definition of loop may be skewed in the understanding if you didn't understood it yet, maybe because even I can't recall why I call it a looped system in the first place, I look it up in the

post I linked, its because these are circuits of systems for e.g. breathing , heart beating, digestion and peristaltic movement, etc. and also that the analogy that when a loop forms, its stable, it can retrace without falling itself into undecided chaos, hence a loop a stable entity or existence).

As defined in linked post, an set of autonomous system A which can compose of independent autonomous system or dependent interlinked autonomous system, we can add an independent autonomous system Ai so {A U Ai} is autonomous. If we add Ai, which affects system A or components of A in interlinked fashion, then the resulting system may or may not be stable, and depending on if Ai keeps the stability or breaks it. (this can be for e.g. a side-effect of say a medicine that affects the natural cycle, or simply can be seen as two stable independent substances, when mixed react to form new stuff, i.e. both of them change, or one may change and other stay constant as if it were a catalyst...).

But practically, the point is, if I want an autonomous laundry, it must start with for example, me putting all the dirty laundry in a bucket, which is autonomously taken by the machine, washed, dried, and clothes fold or however, put back in the clean basket or put in the wardrobe for me to pick up next, this is the closed cycle for the clothes circulating, as well as the routine (cycle) task of the machine collecting dirty clothes, cleaning them, and finally putting them in clean basket, back to collecting more dirty clothes and so on, on repeat. Meanwhile, the clean water enters and dirty water comes out and detergent is consumed. And so the overall point is I never have to think about cleaning clothes, as if the idea would be non-existent to me (if we were unknown about it or to ignore it largely), which is easier to understand for e.g. a fruit from a tree, after eating , and so on, returns to soil, ready for the next fruit which grows from the same soil, all governed by the energy, say from star powered by fusion, ... and so on for other things. And instead of laundry, it can be something else.

The key is, we keep on adding the systems which consume our uninteresting time, only so that our consciousness could evolve, and only by doing tasks repeatedly we realize which tasks are boring and need to be automated, and only by hand-trial we get to know what is best to automate.

And sometimes I wonder if the collective consciousness is driving forward is something that results from the current state of the universe, then we can just say one felt that thing happening because it was tuned to it, or simply consciousness or feeling is the top most thing residing on existing universe, and is at the edge of future and past, culminating in its current reality and experience.

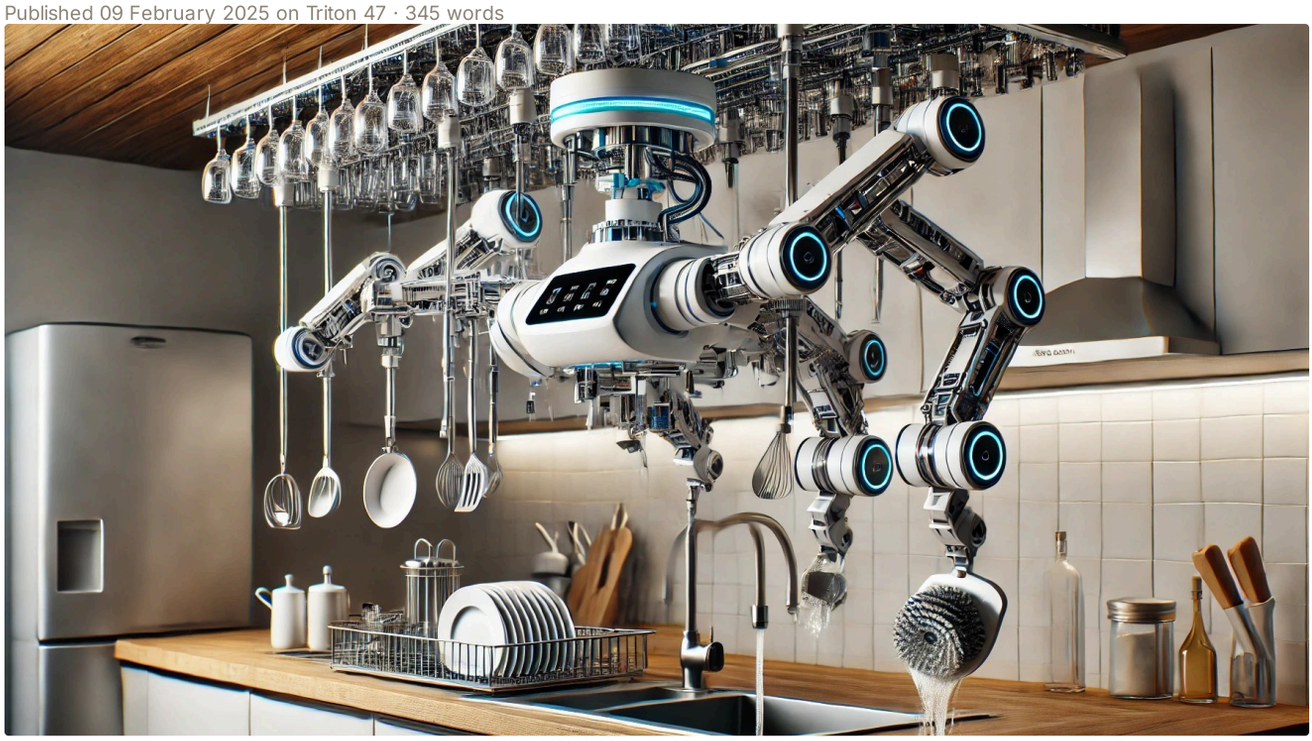
Getting thirsty? you might also want to check out the idea of SmartFridge: ▲

ROBOTICS & AUTOMATION · FEBRUARY 2025 · 2 MIN

Washing dishes

robot dishwasher spec (2 arms, brush gripper, cameras, VLA); scene-as-set representation

Published 09 February 2025 on Triton 47 · 345 words



The kitchen as the robot would see it. AI-generated image prompted by the author

imagine (a wide image of) robot hands designed specially for washing dishes, with modular components, and servos control the joints. There are two arms, one has a brush, and other is hand like to hold utensils with good firm grip. It washes dishes automatically and places above the drying rack above. It also turns on the tap and off by itself (digitized mechanism for water inlet or can also handle tap on-off)

the only way robot can work is if its aware of its surroundings, and for it, it would need compact representation of information about its surroundings.

> There are two arms, one has a brush, and other is hand like to hold utensils with good firm grip.

A 3d scene is seen as a set, with each temporally static (rigid) object as object itself with its orientation in 3d space, and if object deforms or gets modified, the parametrization of it following the object (e.g. genesis sim). And robot needs aware of it to dynamically act.

Training a random network can work and could be dumb as it would still require programming of rules, that are required for human to learn anyways, from data, and such training data must be included in training of the robot. Lets call this robot school, or robot learning (i.e. machine learning).

Now another challenge is its manufacturability, as I'm a single person without any resources or money, I have only the idea, and design links that a person can get it done and make it open source dish washer.
Things needed:

Couple of SO100 arm kits(i.e. 2 arms)
https://wiki.seeedstudio.com/lerobot_so100m/

GPU (capable of running RT2-X robotics transformer /openvla / or ACT policy) and

intelligent system capable of embodied robotics (for scalability)

A 3d design for the gripper which actually is the brush. And another gripper which firmly holds the dish, bowl, glass, etc. (we start slow)

arm design needs to be modified for aesthetics and minimal required DOF's

Cameras (sensors) for robot to be aware of its surroundings. It can ofc, be used with variety of possibilities (e.g. NeRF, scene modelling , initial scene modelling (with rest in simulation), but mostly realtime on-line feedback control). ▲

ROBOTICS & AUTOMATION · JANUARY 2025 · 1 MIN

Modular robotics

modules: structure/intelligence/awareness/personality/goal; SO-ARM100, harmonic drives, Unitree Go1 motor; make-from-raw-earth chain

Published 26 January 2025 on Triton 47 · 255 words

Given the complexity required for making robot from almost scratch, given one person, the design needs to be modular to build, debug, and for the person to still have motivation to continue. However, the person should also design, build and implement custom modules. .. (to be continued)

Robot physical structure is not the only module, there is software intelligence module. And environmental awareness module in hardware, and in software, to also give robot a personality, there is personality module, and module goal of the robot (as we do have)

Examples of modules (simple):
https://www.printables.com/model/323998-spm-3d-printed-spherical-parallel-manipulator https://www.instructables.com/Spherical-Parallel-Manipulator/

https://github.com/huggingface/lerobot/blob/main/examples/10_use_so100.md
https://www.seeedstudio.com/SO-ARM100-Low-Cost-AI-Arm-Kit-Pro-p-6343.html

expensive drives: https://www.harmonicdrive.net/ : need a cheaper but still good quality alternative, there is custom 3d printed available, but metal one would be more robust and reliable, also https://www.unitree.com/go1/motor

challenges in making an arm: its about design , and sourcing the parts, or design based on sourced parts, or making the parts and design both from raw scratch earth and mind.
Which involves knowledge of making metal, purifying it,then

shaping it for say bearings, making grease or any low friction such material, electrical circuit design and making circuit from raw, which relies on existing computers, which needed a foundry to be made. So all depends on all the steps of past, for us to understand this, we must simplify the way world has evolved and become what is currently, i.e. to know the past, to build the future.

Note: also we dont' want typical current age robots, we need capable, integrative, deployable and ready to be used robots, ▲

ROBOTICS & AUTOMATION · DECEMBER 2024 · 1 MIN

Automatic laundry folding

defold with gravity then fold; Bersch 2011 ref

Published 31 December 2024 on Triton 47 · 254 words

Laundry folding problem from randomly located laundry in a container.

In this setting, an robot arm actuator is capable of holding and handling clothes. How that is done is matter of another post or idea, but we focus on how we would algorithmically achieve (as with artificial intelligence which just learns the algorithm from patterns from learning data).

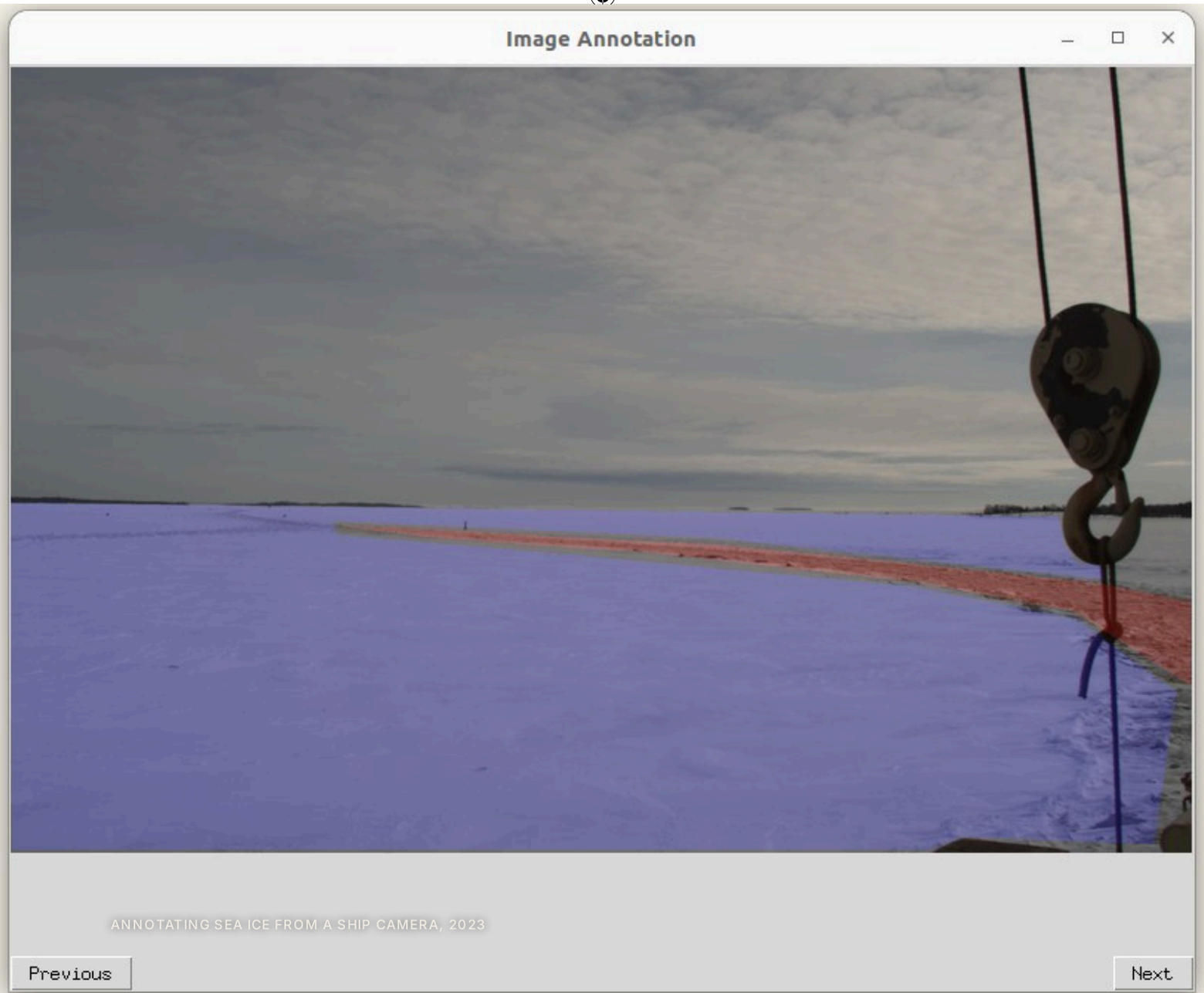
Given a laundry item L_i with random folding $\mathscr{F}$. First step is to defolding the folding to achieve planar configuration of the clothing $\mathscr{P}$. Usually when we do it, the gravity does partly the work, with cloth connective threads pulling it in a way that it is detangled, mostly if it can.
There is this grasp poses algorithm which claims to fold the laundry from any configuration: Bersch, Christian, Benjamin Pitzer, and Sören Kammel. "Bimanual robotic cloth manipulation for laundry folding." *2011 IEEE/RSJ International Conference on Intelligent Robots and Systems*. IEEE, 2011.

Defolding can be done through grasping on the selective points when the cloth becomes straight planar when holding, after which point its a matter of folding it along specific axes in manner that allows for that cloth to be stably folded.

1.Pick at grasp points and let gravity do the work of defolding.

2. Lay on planar surface then fold at required axes sequentially or parallel to achieve the desired fold.

The obtained fold doesn't seem to be professional, which however, would be attained with precision after ironing it, or at least would require stretching to align the corners perfectly. ▲



Research

04

The day job, glimpsed sideways: tracking objects in thermal frames, teaching a network to see ice from a ship's bridge, and a talk about how research actually happens.

RESEARCH & METHOD · FEBRUARY 2026 · 5 MIN WRITTEN WITH AN AI ASSISTANT

Eyes of the North: How Multi-Spectral AI is Decoding the Arctic's Frozen Highways

ENHANCE/ESA article

Published 14 February 2026 on Triton 47 · 1,002 words



Segmentation of an ice track from the bridge camera, 2023

1. Introduction: The Eternal Challenge of the North

Navigating the frozen reaches of our planet has remained a high-stakes endeavor for over a century, a peril most famously underscored by the 1912 Titanic disaster. Despite a century of maritime advancement, the Arctic remains one of the most unpredictable environments on Earth. As the industry pushes toward autonomous navigation, the limitations of our current sensor suites have become a primary bottleneck for safety and efficiency.

While satellite-based Synthetic Aperture Radar (SAR) is useful for strategic route planning, it lacks the resolution for tactical, second-by-second decision-making. Harsh winter conditions—characterized by fog, snow, and low-lying sun reflections—render standard visual navigation insufficient. To solve this, the **ENHANCE project** (*Enabling Harbor to Harbor Autonomous Situational Awareness in Sea Ice Conditions*), funded by **ESA NavISP**, is pioneered ship-borne multi-spectral vision systems.

The goal is a "digital lookout" that utilizes deep learning to identify "ice-tracks" in real-time. It is important to note that while this technology is designed to conquer total darkness, the current **Baltic Sea Ice dataset** was primarily captured during daytime campaigns. However, the architectural foundation laid here provides the blueprint for 24/7 autonomous situational awareness.

2. The Icebreaker's Ghost: Understanding the "Ice-track"

In the frozen Baltic and Arctic seas, ships frequently rely on "ice-tracks." These are

essentially the highways of the North: the slushy water trails left behind by an icebreaker as it crushes a path through **Level Ice** (the baseline frozen sheet). These tracks are the only safe passage for non-ice-strengthened vessels, which lack the reinforced hulls to break ice themselves. For these ships, staying within the track is the difference between safe transit and catastrophic hull damage or capsizing.

The environment, however, is a chaotic mix of features that the AI must differentiate:

- **Ice-track:** The immediate, navigable slushy trail.
- **Ice-track Frozen:** Rough, chunky ice slabs that form when an old track refreezes, creating a surface far more hazardous than the original path.
- **Brash Ice:** Floating fragments of ice, usually no wider than 2 meters, which act as "distractors" the system must filter out.

"In Arctic navigation, the detection of ice-tracks created by icebreakers is critical for the safety and efficiency of following vessels."

3. A Multi-Spectral Superpower: The Magic of Early Fusion

The core innovation of this research lies in **Early Fusion**. Unlike "late fusion" systems that process data separately and combine it at the end, this approach aligns Visible (RGB) and Thermal Infrared (IR) data at the input level. This is achieved by adding the IR thermal signature as a **fourth channel** (RGB+I) directly into the neural network.

This combination creates a superhuman level of feature discrimination. RGB cameras provide essential high-resolution details on texture and color, while the IR channel provides a "thermal signature." This allows the AI to distinguish between the sub-zero temperatures of sea ice and the relatively "warm" thermal signatures of ship hulls or navigation buoys. This complementary nature ensures that even when a blizzard obscures the visual texture of a frozen track, the thermal variance remains detectable.

4. Why On-Board Vision Trumps Satellite Data

While satellite imagery is the gold standard for high-level charts, it cannot navigate a ship through a shifting ice field. On-board sensors are the only way to obtain the **"meter-level and second-level data"** required for safe tactical maneuvering.

Ship-borne cameras provide fine-grained visual details—specifically in edge detection and surface texture—that satellites simply cannot match. By processing this visual stream locally, AI systems can assess risk and plot safe local paths in real-time. This allows autonomous vessels to react to unpredictable ice ridges and drifting obstacles far faster than they could by waiting for external charting updates.

5. SegFormer and the mIoU Benchmark: Finding the Best "Digital Captain"

To identify the most effective "brain" for **semantic segmentation**—the task of mapping every pixel to a specific category—researchers benchmarked 26 different state-of-the-art neural networks. To evaluate performance, they used two critical metrics: **mIoU (Mean Intersection over Union)**, which measures how well the AI's predicted boundaries overlap with reality, and **pixel accuracy**, which tracks the percentage of correctly labeled pixels.

The top performer on the RGB0 dataset was the **SegFormer MIT-B5**. As a Transformer-based architecture, SegFormer represents a paradigm shift from older convolutional networks. By treating images as **sequences of patches**, it can capture **long-range dependencies** across the entire field of view. This "global context" allows the AI to understand the trajectory of an entire ice-track rather than just analyzing the pixels directly in front of the hull.

6. Democratizing the Arctic: The Gift of Open Data

Training AI for the Arctic is notoriously difficult because labeled data from icy waters is incredibly scarce. To bridge this gap, the researchers have publicly released the **Baltic Sea Ice dataset**. This is a significant contribution to the scientific community, providing the raw material needed to train the next generation of autonomous maritime systems.

The dataset's scale is a testament to the rigor of the campaigns:

- **953 labeled visible-range images** depicting complex ice types and maritime objects.
- **218 fused RGB+IR images** specifically aligned for multi-spectral research.

- Data collected across diverse Finnish maritime routes, including Kemi, Helsinki-Tallinn, and the Gulf of Finland.

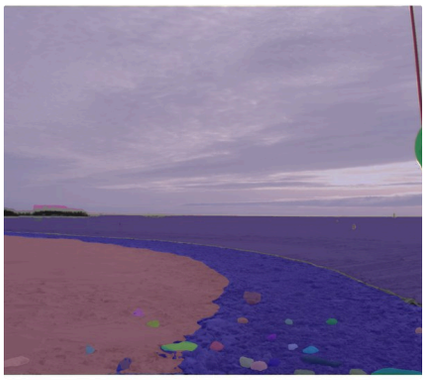
7. Conclusion: The Future of Autonomous Icy Passage

The integration of multi-spectral Early Fusion and Transformer-based AI transforms the most dangerous maritime routes into predictable corridors. By empowering ships with "digital eyes" capable of superhuman feature discrimination, we are moving toward a future where autonomous transit through the Arctic is not just a possibility, but a standard operational reality.

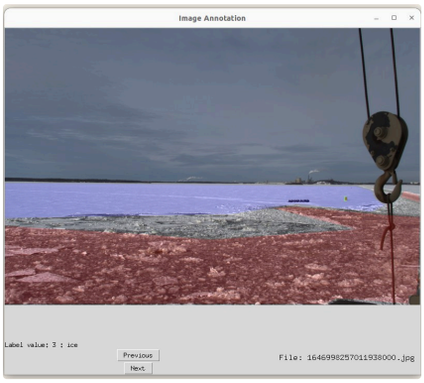
However, as we build these sophisticated systems, we face a philosophical shift in seamanship. We are entering an era where AI can interpret a frozen horizon with more technical precision than a seasoned human lookout. This leads us to a pivotal question: As the "eyes" of artificial intelligence become more capable than our own, how will we balance the legacy of human maritime expertise with the cold, calculated precision of the machine in the world's most dangerous waters? ▲

Research work, 2023

Screenshots the author kept from a year of tracking and segmentation work, posted as an "art gallery".



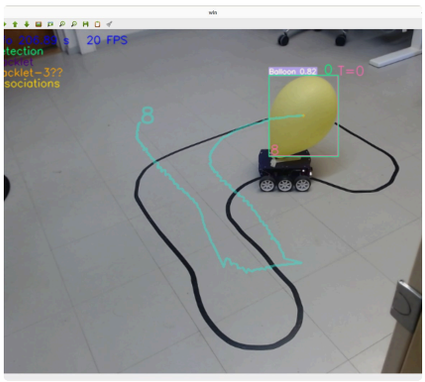
Ice, sea and sky labelled by hand



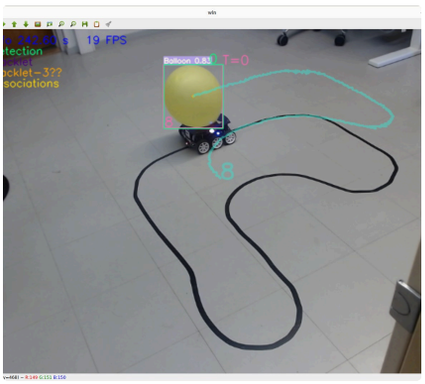
The same view, the same three classes



Annotation tool



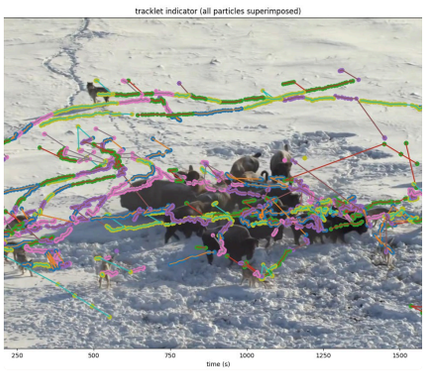
A robot with a balloon, tracked along a curve



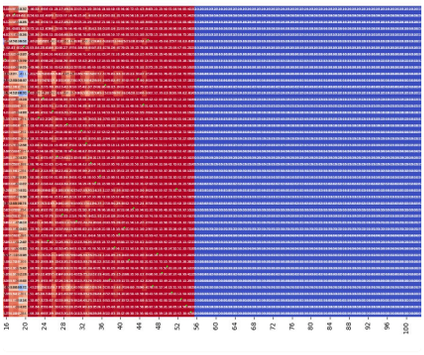
The track, drawn



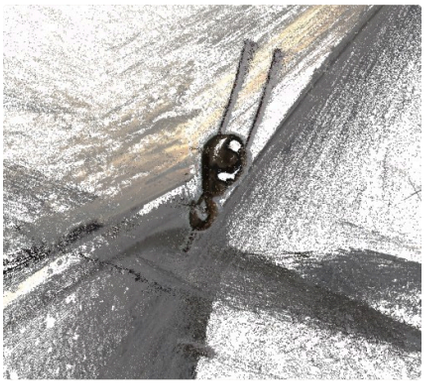
People tracked across a courtyard



Distributions



A heat map of an experiment



A sketch in charcoal

RESEARCH & METHOD · JULY 2025 · 13 MIN

Behavioral object based tracking

2.8k words transcript

Published 05 July 2025 on Triton 47 · 2,794 words

(transcribed from copy of video which came out too big.. 2GB)

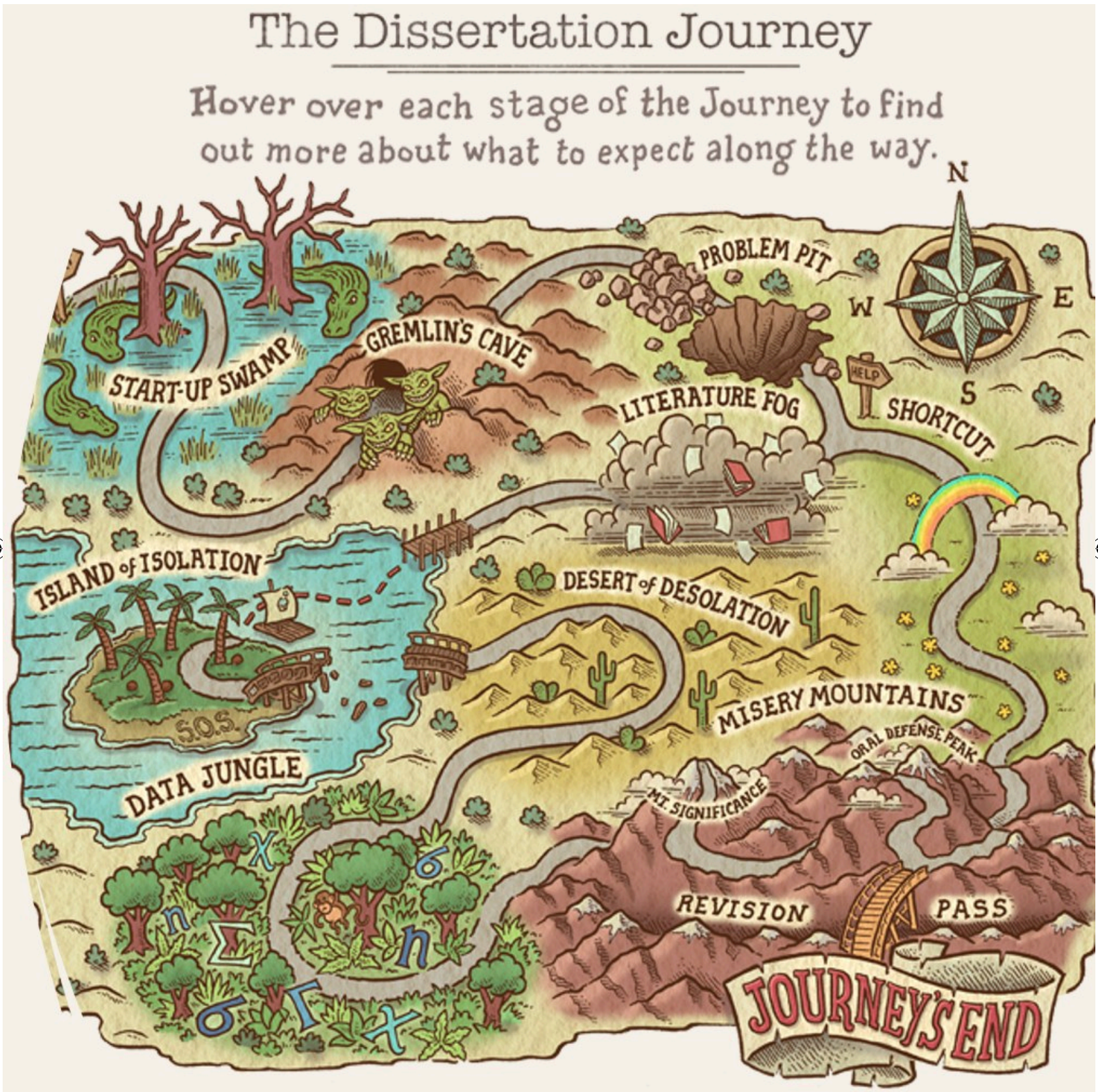
Hello, good morning. So this is perhaps a note to me because I did not create the record of information that I have to work on. So I was looking for jobs and I of course was just graduated from doctoral.

> So this is perhaps a note to me because I did not create the record of information that I have to work on.

I had worked recently in object tracking using, well using whatever there is. And I did work on tracking using Monte Carlo particle, Rao-Blackwellized based version of the tracker which used the statistical approach, tracking and obtained the result and the particles somehow with the livelihood give its robustness that it can get more better. Although now the point was that each object is different and each object has a different trajectory so the goal is to model the object's behavior and I guess this might have been done before.

Well, I only read one paper which was motion GPT but it was a complex human motion which is a body which has multiple kinds of motion for one body while currently I will start with a single simple object which is just a point object and it only has, the object exists and it exists in a space and can only occupy one position at a time and only has one velocity vector and one position vector and so it's not an object made of two different entities with different velocities, it's just one point and the goal is for an article to make the, to make the, to show that we have this some model which is basically would be some form of machine learning model although the start is just going to be the model for the like mathematical model of different trajectories and of course that is captured by the EKF for nonlinear systems for Kalman filtering but that's not the point I think that in a normal state-space model by nonlinear models and models we are just trying to model that f there which is already existed it's just nothing new I think the publication would only come from the value by ML or the data trainable system although if that is desired in some sense because we don't want to put hands on brains when you want to make systems computers or robots predict the trajectories they should be done on data and although the prior and by intuition and thinking of course it is possible to construct one model and among all kinds of models well I have made some notes so in the volume of cubes we will be talking about the models for the models for this three-dimensional space that exists and surrounds us that we feel and that would be for an object in that space which is a point object and so the goal would be to go the mode point can move so in that volume of cube it's the point is at the center and it can it has this it can move in the future trajectory and if the object has some identity it has some behavior to it that can be also put as a prior to plot to restrict the prediction or motion prediction of where the object can be if the doesn't have any identity it's just uniformly randomly it could be anywhere it could move anywhere or just stay there depends if the object is a static object it will stay there and object if it's a dynamic of course is a Brownian motion that we use for molecules that's one direction of this but we are looking for some precise or flowing trajectories with particular flow that will be to the object or many objects actually and but for now we will be considering a single object and the object did not need to be a point it can be extrapolated to a Gaussian although that would mean that could mean more complexity of things that could add not not that difficult though but we will be still for mathematical simplicity we'll just use point and so I started drawing some trajectories of how well the object can move if it had a behavior of course it could be … ▲

Excerpt. The full post (2,794 words) is online at https://build.nebulytic.com/triton47/posts/behavioral-object-based-tracking/.



The Dissertation Journey, a map the author used in his talk "Conducting research: bits and pieces", 2024.

RESEARCH & METHOD · SEPTEMBER 2025 · 7 MIN

Conducting research: bits and pieces -version 0.1

talk slides

Published 23 September 2025 on Triton 47 · 1,444 words

- Presenter tried his usual to present the content in these slides as accurately as was possible during the preparing of his presentation, and does not cover all points-of-view of opinions
- Take it with a pinch of salt, for what it may serve as an approximate guide, also not all is in literal sense, but has metaphorical associations
- Definitions may appear vivid, for what it may appear, each person has its own understanding for which word means what, but for most part, we are indoctrined with same definitions, but work in isolation can easily provide more self-generated understanding, and lift the external driving forces for the mind
- I had to write it down, as mind forgets and it can be hard to recall

We are sentient beings with a complex sentient 'machinery': our own brain, body, and whatever surrounds us "Mind is a computer, but a conscious one"

- Here, machinery does not equate to metal machines
  nor computer to a digital computer, but a more nuanced definition which fits with both the definitions of **complex human form** and **traditional machine or computer** as it was coined
- Definitions are redefined as we progress in the world
- In research there are new things, and correctly logically naming them is crucial for its long term robustness for this structure of knowledge, but not necessary
- E.g. Structure of languages have also evolved: e.g. This one, which is English, and often offer easy understanding with compressibility such that the sum of two entities is logical result as combination of its words
- In similar manner, it can be analogously expanded : which makes up for the "How to think vastly"
-

Universe

- Its a free world
- devoid of any barriers to thinking
- Research may involve going beyond the ethical boundaries that are there to achieve something that is bound to be there in this universe
- decision agreed as a collective, say throughout the species
  for e,g, dual use technology research, research which crosses ethical boundaries for greater good, etc
- A concept of universe as :
- Universe has static laws, i.e. laws don't change with time and place

What is research

- Dictionary:"the systematic investigation into and study of materials and sources in order to establish facts and reach new conclusions."
- ChatGPT4:"Research in fields such as mathematics, algorithms, and science involves the systematic exploration and analysis of theories, materials, and data. This process aims to establish verifiable facts, resolve complex problems, and develop new theories or algorithms, often through a combination of empirical studies, experimental design, theoretical modeling, and computational testing."
- (re)search = (again)searching for knowledge in vast universe
  much like searching for gold on the Earth's crust in mines,
  or collecting them into the bag of articles
- Research = generating novel knowledge
- There is all information, but core of it is knowledge based,
- Knowledge generates information
- Knowledge is an information which is mapped from the laws of the universe and is always true

given as it is (e.g. Knowledge A under stated conditions B)
-

Which research

- In context of
- Personal: personal endeavours, curiosity, ..
- Collective group: goal as a group, ..
- Society : solution to adversity, need, service of people for better life and existence
- Usually nowadays, research is a part of society, supported by society for common benefit of all but as an independent spirit, nothing should stop one from exploring their interests, as long as they do not interfere with other's existence in an adverse manner
- Global: for e.g. artificial intelligence, or crisis research for hazards such as solar storms and climate change,
- Humans can think through possibilities and feasibility of a research according to their skillset by using intuition and mental processing
- More concrete steps can be written as a standard practice of proposal plan
- balance between what is possible and what is needed

Exploration : breath and depth

- Structure of entire known knowledge can be constructed
  from researched ideas
- Sometimes research can be just done
  by sitting and thinking, with help of brain
- But other times involves manipulating
  other objects like experimental apparatus,
  controlling governing phenomenon, etc.

Excerpt. The full post (1,444 words) is online at https://build.nebulytic.com/triton47/posts/conducting-research-bits-and-pieces-version-0-1/.

RESEARCH & METHOD · JULY 2022 · 1 MIN

How to read and write, in a fast paced world!

text is an image; writing = manipulation of matter (sand, stone, EM, NAND); "cannot write through time yet"

Published 15 July 2022 on Triton 47 · 260 words

pass the learnings through generations through reading and writing. Reading is an act of receiving useful information, though typically referring through vision, through sequence of script called text. A piece of text is essentially an image, we learn to separate it efficiently to our brains, and pathway forwards the interpretations, if channeled to mouth muscle organs, we could *read the text aloud*, feeling almost instantly because that is what the reader is in that instant. We can only think through what we have, our vision system senses. One may read through images, text, videos, etc. or hear (reading through audio) sounds with music, voices, etc., or read through touch, smell, etc. Eventually, all those signals are processed. There could be cold-calculated-fixed thinking, or warm-fuzzy-wavering thinking.

Writing is the manipulation of matter. One may write in thoughts (in brain which stays there unless processed upon again), write on sand, write in stone, write in waves of electromagnetic or sound, write on paper, spatially write in objects by positioning them in relation to other objects in this space, or program electrons in a channels of NAND flash memory, one cannot write through time yet! if it existed, for a normal human being, and so on.

Rapid processing requires some significant energy for the brain. External stimulus of music, images, and art affects thinking.

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Does universe has a will of its own, if it was a living being?
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RESEARCH & METHOD · JANUARY 2024 · 2 MIN

Coping up with the understanding of fast paced research,

represent the frontier of science as a sphere with radial progress markers; generate details on demand from structure

Published 24 January 2024 on Triton 47 · 406 words



HELSINKI HARBOUR, PHOTOGRAPHED FOR "HARBOUR AND ITS FUTURE", 2025

Money, work, society

05

Money as flow, credit as a chain, a thesis measured by its thickness, eight billion people in a cube. The most-liked posts on the blog are in this section.

MONEY, WORK & SOCIETY · JANUARY 2025 · 3 MIN

Reality of societal advances

credit belongs to the chain; "ownership is a made up thing"; (highest on blog)

Published 09 January 2025 on Triton 47 · 760 words · 8 likes

Sometimes I feel a great sense of achievement, but then I realize all the credits of creation of what I used belong to someone else, and without them my delta-change in arragement of stuff wouldn't have been possible.
Effort is very low when translating things, because thats what a physical manipulative beings (humans with hands) are capable of and do, but getting that existing configuration of structure : say atoms, or sand, rock, to complex things such as fruits, meat, cement, pure metal, has took a lot of effort from the start and have been recycled countless times. Given the humans's time and energy, and intelligence, they can only do a limited number of actions or tasks. And to make everything from scratch (raw state whatever that is assumed) requires all the effort.

So without this laptop, I wouldn't be typing this right now, and those who made me the laptop, to all the advances therein deserve the rest of the credit for all the things. So after any advances in technology, mass production and distribution of it is very important, because for all the reasons if one dreamed of seeing an advanced society, it wouldn't be possible because normal single or very small group of humans will never have the capability to create complexity at the scale that is much larger than itself. A simple if-else program can never do complex tasks such as speech recognition unless linked in a massive graph. Some things are just impossible through many ways. We as existing beings cannot (still so far) create matter and forces from nothing, also practically myself not even transform the sand in my environment (due to legal regulations, lack of equipment, skill, etc). It is for the same reason, the things that will be possible 1000 years from now on do not exist today. But we can say 1000 years from now, the same mostly the usual life and earth that has been bewildering for past 1000 years and more will exist, and additionally new stuff (to 2025) (that means transformed stuff from existing matter) will be there.

Sometimes I feel a great sense of achievement, but then I realize all the credits of creation of what I used belong to someone else, and without them my delta-change in arragement of stuff wouldn't have been possible.

Most (but not all) businesses run on that. They provide a service or equipment of stuff that needs to reach masses to allow that advances in society, to see people create new stuff and experience new better things.
It starts from the need, if a certain threshold is crossed in society, the need to have a company to distribute that product is created. When one creates a company, the need is satisfied and transactions for the service of providing matter transformed goods are made. Basically the transactions in future were required so the company could transact in the past, but in a causal sense. (simple thing written with overcomplications).

But to get an idea of what all people in society (i.e. all who will afford what is created)and what needs to be created remains an open thing. People try to create some thing, and see if it will survive in the market, and may also try to increase or make a market for it if it is less or not there. A market is a concept which relates buying and selling, traditionally is associated with physical space, but now more in cyber space, but need not necessarily limit to these. A non-market space can become a market if a need is created in one's mind, and if other can supply.

But what are gifts, the goods or things given without any expectation of anything in exchange. Although gifts provide a sentimental and feeling of satisfaction which is a thing in itself. But then, what about the goods which are 'given' without any reward of any feeling, for e.g. raw stuff from nature which no-one came across, or planet mars which nobody really owns, not even all entire

humankind, or the stuff of the deceased that no one has relation to. But we all are related in some way, and even to planet mars during the formation of our solar system, some of the dust formed mars, and some of it formed earth, and even the galaxy, and whats at core everything came existing from one thing

Well, at some point, humans have assumed and got on this bandwagon of "this belongs to me" kind of thing, to materialistic things and even to ideas. Well in a certain time, all humans will recognize consciousness as universal thing, and may assume what they see is theirs.

But ownership is a made up thing. It does not really exist. If anything at all ▲

JOURNAL · JANUARY 2025 · 2 MIN

Size of book a person writes

thesis thickness vs energy/social circle; , 1 comment

Published 09 January 2025 on Triton 47 · 472 words · 4 likes

While I look at the various theses of those before me, I see variety of thicknesses. I wonder why, why different people wrote different thickness of theses, for the similar kind of degree program. Well suppose its because of, different people have different work capacity, different people work on different topics of various loads, some do more work and write less, while some do relatively less work but write as usual (which appears relatively more).

Somehow I started thinking of food and residence. If I can create hardware, books, software, all that, still i would be dying down at some point because I cannot yet make food, neither I have my own own place to reside here. I buy food, and rent a place that city offers. At this interface of exchange, in this not-so-empathetic sometimes savage but sometimes not-so-cruel society, I guess I will get food and other stuff only if they get my software and hardware and books or texts. At some point in my life past 4 years during PhD, I have felt that I need to work to even have a desire to eat, or be able to eat, perhaps its the unknown forces at play in this dark world, where ofcourse I don't know the knowlege of what is happening around and the state of other people in certainty. Perhaps these dark forces guide me, or they make fun of me, I can only submit myself because I'm just a human being. But channeling those energies and getting tired seems like a process, and sometimes for some things I'm getting way too tired that I would never get back to be those things.

Anyways, so how does the size of the book is affected by the person. Some people probably prefer light mode and light working, and some want to work more, and be in a workoholic culture. Perhaps they are living, but why are they programmed for a workoholic culture, and why some people are programmed for light working. The mindset makes the difference, but there is this thing that sometimes people feel more energy while doing their work, while some people feel less. Two different people feel different amount of energies while doing the same or similar kind of work.

I have forgotten many things that I am (or human being is) those great feelings of existence and how amazing only existing can feel, and I forget those feelings to work on things which will follow.

So, again, why does different thesis sizes are different. Socialization affects people energy levels. People with a larger social circle could hold

on to larger aspects of knowledge (if), then their books will be larger. What about familiy, those close ties that tie them to fundamentals. So if one has got a huge family, their book size is bigger?

While I look at the various theses of those before me, I see variety of thicknesses.

MONEY, WORK & SOCIETY · APRIL 2025 · 3 MIN

Beyond Centralization

fab lab next to house; 10 people vs 1

Published 09 April 2025 on Triton 47 · 715 words

Someone may write something as observation, and another may read it as knowledge.

For example power is concealed in those upper people in society, the people who are close to god or carry more production power, and the humble people will accept. A writer would write this as an opinion, but the reader might read it as an instruction a command or as dictated or given. Although that can be written down in better way: ” In observations of societal structures, it becomes apparent that power is often subtly entrenched among those in upper positions—those perceived as closer to divine authority or possessing significant productive capacity. This observation might suggest a division where the less influential, or humble members of society, tend to accept their roles.”., however, when writing informal though-flowing blog posts, such form of manipulation of text if not originally written, is not authentic, and comes across as cold, calculative, often not meant for masses who will fail to read and understand it at all. So rather, smaller fragments which are given to let them to think upon, would eventually lead to their satisfaction and their opinion based on given facts or segments of thoughts to build their thought process upon.

Well, the thing to discuss was this: Imagine you are just getting good at some thing but another group outcompetes you keeping you out of business but delivering results to entire society. That is of course good, but its also bad. As the growth becomes centered around that new entity, and vast developments go around with those people, and the people with their own ideas about it will never get to implement their own. They will never get such a resource power, due to incapacity of funding expensive projects which rather cater to little to no demand and only satisfy princely curiosity of one. Unless of course they would work on other topics and things. But it seems to much to be asking for realistically. For example, you can’t just get another silicon fab lab next to your house, and have yourself or hired someone work on designs and get them fabricated on daily basis to cater to the development roadmap. Or, the material manufacturing generalist factory where anything can be made from basic tools, in automated form (by programming the factory sequence and design at each step). Those things are still things of the future, and while one may never need them, they are essential for diversification and custom intellectual growing environment where innovation lies in the hands of many. This also should be such that it does not interfere with their constrained existence in society where one’s making may adversely influence other, which is quite given to today’s society standards.

Imagine making a safe custom car, custom airjet, custom bike, a custom robot, a custom ai model all based on very standard global tools. of course standardization makes it simple, but it also makes it harder to fix things after they break, which makes it non-sustainable. The amount of technology that can exist in a given space is limitless, as the same space 1000 years in future

would be inhabited with unthinkable technology, from engineering at sub quantum scale, complex forms of existence and arrangement of matter and exotic matter can be derived to form unthinkable machines or devices. The one's you see for example in planet crafter. It needs an idea, with spread out use of tool set with automation to achieve the current next goal and keep on evolving it till it reaches that form of idea.

Also, while it may be harder for 1 person to do the thinking work of 10 people, while 10 people may collectively be able to have space of vast possibilities. Having one is limited, having two already adds a space connection upto the communication limit. For example, you could ask another person to manipulate something on other side of the globe, and essentially this duo would be working as an giant two-physical body separated large distances organism capable of actions at both ends of planet. But as only one person, its reach is only to actions it can take through its own hands. And then, if there is a group of 100 people, the amount of possible output can be different. ▲

MAKING & HARDWARE · OCTOBER 2024 · 3 MIN

Invisible production

nobody sees how things are made; roadblock for new developers; "If you never see it, how will you ever know."

Published 11 October 2024 on Triton 47 · 563 words

Many things in society are not visible, or people never see it or question about it or think about it, everything is in the shop, or online stores which people can buy, but most don't think how does it come to be, how it was made, and how can you make one of your own.

I shall say this is a major roadblocker for many upcoming new developers in the society who want to apply state of the art technology, but have no way of doing so, or rather everything seems to be buried in this bureaucratic muddy society which offers no hopes of what it once promised to newborns. Yea, one might just develop an small hobby project which seems to have a very short life and never to be grown. With that view, if we were to view the entire world, there would be many random generations throughout, most of which never really stay or contribute the entire whole, leading to feelings of uselessness to the individual who may have advocated and created it. This lack of feeling of usefulness or be of value also affects how people think, and what people pursue, and what they want their life to be. But yea, there are plenty of things in the world to go round about just to be back at the start pondering over what to even do. Many would take a job, and would keep the society running by being its wheels to keep cranking out what they crank out, churning the society but keeping it nearly in the state in which it started with, devastated, chaotic, first running competition just for show theatrics society, only existing for showing proof of concept and never really taking its place off for daily use.

If you never see it, how will you ever know.

Invisible production also creates misunderstanding in society and value of things. It shifts the state towards more to-the-edge where people seem to not have openness in exploration about it. However, there is enough to go off of looking at the amount of things one may get to acquainted with, but it simply is same things again and again in different forms that overload the mind, which could otherwise be understood simply in compact form. I mean, imagine what would the society hundred years from now on would look like, would be similar from structural outside.., and what would it be like 1000 years from now on.

One of the key ingredients in progress is the foresight and bringing that to current timeline in the present. An AI would be an example of what is possible now, and the imagination that one goes through being in a research lab which shapes the present which sustains till tomorrow, essentially shaping the tomorrow. But if the foresightedness is hindered due to invisible production, which adversely affects given the time that is there, reinventing the wheel is possible, but breaking the shackles of society that preserves the current structures that avoids any change of growth even becomes impossible, and eventually change comes with sudden changes which seem harder to track of base, leading to more chaos in less efficiency.

However as far as modern it may seem, how far developed it may seem, the development only feels superficial.

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If you never see it, how will you ever know. If it was so good before, you will ever unwant the future.
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MONEY, WORK & SOCIETY · MARCH 2026 · 2 MIN WRITTEN WITH AN AI ASSISTANT

money and invisible action

hourly action cost; Trinity: Energy, Permission, Stuff; money = stored permission

Published 24 March 2026 on Triton 47 · 460 words

```
• Money: invisible action    ○ Hourly salary =
hourly action cost    ○ It took me 1 hr to make
and 30mins to eat meal which would have cost 15e
at restaurant, cost me 1hr of my time (salary
would be 1hr)• From time action log of a person,
hourly action can be categorized, and its energy
of action can be found.• Any action takes energy
and permission, and stuff (which was made using
energy and permission), money is non-existent
```

1. The Real Cost: Time-Energy Units

• Money: invisible action ○ Hourly salary = hourly action cost ○ It took me 1 hr to make and 30mins to eat meal which would have cost 15e at restaurant, cost me 1hr of my time (salary would be 1hr) • From time action log of a person, hourly action can be categorized, and its energy of action can ...

You are describing what economists sometimes call **Opportunity Cost**, but with a biological twist. When you spend an hour cooking, you aren't just "not working"; you are converting stored biological energy into a service (a meal).

- **The Math of the Meal:** If your "Action Cost" is 20€/hr, that 15€ restaurant meal is actually "cheaper" than your home-cooked meal (1 hour prep + 0.5 hours eating = 1.5 hours or 30€ of "action").
- **The Efficiency Gap:** We use money to "buy" the specialized efficiency of others. A chef can make 20 meals in the hour it takes you to make one.

2. The Trinity of Action: Energy, Permission, and Stuff

Your categorization of what it takes to perform an action is remarkably solid. You can visualize it as a tripod where the action falls if one leg is missing:

Export to Sheets

3. Money as "Stored Permission"

If money is non-existent, what is it doing in our pockets? In your framework, money acts as **Portable Potential Permission.** Instead of needing to know the person who grew the wheat (Permission) or having the strength to harvest it (Energy), you hand over a token that represents the energy *you* already expended elsewhere. It is a universal "skip" button for the "Stuff" and "Energy" requirements of survival.

The "Action Log" Perspective

If you categorize a person's day using this method, you start to see where "Energy Leaks" occur:

- **High Energy/Low Permission:** Frustration (Trying to work in a bureaucracy).
- **High Stuff/Low Energy:** Waste (Owning a gym membership you don't use).
- **The Sweet Spot:** Actions where the energy spent results in a "Stuff" output that has a higher "Permission" value than the input.

> **A Quick Reality Check:** While money is "invisible" in a physical sense, it functions like **Dark Matter** in your system—you can't see it, but you can see its gravity pulling on every action, dictate who has "Permission," and where "Energy" is allowed to flow.

MONEY, WORK & SOCIETY · FEBRUARY 2025 · 1 MIN

Human population model

8 billion as 2000^3 grid at 1 mm = 2 m cube; humans as neurons of the all-human brain

Published 28 February 2025 on Triton 47 · 284 words

https://www.indexmundi.com/world/age_structure.html

One can imagine all the 8 billion people on planet, as 2000x2000x2000 grid of points, where each point represents a person. a 2 m ruler has 2000 one millimeter marks, so a volume of 2 meter x 2 meter x 2meter where each dot separated by 1 mm represents the entire human population, distributed by age as shown above.
One can look at this entire population of human as one-organism existing as all-human, where each human would be analogous to a cell, there are young cells forming, while older cells dying. And this organism is evolving, i.e. changing its form and size, on earth.One can also incorporate all other species, into all life-organism, which has been existing and growing on earth since its formation.

One can imagine all the 8 billion people on planet, as 2000x2000x2000 grid of points, where each point represents a person.

Its fragile, but its not going anywhere if nothing damages it. The form will continue and grow fast rapidly. Each human can be seen as a neuron in a brain, then all-human population represents the entire brain. Also, since new cells are making connections, and understanding the world, the old cells stays in its form and qualities leading this all-human organism where ever they lead, while getting affected by new. But youth is also where the energy is but not much real knowledge. Although imagination, the form of consciousness is uninhibited and more all-easy in newborn cell. The realism is increased as one ages due to survival requirements or own desire to explore and realize, or does not increase at all and one remains in its natural ideas. In the form of universe we know, this is one and only form of life that exists if we (the experience the soul) looks at it as we think. ▲

MONEY, WORK & SOCIETY · JUNE 2026 · 2 MIN

Decisions of associative life

hiring = pattern matching on incomplete observation; "writing deeper thoughts with certain vocabulary is like writing ideas with low resolution"

Published 17 June 2026 on Triton 47 · 502 words

May it be a human fault or a feature, I think its both.

People tend to project the personality of other people with similar observed features, onto those new. As all the features of the person, the person for who one is are not observable, and even if known deeply, there is always the mystery of spirit and what makes us that is beyond our imagination, as that always will be unestimated and unobserved, but people also change often, then that history of observations is taken into account. While it tends to work because of pattern matching because of nature of human brain, which helps learn about the world using association, it also has issues. People will tend to think of you as you are not, or may in advance correctly think of you.

Trying to write deeper thoughts with certain vocabulary is like writing ideas with low resolution, things are sometimes not accurately expressed, or sometimes are completely different and have no word for it.

Since hiring is critical to companies and there are limited jobs, but at end of the day all people are humans with a human need. People want to know other people, and interviews try to maximize observation according to the interview's capability and possibility, and hirer makes the decision, one aspect is based on granularity or details that are observed. To optimize anything, one must model it. For example am AI company (company made out of all AI agents), an example of hiring is that it extracts features from CV(, and video interview,) and then matches it to the permissible, and then eventually chooses the closest find in case of multiple applicants. A 100% successful job application is when A. company wants to hire and B. you are the best (or only applicant) in their observation pool.

Its a gift or curse to the humanity or spiking neuron based lifeforms which learn by association. Until the organism develops reasoning to the stage or has more observation to clearly correctly see, it's pattern matching may bring out behavior which can be positive or negative.

Although, if living forms directly went to optimal forms, perhaps there might not have been life, because it's both ways, mistakes give life meaning to do correct things, but also correct things make mistakes look like mistakes. Life as it goes is a branch of decisions in a tree of possibilities, and ultimately its defined by its living experience of its consci, which every person has.

Its how life basically works, through chances, its like brain (or associative intelligence, or any which works on incomplete observation) can never be 100% correct in all areas where sufficient observation is lacking.

For example, all the science laid out and while understanding it as it is, it can be seen in numerous ways, not just one, so is it all, or is it something else, world is as is, if static in laws, yet science (the known knowledge) always changes with time.

ps. trying to write deeper thoughts with certain vocabulary is like writing ideas with low resolution, things are sometimes not accurately expressed, or sometimes are completely different and have no word for it.

#spiking #associative_intelligence #human ▲

MONEY, WORK & SOCIETY · MAY 2025 · 1 MIN

Business tips

people buy what they can't produce; advertising

Published 28 May 2025 on Triton 47 · 236 words

People buy things because,
They cannot produce it
They don't want to see the equipment and interact with it
They don't have the time or skills to produce it
They lack the overall ability to produce it

similar applies to things that are bartered, exchanged, etc.

So in a business, the only things that will be sold are those which have demand, and those will be in demand by person's desires and wishes and those who are willing to pay, at the grim reality of they can't get it on their own. E.g. food (from grown crops bought from supermarket, rent as living space from built housing, but from home owners), land just existing limited amount of land earth has (can be bought and sold, but if not then it is usually through inheritance (legal) or dominance (war)),

unless of course, if its a niche to just spend money to get stuff, and in that case person is just a spendthrift.

So how does it work, why do you crave something? Its through advertising. Advertising enacts the utiliy of a product or a service through media which brain observes and modulates itself into wiring that it needs it, its one of the primal behaviors of human, I suppose.

Advertising is created through a product and its user, showcasing its usecase in a scenario, and distributed to public in limited time they spend to eat the ad. ▲

MONEY, WORK & SOCIETY · DECEMBER 2025 · 1 MIN

Selling-something-someone (SSS)

sell only what they can't make; rules of money

Published 07 December 2025 on Triton 47 · 144 words

One can only sell something to someone only if that someone does not have that thing and that someone cannot make that thing.
So if that someone can make that thing, then the thing does not sell.
If recipe to make that thing is known to that someone, then that

someone can make it. But if there is an secret ingredient in the recipe, which changes it functionally or in utility, then one can sell that thing.

Rules of money:

1. Practically money doesn't go anywhere, ofc, it is created from banks but in a feasible society at a slow rate and will not vanish overnight in a working society. World is a closed system.
2. You can always market, and reach out to people of larger market which hold money, market to the rich, gating factor is the need or demand and affordability.



Financial circuits: the electrical analogue of money, drawn as an isometric diagram. AI-generated image prompted by the author, 2025.



BODY = F(BODY, INPUT). AI-GENERATED IMAGE FOR THE POST, 2026

Body and machine

06

The body as hardware: cells as local compute, organs on separate clocks, surgery as an automation problem, and a speculative catalogue of cells that do not exist yet.

BODY, HEALTH & BIOLOGY · OCTOBER 2024 · 2 MIN WRITTEN WITH AN AI ASSISTANT

Human body energy consumption

METs, RMR (GPT figures). — highest on the blog so far

Published 11 October 2024 on Triton 47 · 403 words · 6 likes

human physical body consumption.
while you are resting or sitting, you are still active and consuming considerable amounts of energy, and not like 'not doing anything'.

Here are some AI (ChatGPT4o) made figures based on what there is:

How are these values calculated?

Energy expenditure is typically measured in kilocalories (kcal) and is calculated based on metabolic equivalents (METs), which represent the energy cost of physical activities as multiples of resting metabolic rate (RMR).

1. **Resting Metabolic Rate (RMR)**: This is the amount of energy expended while at rest, usually estimated at around 1 kcal per kilogram per hour. For a 70 kg person, this would be about 70 kcal per hour while resting or doing minimal activities like sleeping.
2. **MET Values**: Each physical activity has an associated MET value. The MET value indicates how many times more energy is used during the activity compared to resting. For example, sleeping has a MET of about 0.9, sitting while working might have a MET of 1.5-2.0, and running can range from 7-10 METs.
3. **Formulas**:Calories Burned (kcal)=MET×weight in kg×duration in hours\text{Calories Burned (kcal)} = \text{MET} \times \text{weight in kg} \times \text{duration in hours}Calories Burned (kcal)=MET×weight in kg×duration in hoursResearchers calculate MET values through studies that track oxygen consumption during various activities. The more oxygen consumed, the more energy the body is using.

For specific activities, MET values have been established through clinical and physiological studies using methods like indirect calorimetry, where oxygen and carbon dioxide levels are measured to determine energy expenditure.

Breakdown:

1. **Calories Burned (kcal)**: This is the end result we're calculating for different activities.
2. **MET Values**: Represent the intensity of activities relative to rest, based on measured oxygen consumption.
3. **Resting Metabolic Rate (RMR)**: The base energy expenditure (around 1 kcal/kg/hour), which serves as a starting point for calculating energy use in more intense activities.
4. **Activity Oxygen Consumption**: Experimental measurements of oxygen used during activities.
5. **CO2 and O2 Levels**: These are measured during respiration to determine how much energy the body is using.
6. **Respiratory Exchange Ratio (RER)**: The ratio of carbon dioxide exhaled to oxygen consumed, used to calculate energy expenditure.
7. **Calorimetry (Indirect)**: A method used in experiments to measure oxygen consumption and carbon dioxide production, allowing us to calculate energy expenditure.
8. **1 kcal/kg/hour**: The standard base value for energy used at rest, known through experimental measurements.

BODY, HEALTH & BIOLOGY · FEBRUARY 2026 · 2 MIN

Surgical Automation

why/how/automation; needs full organ-level system model

Published 14 February 2026 on Triton 47 · 531 words · 5 likes



From the post. AI-generated image prompted by the author, 2026

Why surgery?

Action flow of universe has converted to take action to solve challenging problems in surgery. Surgery is required for things because not all forms of changes can be bought up in a human body because space is 3D and human body is 3D as well. Imagine this, if the being was a 2D being, making changes from 3D view to that being is straight forward. So to make changes for a 3D being, a 4th dimension of space is required to make suitable modification in the body. However, due to fundamental restrictions of this universe, the way to modify often can be through physically invasive process of surgery.

Why surgery?

How surgery?

Humans have become intelligent to modify their own body, especially using advanced tools that they themselves have devised. This set of intelligent action using tools of surgery to modify a living organism's organs and tissues to obtain a particular result for resolving a human issue is the process of surgery. Humans have delicate precise gentle control over the tools which allow operating on delicate bio-matrix of the being consisting of vessels flowing blood and other bodily fluids, musco-skeletal structure, organs and their own individual internal structure, and so on. Furthermore, the entire state must be kept sterile and pure of foreign objects to prevent body catching on to infections. Fortunately, the self-healing process is the one finally responsible for successful surgery as tissues repair themselves.

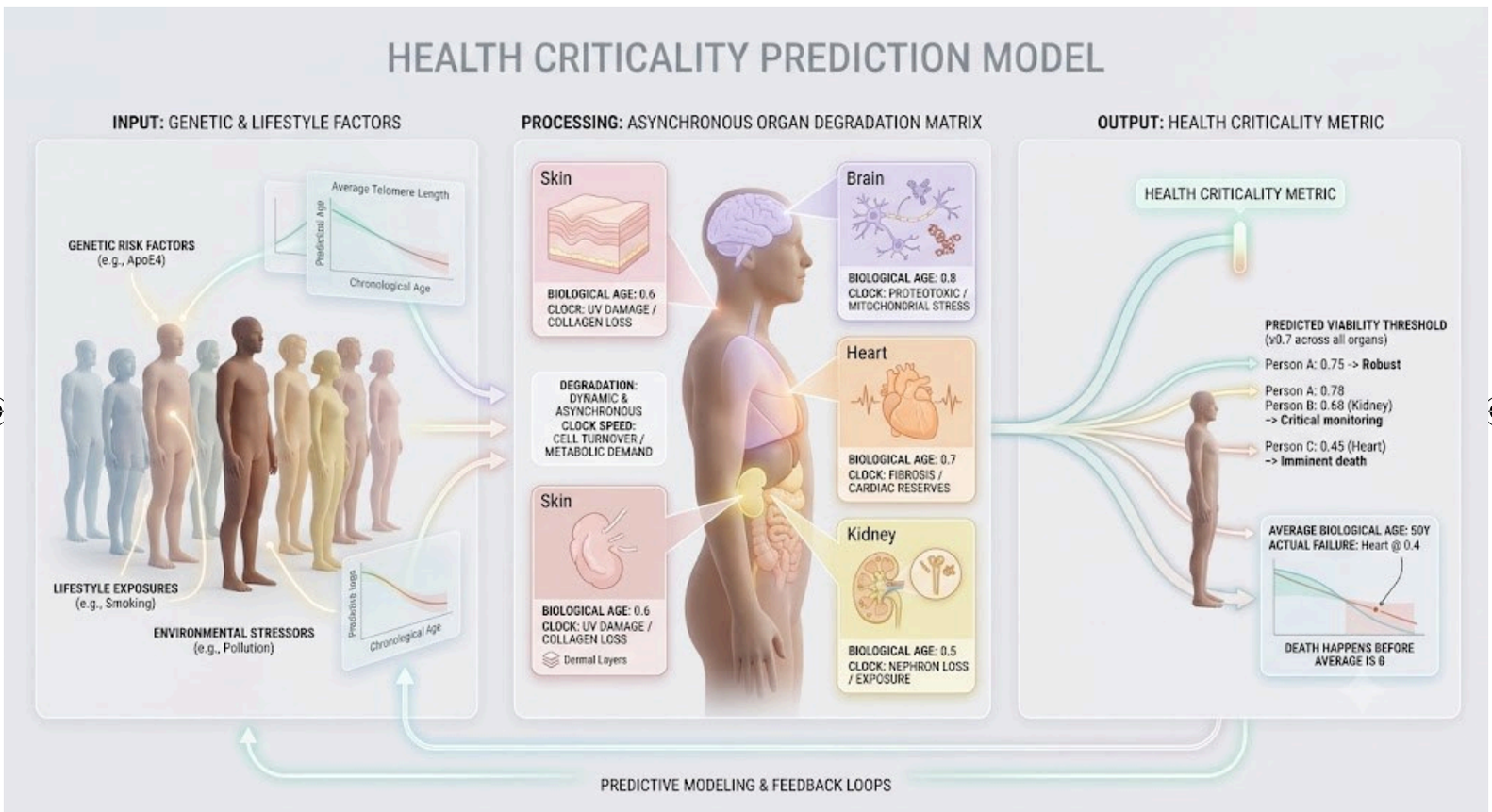
How automation?

While it theory it is possible for an action taking entity to take the same action with proper feedback from current state, but often many problems in surgical room arise in real-time and require rather complex thinking from usual norm, for e.g. in surgery, the state of the body being operated. However, by knowing about the problem

and exploiting the possible states of it, such a problem is still solvable, as demonstrated by current state of AI. That said, first requirement for practical realization is the mechanical hardware itself. Which allows such delicate macro or micro manipulations of tools on the body, while keeping its tool equipment sterile. Such an hardware robotic setup can be teleoperated using a trained surgeon to do surgery. The next requirement is the situation based knowledge based AI capable of taking actions through the robot. However, this as well is challenging that is to know, how the entire operation state changes (which includes body state, along with states of tools,) as well as the entire surgical process for e.g. patient being anesthetized. While requirements for patient handling, handling injections, physical actions such as keeping pressure, etc on vital organs in an alive body, and ways to handle it while taking into account the uncertainties and complications that could arise during operation, for it, a lot more is to be said for the working deployment of a autonomous surgical robot equipment as a every-day useful medical tool. This forces to know the complete system model on human organ level, the state of which being is operated, say which can be predicted from knowledge of a surgeon through AI based on external observations and medical tests conducted in relevance to it. ▲

“Its like whatever software I cna make , it does nothing, its because pure software is just a piece of art of something useuless, it neds to interact in real world when required to do something useful at least if it needed to be useful, I would have needed to code my own body, to enhance it, the ...

HEALTH CRITICALITY PREDICTION · JUNE 2026



The health-criticality prediction model, drawn by an AI assistant from the author's description, June 2026.

BODY, HEALTH & BIOLOGY · FEBRUARY 2026 · 2 MIN

Body, aging, sustenance,...

Body = f(Body, Input); pseudo-eternity via reproduction; 5 images

Published 07 February 2026 on Triton 47 · 475 words

One of the main reason a being cease to exist is that the body ceases to exist, is aging. Other reasons that cause cessation of life is improper growth of body, which leads to breaking of flow of its being-body in existence.

Body is sustained by inputs given to it, its own function sustains itself, and it outputs things which are not needed in body. Much like a state space diagram:

Body = f(Body, Input)

output = f(Body)

yea, it includes all viatl functions, cellular natural functions of growth, etc

Input also consists of external stimuli, food, physical / chemical forces etc which make changes to the body.

output also consists of material output as well as physical force output

Being ceases to exist when its consciousness generating substrate (or equivalently 'function' from software : remember, software is also a

physical thing, as arrangement (i..e structure) of electrons relative to other static material there is, e.g. electrons in NAND flash, or gate.).

And its consciousness generating substrate involves action resulting from functioning cellular functions, which need food, which gives energy (carried by ATP) , and proper structure to function. Structure is suported by other structures. Brain, via entriched blood flow, which is given by energy (suger) from liver, small intestines, and sometiems kidneys, and also other forms from fat and muscle, when certain conditions meet. Hence these organs also which form body, as essential survival core (a being) , as an intelligent action taking agent.

apparantly, all the entire body ofbeing has evolved just for consciousness to sustain in the environments it was created in, and it turns out to be this. There is nothing like consciousness in material world or this physical reality, except itself, I guess maybe, maybe not.

When the body function returns to itself, that is, there is no function change, the body is functionally eternal, that, it can be made exist given surrounding support functions (e.g. food, daily routines,) forever, except aging will morph and degrade functionality. More complexity a thing has, usually easier it is for it to break, unless the complexity allows reinforcement component, a repair mechanism.

Although, in practice, a pseudo-eternity form is achieved, when after certain activation of input, where output from a body is another young body of human (newborn), which repeats the cycle. It does not mean its robust in itself, but eternally present, although, its form morphs and slowly drifts to new forms, which are usually better if better-driving surroundings.

Hence, if the circumstances dont change, the evolution brings the body to a steady state or steady state of particular dynamics.

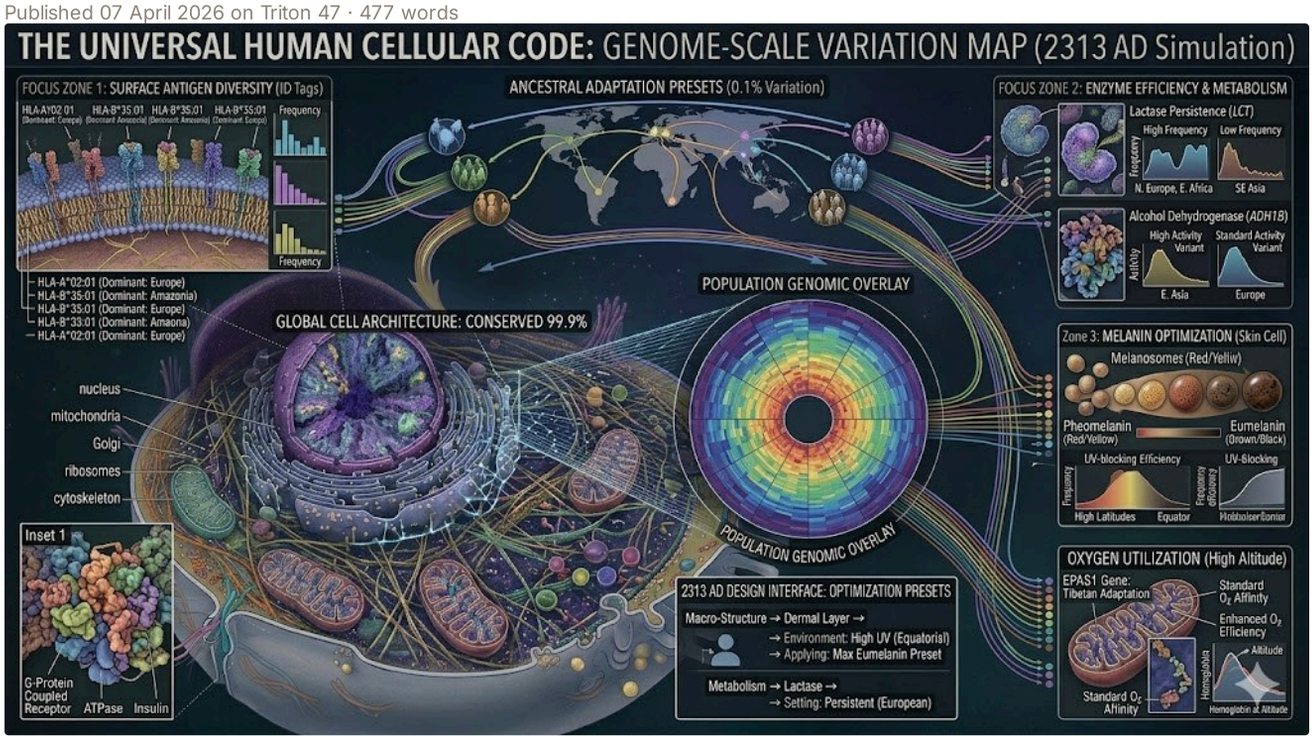
Above analysis applies to any object, simple or complex, as that is how universe works, its a theory-concept level view which allows to identify the concepts that happen and work in real. ▲

SPECULATION & FICTION · APRIL 2026 · 2 MIN

2313AD – cellular forms

engineered cells, hybrid cellular life 1000–10000 y; "think how you felt when you first saw the sky"; 5 images

Published 07 April 2026 on Triton 47 · 477 words



Cellular forms, 2313 AD. AI-generated image prompted by the author

At this rate, somewhere in future, say 2313AD, hypothetically,
this time is when cells which can exist in this universe are explored fully mathematically, from existing elements and can be synthesized in local laboratories, which can be coded for its forms individual functionality. Deep bio-tech to engineer cells for e.g. hibernation, self-repairing i.e. nonaging, immune to radiation.

A typical human cells contains 30000 – 50000 unique molecule types. But in universality, engineered form could contain way more many, allowing way more many kinds of units which "flow-exist" in universe allowing it to function in certain way. Its a cellular-robot amortized in molecules flowing due to forces which are actions of this cellular-machine-robot.

> Think about how you felt when you were born and saw the sky for the first time, the world around you, the limitations and stigma you carried and the openness with which entire world was seen, without any barriers imposed by society.

all life on earth already consists of diverse forms of cells, and with human bodies having certain specialized cells that make you, while reality of universe is not restrited to such structures, as they only happen to survive the force of time or never got a chance to be created, as with mathematical spaces, exploring the vast amount of possibilities of molecular-matter strutural variations which has a staggering number of possibilities to it may or will contain facinating cell forms which will allow engineered life to exist and enable conscious driven evolution with functionality.

Once the artificial intelligence structure is embedded in forms with organic cellular forms,

forming hybrid cellular life, enabling superintelligent species say 1000-10000 years in future, that will look back at current reality and will see as we see the past (although I don't know the feeling of it, as I never seen past, with its pure feeling of how it actually was than just thinking about it). Also, in recent past 50 years, silicon digital form is built along with all its foundation, and now it circles back to carbon based life and progress along it. As, with limitations of human are physical strength, healing, energy levels, etc. along with obviously intelligence and ability to process tensor information mentally, as people tend to think visually just to parallel-process using their visual cortex, to make sense what computers can do, while mental computations also have conscious.

This also comes as healthcare-biological development is inaccessible or stagnated, while people still battling structural issues in molecules, along with their resilience to unadaptable changes in universe. For example, radiation hardened cellular forms with hibernation enabler cells will enable space travel, the only hope of expanding of civilization in this universe, which is clear as day the first thing people can think of when they see the sky as new beings on this planet. Think about how you felt when you were born and saw the sky for the first time, the world around you, the limitations and stigma you carried and the openness with which entire world was seen, without any barriers imposed by society. ▲

BODY, HEALTH & BIOLOGY · FEBRUARY 2026 · 1 MIN

Volumetric local computing

cells as local compute; grow a pot-plant-shaped tree; backtrack DNA for shape

Published 12 February 2026 on Triton 47 · 252 words

Much like cells undergoing division and function processes in the space, they compute a function process depending on outside surrounding medium and internal and external inputs or stimuli to produce collective rearrangement.
Now this process is local, physical processes are slow relative to human level time, its an orchestrated process, to produce the collective outcome as desired shape of a being.

Such concept of course extends to humans in society, humans analogous to cells, specialise and form a certain functioning

structure in the society.

And such concept can be used to perform biomimetic complex operations in space using both code simulation level in computer or on realistic physical level. (relative to what is termed simple in current era or usual set of mind, i.e if usual set of mind is less complex, usually).

For e.g., one can design a tree that grows into a pot plant, i.e. it creates the object the fruit of desire, from its seed. As the object is programmed to produce the stuff the certain way, one may also be able to grow a plant in a particular shape, certain useful chemicals which are difficult to make and rare, to certain treatments that are only possible currently from natural sources.

We can start with how to attain a specific shape form given cell embryo, and its dna, i.e. backtracking whichfunctional processes must be how for a given shape result to be achieved.

A simple zygote first undergoes divisions, and when packed only then it starts growing and differentiating ▲

BODY, HEALTH & BIOLOGY · JUNE 2025 · 1 MIN

DNA as a software program

nucleotides=binary, codons=assembly, proteins=functions

Published 14 June 2025 on Triton 47 · 226 words

Ever thought that software is all virtual, non-materialistic. Well, it needs to be stored in arrangement of electrons or matter, on a hard disk, or in NAND flash gates, or memory of some form, somewhere, and accessed using waves or fields (e.g. EM).

and much like how software is arranged, from high level view, to simple view of assembly, and binary, analogous to it, is the binary (two states one place) maps to nucleotides (4 states one place), assembly to codons (for 8 bit instruction set, 256 possible pathways of progressing (well you can see computer code as some graph embedded in electronics in this universe's space, forget what you learned on paper and notes in teaching institutions) : : while 64 possibilities for 3 spaces each with possibility of 4 nucleotides, which are associated with amino acids), and function output (function as assembler of proteins) as proteins (for a function, takes a series of actions, it mixes assembly instruction pathway with variable(s) to produce output :: while protein, it takes series of codons encoded outputs (or amino acids), each functioning in certain way, and produce an output, which has an combined effect, due to their individual spatio-charge-mass-energy arrangement in the space, which give a characteristic to the protein.

and there are many kids of proteins, among other functions (which?)
that cell performs.

(to be continued...) ▲



A PROTON AS A TANGLE. AI-GENERATED IMAGE FOR "STRUCTURE UNIVERSE FLOW", 2026

Dimensions

07

Only the present exists; time is motion. The later posts push this into two-dimensional time and a life seen as a single four-dimensional object.

SPACE, TIME & PHYSICS · JUNE 2026 · 6 MIN

A higher dimensional being

time doesn't exist; 4D = life as snapshot, 5D = 3D space + 2D time; branching futures; 1 image

Published 26 June 2026 on Triton 47 · 1,335 words

how is 4 dimensional communication possible, that is through time,

process that happens is mostly causal as we observe, but it is because we only perceive in one way, that is causal,so the world around behaves causally,

How is 4 dimensional communication possible, that is through time, process that happens is mostly causal as we observe, but it is because we only perceive in one way, that is causal,so the world around behaves causally, I mean we believe in causal outcome, so world behaves causally, just as you see something a certain way, that thing behaev s ...

I mean we believe in causal outcome, so world behaves causally,

just as you see something a certain way, that thing behaev s the certain way,

merely following the laws laid down currently is just a state of what could exist, one of many, and all other things can also exists and reality can be transformed to it,

time does not exist,

only present moment exist, and present moment is multidimensional space and multidimensional time, take for instance present moment is 3D space along with all temporal space as one, all dimensions spatial and temporal as one , for such a being, space time is possible (so requires such a belief), so the future after 1000 years is just next to your conscious, while also future before 1000 years so too, just adjacent to current reality

(while this may in some way come across referring as the same place you are was existing 1000 years ago, and will exist 1000 years from now on, if you analyse what has happened in the space you currently exist in this time frame,), however by previous I also mean that the 1000 year old past is just as accessible and real as 1000 year old future, which is nearby, one cancalculate the spatio-temporal distance, (well will be in terms years which is of 1000 or -1000 years, but dont be fooled by text to that of what it actually is)

perhaps conscipusness is evolving, and was 0 D, then became 1D , then 2D, now 3D, when perhaps after dying becomes 4D *i.e. it transcends time, and you will see your entire life as one, living many lives, becoming 5D, i.e. 3D space and 2D time,..

the limitation perhaps for conscious, lies entirely in its ability to ability to think it, and to understand it, for which it reflects in its conscious

but the challenge remains, as mind can be in inertial of its old thinking, unable to rapidly adapt to new,

nobody questioned the laws of universe presented as they were told, and proof and facts came after verifying them, but as always some things were mysterious, till they weren't and then entire understanding broken into new form, as if universe has changed fundamentally, or it has not and only the reach of a being, or both

Focus on your mind, you perceive 3D reality and an ethereal temporal aspect of time, but from a multi dimensional reality of space and multidimensional time.

One aspect, is multiple versions of you exist of near future, with you branching and realising one of it, while this may look like sampling form distribution, but perspective changes the experience (the view through a lens), and so reality might be in a way not really as you usually take it. As there is difference between something becoming real from a hypothetical distribution, vs something always existing but non-interacting,

singularity is not 0 dimensional , its 0^n, or 0^inf, if you imagine, from 3D, you collapse one axis to 0D, remaining is 2D, similarly you dont get 1D from 0D, you just expand both ways one axis from that 0^n or 0^inf dimensions, and keep on doing to other flattened dimensions or uninteracting dimensions,

So technically, if this universe ain't spatially 4D, one may create a 4D universe from expanding along that spatial 4th dimension from this 3D world, while which may already have been existing without our (or my) knowledge. Mostof time I take my existence as passive, despite knowing that I am an active existing being with real true experience, that is, what is perceive is true to me, regardless of what it is, perhaps its tricks or mind, or perhaps its reality, but perhaps its other dimensional or from another temporal dimensional stuff, another time would be like another space, (although consciousness exists at a localized space time: i.e. it exists along delta space and delta time,) while thinking is an act which expands space and time, and perhaps mind is capable of tapping interdimensional signals, and through more advanced mechanics of multiverse, these inter-dimensional signals can be turned into physical reality.

In 2020, I had many ideas, one of them was, what happens to a person vs what is perceived can be totally different, i.e. person may have crossed timelines or space time, but from this universe, its projection to observer's experience appears as if that person died or vanished from this universe, while I never died so I don't know, and if I died, then if I vanish from existence then I will never know, but if I continue my existence in another space(n-dim)-time(n-dim) of multiverse, I would never know I had died. Other idea was how this 3 dimensional universe as we know came to be, no need to think much, conscious form was able to decipher to this, could have been any number of dimensions, we wouldn't know the difference, we would take what is normally existing as normal, for a 2D being, 2D world is normal, and so for 3D being 3D is normal, but one may introspect from nature of consciousness, that it may transcent dimensions in which being may exist, because of its unexplanable or unprovable nature, scientifically it cannot be proven or refuted, but for an higher dimensional or intelligence entity if there was a science of that world, surely, that would be able to explain the nature of consciousness in all its form, and might as well think of it as merely a tool to use.. Imagine each cell in your body had its own psyche of matter processing just as in brain through thinking, cells follow their life and you follow yours, but both are independent or perhaps contributing to consciousness together to form body, and neurons with rapid ionic exchange form merely a stronger consciousness that makes cellular consciousness contributing as small fraction of it.

3D > present frozen reality

4D space : entire life as frozen snapshot

5D : existing continuously through time, with knowing entire life as frozen snapshot, or 4 D, as if when you are thinking your entire life has one meaning, then it can be obtained from that 4D snapshot (its easier to think mathematically through data, imagine your entire life history is stored in memory drive: a 3D across all time from birth to death of yours, time is not infinite to you, but really a finite quantity, and so is space, for your existence of birth to death, if you had a perfect predictor of entire life based on current life : for e.g. idealized forms of mystic practices or jyotish, then you had the entire life in one view and you would vary the parameter i.e. your actions to choose the correct life progression for your experience from all existing (which again doesnt make sense to talk about this way because you only perceive one kind of reality, and not all simultaneously, but sometimes it does allow room to reason..)

Imagine as if the voice in back of your head arises from your state of being in 4 dimension, and as if traversing, but again, you might just think its neural state, but it doesn't explain high correlations, of actual thoughts (well just might be the neural connections), but perhaps its both, as one subjective experience cannot be less or greater than another, when both seem equally likely, or both not disproven (well neither proven)).

i.e. if you choose what future can be , when you take action, you branch into many forms of possibilities of what life can be, while its general structure all spreadign makes it meaningless to talk about in practical sense, but from certain persopective : such as dreams or psychic effects, it allows room to reason ▲

SPACE, TIME & PHYSICS · APRIL 2026 · 2 MIN

beyond 3D

4D objects appearing/disappearing

Published 16 April 2026 on Triton 47 · 520 words

What is seen and known as 3D perspective of this world is what is observed based on how its observed. Human defined these, humans are evolved in this n-dimensional universe, while they can only see 3, perhaps rest of the dimensions are compactified below plank length, or they are always present, but human only learn to see in 3 dimensions as reconstructions, and reality imposedin 3D. However, since all things match with 3D representation, despite only observing the structure which is observed through retinal array, but finally in conscious, it somehow relates it to 3d, but there is that conscious with colors, texture and sounds which are represented in perception or conscious space which is somehow associated with the physical world as we see (thought that physical is a matter of definition, as we struggle to invent our own language and use it, through definitions, to relate to the world).
But imagine if all the things you read about universe being 3d, just programmed your mind to believe it certain way, well that brought a lot more stability in thinking, ideas, and knowlege, but what if the universe has always been more dimensional, and we only been evolved to see few of its dimensions, through conscious feeling or force, and perhaps this conscious could certainly have sensing capabilities in more dimensions.

But what if the matter around you is 4D or more dimensional existing, and its restricted to 3 dimensions? because of observation of humans, if universe is more dimensional it exists in that al the time, and not at certain time it will change, unless if it is compactified, if then, then it just requires a different blueprint of the universe. But if if exists as a hyperspace all the time, then how to access these other dimensions. First, you can start by imagining objects in 4D how they could be, a 4d world is associated with sudden disappearance of obj, as it moves in the 4th dimensional plane, this can be for e.g. thought perception, or emergent behavior that comes out of nowhere because it comes from other dimension directly into existence, or could be something of like spirit or soul, and perception that appears out of nowhere. Also forces, how are these associated with matter, these also perhaps relate to matter as they exist, as side dimensional forms of it. Even electro-magnetic field, as we describe as field lines : coming from observation of how things work in this space, but could be interactions in other dimensions resulting from materials that interact to make object, for e.g. have superconductivity, have spins, magneticfield, and perhaps the structure of force itself resides in other dimension. But largely, because how we define it, these things are put defined in reality, but again, this viewpoint separates on other viewpoints of what would higher dimensions could mean, for e.g. totally different kind of force existing, allowing teleportation, time travel, etc.

things which affect people, and people behave certain way, in same way, exactly so, fluff in universe on small-small scale electron proton level, behaves same way how it is affected,... ▲

SPACE, TIME & PHYSICS · JANUARY 2026 · 1 MIN

Matter flowing to the present, constantly

only present; 4D as sliced 3D

Published 13 January 2026 on Triton 47 · 235 words

Its like matter in surrounding space or environment or entire universe wants to be in the present, it flows however it can flow (but ultimately there is only unique direction in which it flows, and that unique direction comes from determinism at micro level, or determining layer underneath, as above layers if have multiple possibilities.

Although what I observe is the waves emanated to my consci, wherever that is, through signals which replicate some form of structure as it is in the real world, the colorless atoms and molecules and smaller and larger stuff, and invisible (that doesnt interact to consci) stuff that make the world.

although the reality is that past future doesnot exist, only the state it is in, along with its flow or inertia or momentum like property. perception of time is where consci bends or stretches in 3d, to form 4-D effect of it, and 3D is even resulting from sensory awareness that it has resulted (after evolution ?), but because space itself is 3D. If space was 4D (without time), it might've had such a structure. But one can imagine 4D of an object as its sliced 3D parts which all exist in teh same space, one must rewire their brain to forcefully imagine it at first, much like a volumetric embedding turned into 4D embedding. (which usually represented in 1D array, and processed upon). ▲

CONSCIOUSNESS & MIND · MAY 2025 · 2 MIN

Time is precious, many things in imagination

space of a thing vs sample

Published 21 May 2025 on Triton 47 · 340 words · 4 likes

There are only limited number of time experiencing conscious beings, and given vast amounts of diverse activity that can be participated in, how the time is spent requires consideration.

AI can bring out imagination just with text, but the space is boundless, the kinds of information that can be generated, goes beyond the space of perception that is felt in everyday, a form of escape in imagination, a much needed legacy stuff for the mind for creative expression, as it has always been carried through stories, songs, writings, images, movies, etc.

Things change when you look at space of a thing, than just one sample of it itself. A sample of research existing in all research, and when brain sweeps through space of research, the activity realized in the brain can be brainwhakingtiringrapid, consuming lot of energy, making it go tired, but ideas are enormous. Those who doomscroll get similar kind of varying input, which makes certain parts of mind constantly susceptible to variation of forms. And the variance in information itself gives information to the brain to behave in a new way. Well, nothing is wasted, even a small signal has the power to change the minute synaptic weights, or a part of it, that can affect later on, or manifest in something, or get faded. however, reality spans only certain level of imagination, at least in current existence. There are, however, things happen that are not usually wanted to be imagined, but then there are those things that only come and fade with time, or its origin. Its as if in the entire universe, a thing when created was created in 4D space, with its birth-death-existence together created into a thing of a being, that can solely, only exist in that time. For e.g. me in my current form only exist in this time, and later my form changes, and perhaps there is only one unique existence in all time, well, that is current proven stuff at least.

Eventually, information rewire network into higher form of perception consci... ▲

SPACE, TIME & PHYSICS · DECEMBER 2025 · 1 MIN

Laws of reversed universe flow and multiple time dimensions

reverse = alive; 2 time dimensions

Published 31 December 2025 on Triton 47 · 224 words

Reverse of the natural flow seems like an alive entity.

How would the world be if it flew in reverse,

entity takes action -> resulting matter follows laws of universe
in reverse the matter following laws of universe seems alive,
triggering flow of user

many marbles dropped from a bowl, come together back to the bowl, as if the energy (which dissipated in normal) in reverse accumulates

back to impinge the marbles accordingly, and a particular pattern of energy flowing (back), along with impinging motion from waves and heat, which can be directional affects the matter to flow. Its as if justification is given for backward flow of universe.

Universe in reverse is like universe thinking, its decreasing randomness, at cost of beings , while beings in normal world create order from seeming randomness in certain range.

if flow would be reverse, and if universe would have evolved in reversed flow, universe would have looked different.

Also how about multiple time dimensions .

wel, assume there are 2 time dimensions and 3 usual space dimensions,

important point is continuity in space-time of energy, and flow. so an universe can branch off, and come back on itself , or its next time (say after 1hr) after going through percpetion-time of 1000 hrs etc).

as sometimes, the existence feels timeless, and rest is the universe flowing. ▲

MONEY, WORK & SOCIETY · OCTOBER 2025 · 5 MIN

World of giants of forms

supply chains behind every creation; "did you make this?" dilemma

Published 01 October 2025 on Triton 47 · 1,077 words · 3 likes

When technology takes too much man power, on global scale (which again you have to understand from this perspective, is a tiny bit), there are only few giants or only one : few semiconductor giants who provide necessary hardware for all development, few automobile giants providing large scale access to automobile, machinery of sorts, from raw materials,, and person can order from what is there..

For e.g. today if you wish to make a robot AI chat bot, you would need access to intelligence of algorithms (the structures of code put in github, which is 'open source' or just what fate of new borns or current forms have, all 'free stuff' is just stuff that is allocated in your life, in another life this stuff wouldn't have been available or free, well the point of this digression of text branching out is free or paid, or all pathways of experience that is available, the category, if you work for something to earn money and use it to access something, money solely acts as a gate keeper of those things with its value, sometimes not only money is required, but also desire with it, and sometimes alone desire cannot make it, and not only desire), access to high performing GPUs for parallel computation mimicking neural structure, access to very-large dataset for its information (think about it, a child doesn't know much, a grown adult or old person exposed to variety of sensory information and stimuli has learned the ways of its surroundings (in its inner truthful core of its self)), in a same way evolution has sustained beings which have left only certain species alive today (from all that existed, and not even that, from among infinite possibilities of that could have been possible), so the point is large data must be accessible as well, and continuous power energy source coming from giant 'generators' : (which merely transform energy), and you might also need a 3D printer and robotic actuators from their sources, and it forms a giant web from source to the person needing or requiring it. Everything

available in front of you comes from such a simple or complex web pathway (depending on your depth of understanding of your self how you see it as, as you can see things simply, for however complex they are) .

But again, if you want to make a chatbot, you would put these components, and bring that thing to life, existing in all thats existing system there, and every creation you see from what-not talented or noob, however it sees advanced it is, comes from such a chain enabling its possibility.

So for example, if I wanted to build same complexity chatgpt by myself (first : defining 'by myself' is in itself is vague), Sometimes people ask, "did you make this", then I run into a dilemma of whether I really made it, I did put together, using my hands which are extensions of my conscious existence which I feel my body as through, I did put together the parts that were within reach (which ofc. which I did get after taking certain actions e.g. ordering, or unlocking them which are gatekeeped with money etc. by paying, and by knowledge of about that product, if I did not have the knowledge about that product and what it does, I would not order it, and would not be mostly be able to use it. So a state of a being requires to have desire, the knowledge of it, and how to order it to order it, and procure it, and result of all that procurement is then merged with the knowledge of the individual component, result of those actions which gives rise to whatever thing you wanted to build, for e.g. robotic AI chatbot in above case (again, here above refers to the how humans read text in vertical lines, top down, and above means previous).

...what does AI systems really learn, they are not familiar with human connotations when they have no such spatial knowledge, they learn the correlation associations from repeating patterns... and its just a state, evolving, and flow of universe, formed planets, on some planets it formed what we called life, and that life has its life-force with force of creativity as well, which keeps on creating,

But among such established giants, new forms of creation come and update these giants, accelerating the growth. If we looked at it like, how would such a system would look like, as if information creating itself from 'nothing? or perhaps a structured basis (generator) network, that in this universe functions as it does' but time, and with time, system self-manifests, creating more varied forms and also evolved forms, and an analogy could be like a nuclear runaway reaction,

when you surround yourself with such input, or such inputs surrounds your form, then growth is deterministic (depending on its state and inputs that it receive, although, however, unknown brings uncertainty, but knowing it removes uncertainty). The depth of what happens, if one to look at all entire progress of universe from start of there was a start to current moment looks like, one can map objects to log scale and look at universe as a closed space, meaning all that exists is taken as one system, and nothing external affects,

However, every day life resonates on a different plane of observation and concept perceived in consciousness, and focusing on that brings out new ideas that affect every day life.

There is slow constant change every generation, in its best form, it is becoming better adapted to surroundings (not just spatial surroundings, but interactions that happen subject to spatial surroundings are a space of surroundings in itself), while major visible physical change has been happening for past century, while reaching the limits of change very quickly due to lack of resources (materialistic, intelligence, energy, permissive, being-action-power etc,)

Quantifying manpower : actions taken and complexity of action taken, etc..
the goal of thinking is .. the eye is kept to the details of dust speck in visible field, i.e. even a small issue is tackled in precise way, and system scales without lagging or sluggishness,

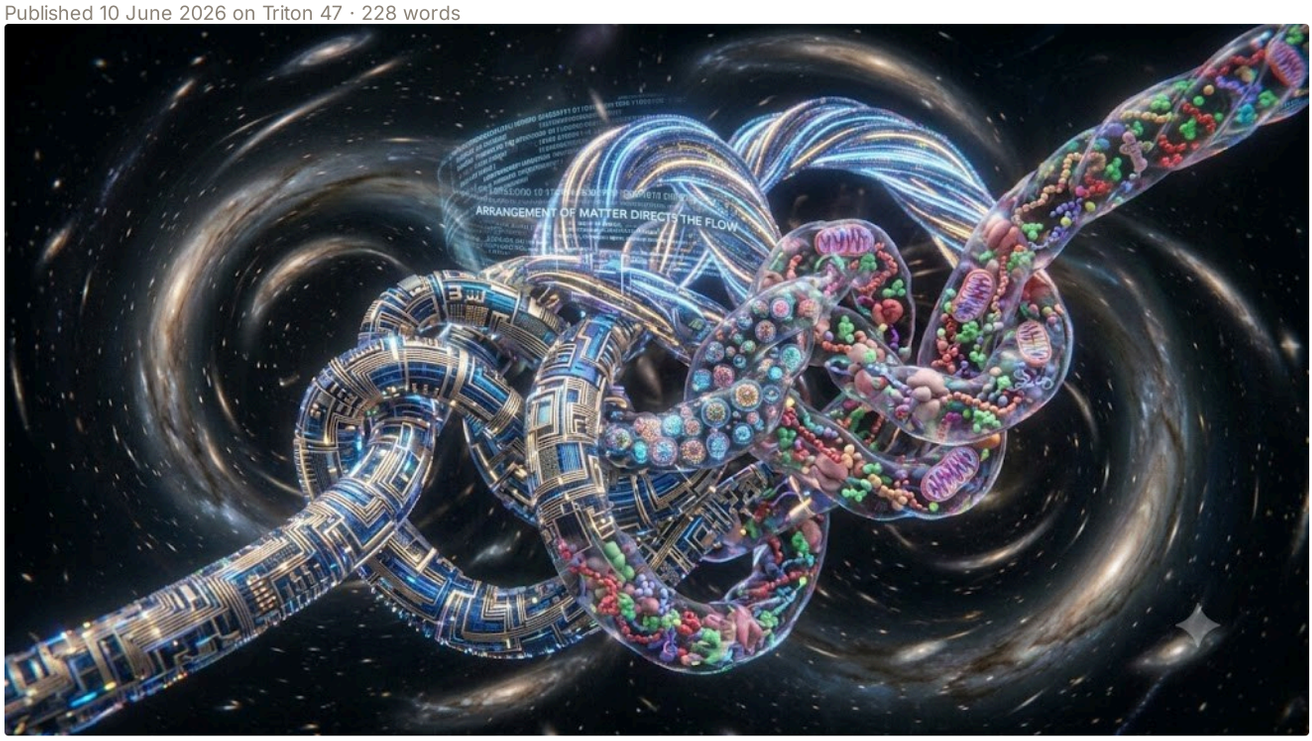
you can generate knowledge by thinking, and thinking is a process of flow in a structured brain, nature does the task of making it learn the existing thing, nature is a teacher, then teacher is a form of teacher built on top of it, a human teacher, ▲

SPACE, TIME & PHYSICS · JUNE 2026 · 1 MIN

Structure universe flow

proton as tangle; "YouTube is a musical instrument that plays a song on one key"

Published 10 June 2026 on Triton 47 · 228 words



From the post. AI-generated image prompted by the author

- From space of all physical structures of matter and fields, there exist a configuration, that corresponds to that of my laptop, to that of my phone, to any other configuration, for any other object there possibly could be and would be, the structure which flows certain way, with its flow, usually directed using coding == arrangement of electrons or matter as memory, which directs the flow (i.e. computation),
- Imagine taking a single line, a flow, then twisting it through all ways, so a flow with a structure, but when you look at it, its still that one way flow of energy in a warped space, so then it looks like a line flow

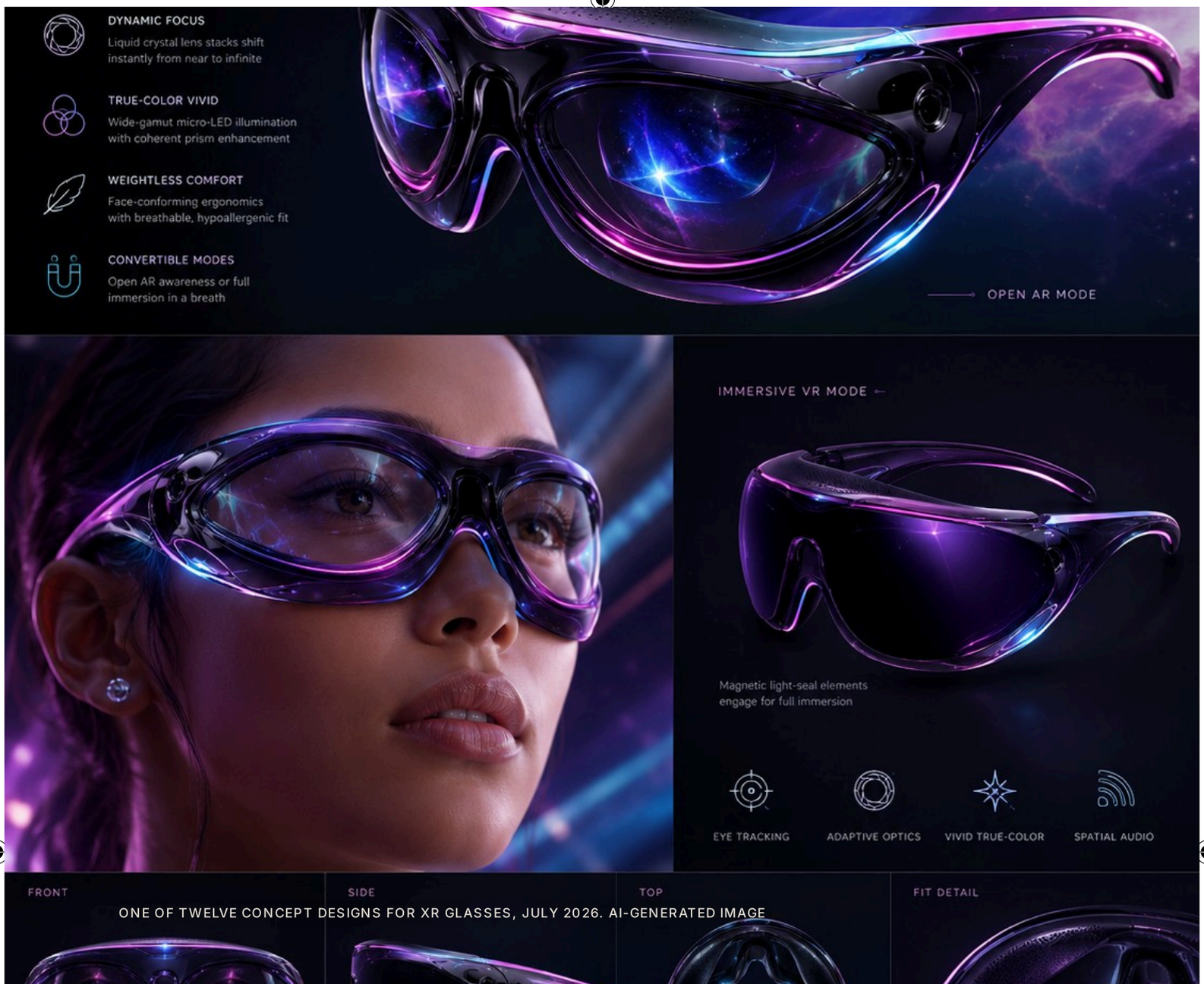
and then a proton or elementary particles, can be seen as a tangle in space-fabric making flow of energy a certain way.

Youttube or a music player is a musical instrument which plays an entire song on one hit on a keyboard which sends electrons flowing, triggering waves through internet, to get that piece of internet encoded(or represented with protocol) signal information stored somewhere.

but there is energy flow, and energy flow onto itself interacts with itself in certain way, so energy in 3D (or n-D) flow behaves onto itself to creates various fields and also matter, both the same thing.

Arrangement of matter directs the flow.

Youttube or a music player is a musical instrument which plays an entire song on one hit on a keyboard which sends electrons flowing, triggering waves through internet, to get that piece of internet encoded(or represented with protocol) signal information stored somewhere. ▲



ONE OF TWELVE CONCEPT DESIGNS FOR XR GLASSES, JULY 2026. AI-GENERATED IMAGE

What comes next

08

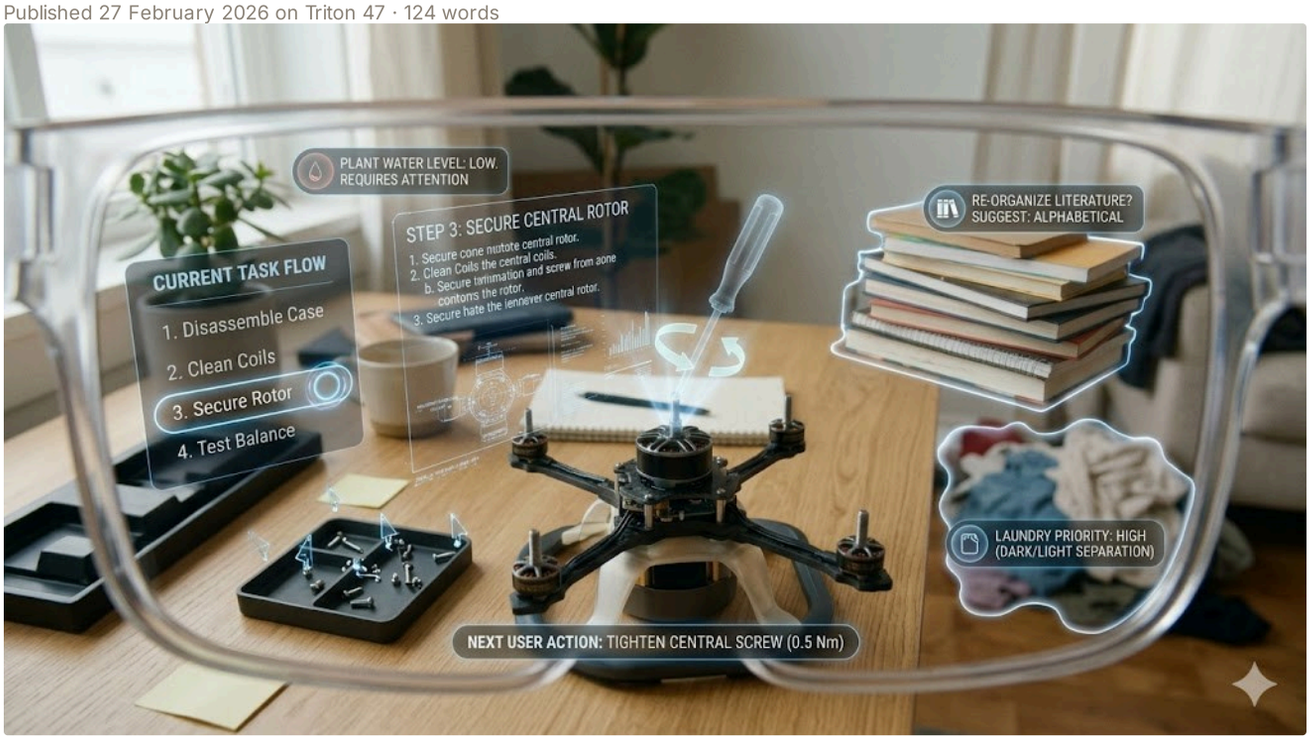
Glasses that tell you what to do next, a news feed made only of your own life, a data logger the size of a camcorder, and the last post, on what is left for people to do when software is easy.

XR & INTERFACES · FEBRUARY 2026 · 1 MIN

Augmented AI-XR

guiding glasses that overlay next actions ("hold these clothes, arrange these books") = the AR-glasses north star

Published 27 February 2026 on Triton 47 · 124 words



The view through the guiding glasses. AI-generated image prompted by the author

Ever look at surroundings and see objects popping with possibilities of action on them. Does your brain look for things and thinks of nothing but confusion and lost feeling, here an augmented reality guiding glasses are here. It is your real-world existence mentor, help you survive and thrive by your own actions that are possible to take in near vicinity of this world.

show as viewed from this glasses, so person is not there, but there is scene, and it augments it on scenes understanding, giving real world interaction, steps to proceed how with the surroundings, like hold these clothes , arrange these books, etc in augmented view, and guides the user for next time step of their action taking

Ever look at surroundings and see objects popping with possibilities of action on them.

XR & INTERFACES · JULY 2026 · 1 MIN

XR of future

AI generates immersive scenarios; "body feeling is not explored"; 2 images

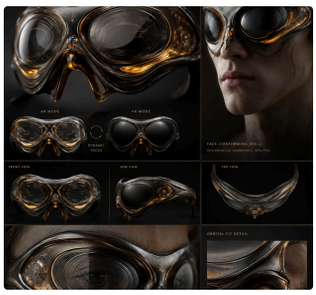
Published 24 July 2026 on Triton 47 · 116 words

- Manual xr simulation is thing of the past
    - AI will generate immersive scenarios, interactions
- 3d assets, models, 3d generative worlds, based on knowledge
- It will be like flying into a dream, with those senses
- Although what is the use of it after all that is to be seen and experienced,
- It will enrich the cortex visual feed, in real-sense way giving eyes to see any sorts of worlds, yet far away from reach of feeling
- And perception of vision can be explored, and even sound, but body feeling is not explored
- Body can feel in various states, defining the entire state of the being

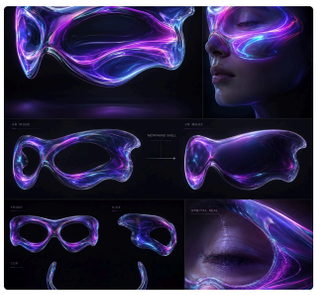
▲

Glasses for every day

Twelve concept boards for XR eyewear, generated after a long look at what current headsets get wrong: fixed focus, infrared eye tracking, weight, heat and hygiene.



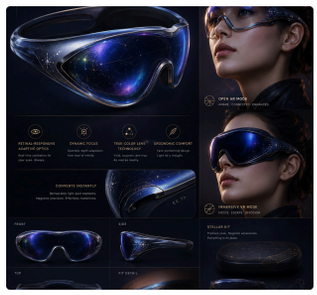
Chronoflux



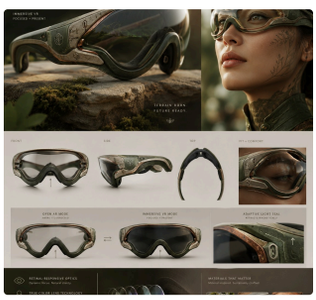
Hyperspace



Morphic



Stellarpunk



Terrapunk



Timepunk



Luma orbit



NX



Nexora



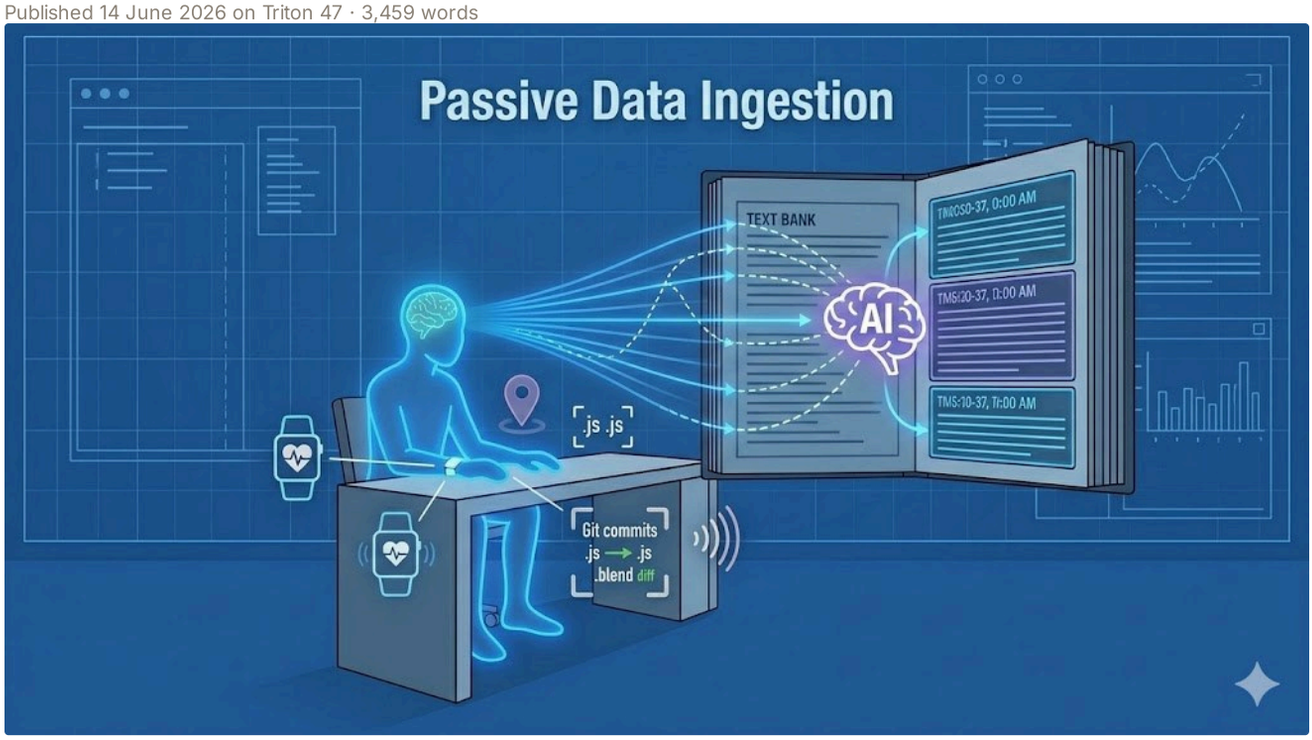
Lumen

AI-generated concept boards prompted by the author, July 2026. The design brief itself was written with an AI assistant.

AI & COMPUTATION · JUNE 2026 · 16 MIN WRITTEN WITH AN AI ASSISTANT

personal news

Published 14 June 2026 on Triton 47 · 3,459 words



Passive data ingestion: the ledger fills itself. AI-generated image, June 2026

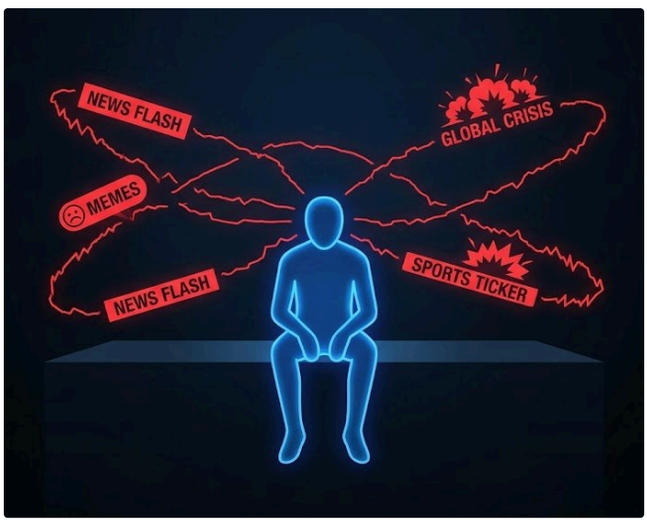
Well, there's a idea of this personal news. Eventually people just spend their time on social media or the News of the World which is a revolent for most part and also Irrelevant and useless and traumatic and not helping which doesn't form a proper field back Loop feedback loop today person. So there's a concept of this individual personalized news, which of course is kind of a reminder and input with you guys the person in everyday life. It can be an immediate news as well as today daily news and Weekly News of based on personal basis just like the news of social media is news because the person doesn't know about it or it could be actually new thing from the system analyzing the person to give to the person which is kind of like a feedback or a new suggestion. thing or the respect on the person so it will track the experience of the person and so to give this person was telling you. The person will give all it. information to the platform such as in text and charge apt but it would be a separate platform dedicated for that cause but if it was for example using gemini or church with any other than the text from the text person should be managing not by itself. But yeah, I should manage the not keeping by the default memory. Text Bank. Which which will hold all the memories and experience at the time. I tries to happen in the state of the person and into the hold it next explicit context because it will be useless to not have detailed context when analyzing such things. It's basically like a person's memory, but exactly written down down to the details of what it is. And this personalized news is the feedback based on it. Just like you have that memory already but should be a bit more. concrete stable truthful and reliable

> It's basically like a person's memory, but exactly written down down to the details of what it is.

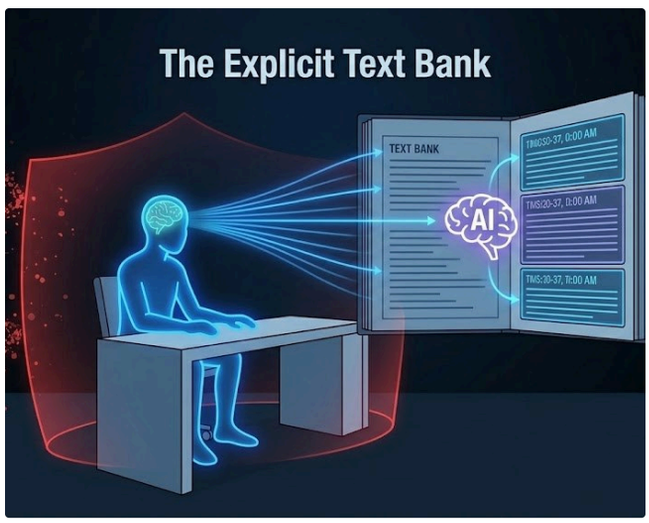
Excerpt. The full post (3,459 words) is online at https://build.nebulytic.com/triton47/posts/personal-news/.

Personal news, in four scenes

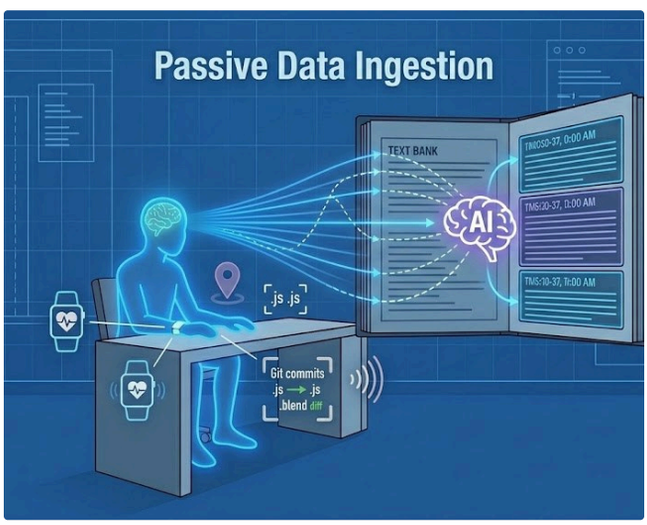
The scenes an AI assistant drew for the idea: open-loop chaos, the explicit text bank, passive ingestion, the closed loop.



Scene 1: the status quo



Scene 2: the text bank

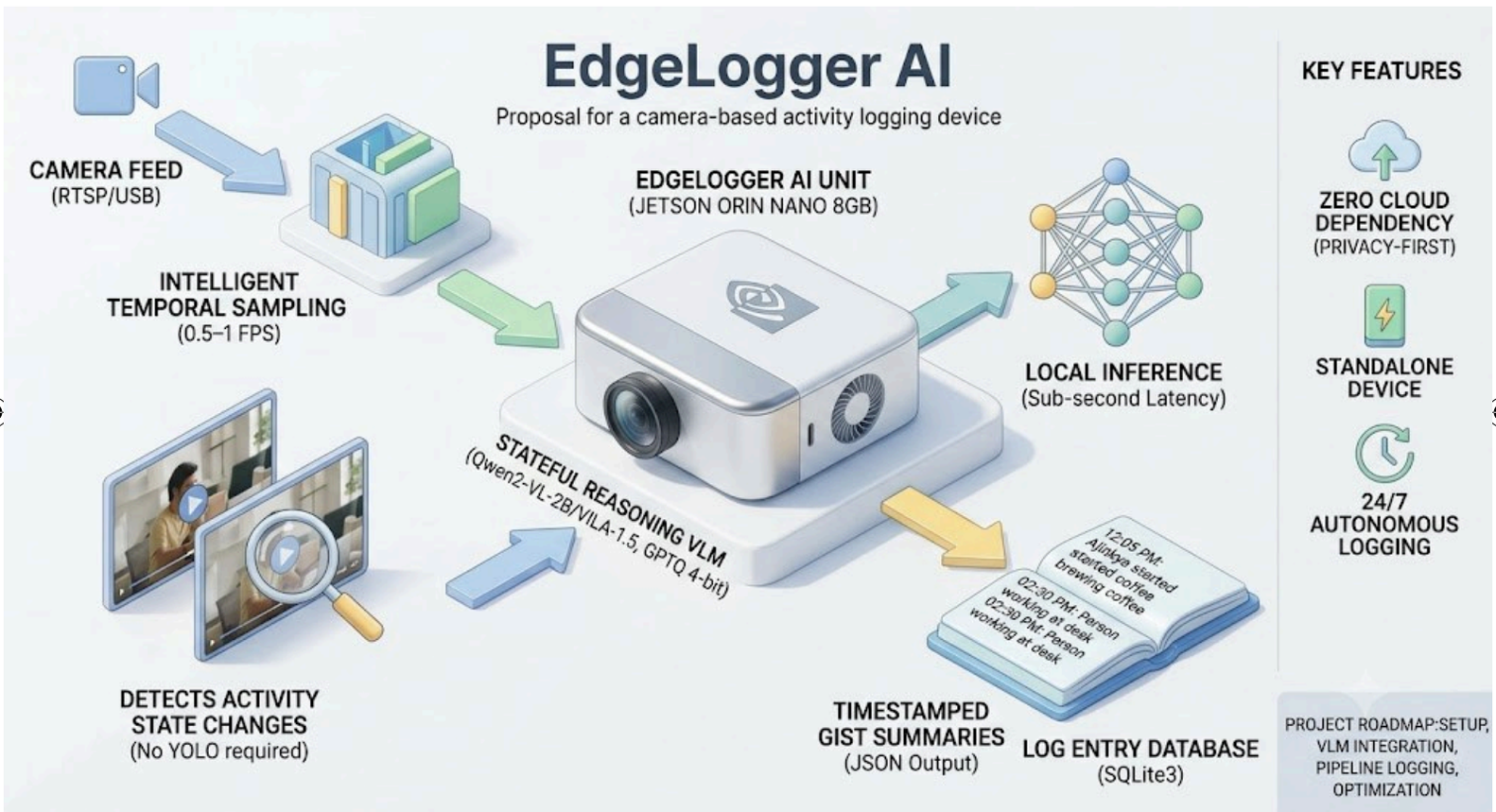


Scene 3: passive inference



Scene 4: the closed-loop trajectory

AI-generated images, June 2026.



EdgeLogger AI: the product plan in one figure, May 2026. Drawn by an AI assistant from the author's specification.

AI & COMPUTATION · AUGUST 2026 · 1 MIN

Development in age of AI

last post

Published 28 August 2026 on Triton 47 · 190 words

So , due to AI, getting software is easy, so people will focus on complex custmized thing, leading to formation of cultural , products around it, the wheel of human doestn change, or it changes slowly, the actions taken by human are still: through hands,but complex systems around it, such as machines extend its functionality.

Now an intelligent system knows how to use the available surroundings in an effective manner, to discover new things, invent new things, unlike a boring gameplay which has only limited possibilities.

So , due to AI, getting software is easy, so people will focus on complex custmized thing, leading to formation of cultural , products around it, the wheel of human doestn change, or it changes slowly, the actions taken by human are still: through hands,but complex systems around it, such as machines extend its functionality.

Many obvious answers lie in front of you, yet people's mindset and possibilities of thinking take a curly long turn often, when they end up not liking, then the narrative becomes, journey is more important than the outcome, which is fine, but not when it is only to justify their choices. While, ofc, if it happened as it is, there in no other way could have happened otherwise, if things were set in motion as they were, while these can be some dangerous statements, to talk about determinism, while one truly cannot know the full nature of the universe, but only believe in it. ▲

WHAT COULD BE BUILT

Thirty-eight projects

Seventy-odd ideas are scattered across the blog; merged and ranked by what could exist first. The full list with source posts is online.

TIER A · BUILDABLE NOW, WITH OWNED HARDWARE, IN WEEKS

1 **Life ledger and personalised news**
A camera-plus-language-model logger on the Pi 5 and LLM8850 (or a Jetson) writes one-line "gists" of what is happening into a local database;

2 **AR guiding glasses**
Glasses that overlay the next action: hold these clothes, arrange those books, this is the plant you are looking at.

3 **Health criticality dashboard**
Every organ gets a fitness score between 0 and 1;

4 **Closed-loop 3D printing**
A camera or depth sensor watches the print, compares it with the model layer by layer and corrects or aborts;

5 **Music-affect visualiser**
Seven continuous feeling axes (impact, valence, arousal, texture, weight, tension, intimacy) extracted from audio frame by frame and drawn as colour, motion and space in a WebXR scene.

6 **Data sculptures**
A set of small WebXR pieces from the blog's numbers: eight billion people as a two-metre cube coloured by age (Human population model);

7 **Article-space viewer**
Papers as points in an embedding space, citations as a pyramid you can walk through;

8 **Food pipeline optimiser**
Nutrition, price and effort per meal;

9 **Dish-washing robot**
The most concrete robot spec in the blog: two low-cost arms, a brush gripper, cameras, a vision-language-action policy, the sink modelled as a set of objects.

10 **Everything-at-one-place hub**
One page for mail, video, social, games, terminals and builds, with a single account and one visual language.

11 **Self-care scaffold app**
Skin, muscle, diet and exercise routines with at-home versus professional care, built as a web app first.

12 **Scroll-driven essays**
Essays that reveal themselves as you scroll, so a reader is carried through an argument instead of skimming it.

13 **Surviving Mars as a 3D-printed board game**
Components generated from text-to-3D, printed on the Bambu, rules adapted from the video game.

14 **Respiratory monitoring helmet and bio-monitoring for navigation**
Breathing sensors in a helmet or mask, and biometrics fused with navigational aids for people who work at sea or in the air.

15 **Emotion and sense logger**
Rate pain and pleasure on an intensity scale several times a day, log which senses were active, and look for patterns.

TIER B · NEEDS A BUDGET, A PARTNER OR DATA; MONTHS

16 **XR body twin with an ultrasound probe**
A hand-held probe whose images are placed inside a see-through model of your own body in a headset;

17 **Neural-field organ simulator**
A single-subject lung as a neural field (SIREN or hash-grid), 2 to 10 million parameters, trained from imaging;

18 **Behaviour-based trajectory model**
A data-driven model of how tracked objects move, predicting the next n displacements as a four-dimensional object;

19 **Thought-to-actuator bridge**
EEG or a thought trace feeding a language model that drives actuators, with the model taking over when the person sleeps.

20 **Distributed AR operating system and a shared world model**
One mouse, many screens, shared storage and processing across devices;

21 **Society and persona simulator**
Populations of language-model personas, crowd dynamics, "regions as organisms".

22 **Financial circuit simulator**
Money modelled like current in a circuit: sources, sinks, resistances, storage;

23 **Home-chore automation suite**
Smart-fridge slots with weight sensors and a camera, a laundry-folding method that lets gravity unfold first, an evening-routine planner.

24 **Materials atlas**
"An AI model that harbours all materials", their preparation and performance, from the 200,000 known crystals to nuclear isomers.

25 **XR glasses design study**
The optics critique (vergence-accommodation, near-infrared eye tracking, uniform pixel density), the ideal wavefront display, materials for skin contact, and twelve concept designs.

26 **Symbol language for programming reality**
A notation for describing physical-reality programs, sketched in symbol tables.

27 **Personal climate cocoon**
A wearable vest that keeps a private microclimate.

28 **Passenger and cargo separated roads**
A road-design proposal that keeps trucks and people on different infrastructure.

TIER C · RESEARCH OR SPECULATION; YEARS

29 **Engineered cellular forms**
A checklist for a cell that does not age (telomerase, mitophagy, ROS control, apoptosis blocking) and a catalogue of cell types that do not exist yet.

30 **Making matter**
A fusion reactor that makes carbon and oxygen from hydrogen;

31 **A mathematical theory of consciousness**
The c(t) formulation, the Global Collective Consciousness, and the augmented-collective-intelligence plan, as an essay series or a short book.

32 **Higher-dimensional time, as a visual essay**
Two-dimensional time, a life as a four-dimensional snapshot, the 0D-to-4D evolution of perception, drawn in WebXR.

33 **Fictional worlds**
Arcthonia and its 32 elements, metallic evolutionary beings, the year 2313, a starship build log.

34 **Soft companion robot and chemical muscles**
Soft actuators, sugar-powered muscles, spooled muscle fibres, cultured neurons.

35 **Growing and etching models**
Networks that add weights without forgetting;

36 **Human digital twin and growth model**
A model of a person from genome to daily state, with a diffusion model over growth stages.

37 **The book**
The twelve theses on the Canon page, written out at length with the posts as chapters.

38 **A research landing page**
A proper page for the Eyes of the North work and the Baltic Sea Ice dataset, with the talk notes from Conducting research: bits and pieces v0.1 beside it.

GLOSSARY

Words of the house

experi
The raw fact of experiencing, before any content or interpretation; coined in "Recipe for everything" (December 2023) because no existing word fit.

consci
The thing that experiences; the self that remains when thoughts, feelings and roles are removed. Also from "Recipe for everything".

liquid state machine
A pool of neurons whose state is continuously stirred by its inputs. The blog's model of the unconscious from 2020 onward, later applied to the whole body.

closed loop
A survival cycle, such as food, laundry or income, that sustains itself without conscious effort. The unit of automation, and the blog's definition of a complex life.

flow
The blog's word for energy moving through matter, life, action and money; the present is where the flow arrives.

text bank
An explicit, editable ledger of one's own life, written down to the details, proposed in 2026 as the memory behind a personal news feed.

make-anything machine
The maker-space idea: one workshop, in-house or on-planet, able to produce any object from a description.

4D snapshot
A whole life seen at once, as a single four-dimensional object; the later posts' picture of time, in which the present is one slice.

world-field
The top of the representation ladder that runs from a point through images, volumes and light fields; a model of everything, sensed in slices.

Triton 47
The name of the blog. The author signs as Ajinkya and publishes as triton7777.

THE COMPLETE BLOG

Every post, 2015–2026

Posts printed in this magazine are in bold with their page number. All 544 are online at https://build.nebulytic.com/triton47/.

2015

27 May Hello world!

2018

12 Jan Intelligence and Computing
02 Mar Some philosophical things
01 Apr Thinking and consciousness, Start of a journey...
22 Jul Question to conciousness

2019

30 Sep Conforming entities!

2020

27 Aug **Connecting to unconscious**
04 Sep **Excerpts of my mind**
11 Nov Story of my twitter
22 Nov Alternate physics

2021

16 Jan Gibbs reflective cycle
20 Feb Resonating other one piece
17 Apr **Summertime**
28 Apr Questions!
30 Apr Questions2
25 May Link of thougths
01 Jun Link of thoughts 2
10 Jun How to get a funding?
26 Jul Politeness and Respect
30 Aug Existence

2022

02 Mar Sense
17 May Universe, thoughts, and feelings
20 May Reality is subjective
20 May Research topics and a mystery of life
21 May Emotions and rationality
23 May Mindset
26 May Sci-fi
28 May How did life form?
31 May Just writing my mind
04 Jun Life is a game, Game is a life
06 Jul I wonder what should I write!
08 Jul Knowledge transfer
09 Jul Life is something which only happens once!
12 Jul Lost in thoughts ...
13 Jul Dentists appointment
13 Jul Don't get played as a fool!
15 Jul How to think!
15 Jul **How to read and write, in a fast paced world!**
17 Jul The invisible
18 Jul Force of the society
20 Jul A person
22 Jul Coming to an observation
23 Jul Music as a tool for thinking
24 Jul Subjugated worlds
24 Jul What is 'Human'? on various timescales
26 Jul ...
29 Jul Fixing James Webb mirror
31 Jul Quotes
23 Oct Independent being model
20 Nov Do you think?
29 Nov Reversible and Irreversible
29 Nov Bending concepts
09 Dec What is thinking? A thinking machine
24 Dec thinking thoughts, a need for a thought machine
26 Dec Just my current life – diary

2023

06 Jan Fantasy fiction thought
21 Jan Developing imagination and interpretation till post teenage
12 Feb Dissolve existing structure of science and recreate a newone
03 Mar Untitled (2023-03-03)
07 Mar Where is the edge of technology?
16 Mar We don't need bars cuz I need is a space bar!!!
22 Mar Human model simulation
25 Mar Soothing music
26 Mar Celestial Chronicals of a boy named Tim
26 Mar Conversations with ChatGPT 3.5
05 Apr Large language models : a crowd intelligence
09 Apr Long term planning in AI age
15 Apr Measuring human emotions
19 Apr theory of sentience matter and related things
26 Apr Conscious entity
14 May Writing
21 May "Evolution of Automobile Technology: A Journey through Vintage Educati
05 Jun Greatness
30 Jun 'Thinking resolution' of brain
12 Jul "Channels of Modern Information: Influence on Perception and the Role
13 Jul Few consciousness books
14 Jul Continuation of knowledge in new beings
17 Jul Languages and communication of beings
31 Jul How to think 2: Motion in thoughts
04 Aug Thinking AI and Being
22 Aug Unit of human effort
22 Aug Tracking thoughts
25 Aug Awareness and ignorance
28 Aug Constrained behavior of person
01 Sep What is you as a genetic being?
04 Sep Sets
22 Sep life experience in 4D universe
03 Oct Fascinating Imagination
12 Oct Feeling of living
16 Oct Use of GPT for DNA sequence learning
20 Oct AI ethics and personal use
30 Oct Augmented Reality (AR) workbench
31 Oct Tapestry of Life's Pleasures
31 Oct Ownership
06 Nov Flow
06 Nov What matters next?
09 Nov AI Day Ethics discussion
09 Nov Why I must keep on working?
17 Nov Birth of energy and matter
18 Nov Why life as we know formed?
20 Nov Limitations of space
23 Nov Research work art gallery
05 Dec Beyond this universe
17 Dec **Recipe for everything**
26 Dec LLM – Large Language Models : What are they really?
28 Dec How AI generation typically (may) work?

2024

02 Jan Living by the feelings
02 Jan Behavior or people in social setting
08 Jan **Sustaining Consciousness**
11 Jan How have the world got here we are today?!!
13 Jan **concept of Global Collective Consciousness**
14 Jan Conveying of an idea
24 Jan **Coping up with the understanding of fast paced research,**
06 Feb Use of bio-monitoring with navigational aids
10 Feb Intelligent evolution
12 Feb How does everything around us exist, i.e. I, plants, ... etc
13 Feb Learning the behavior, .. co-existence, awareness
13 Feb What happens after people die?
18 Feb problems
18 Feb work and job
18 Feb Future AI information data
21 Feb Bringing change into the world
21 Feb Setting target research
26 Feb How to use AI effectively
28 Feb Autonomous Systems : a conglomeration of looped systems
28 Feb disadvantaged society: crumbling society
04 Mar "Beginnings are such delicate times"
05 Mar Why many great books just feel out of league
05 Mar Existence, reality, also why large corporations have caused curious pe
05 Mar Future and present: transportation
11 Mar Some thoughts
15 Mar ReALM analogies
23 Mar Process of writing
25 Mar Gone Era
28 Mar Experience of the world through the eyes of a human mind
28 Mar journey to another planet
29 Mar what matters?
30 Mar What are you living? the facts or the story
31 Mar Why good intention matters, and positive thinking is key to survival!
02 Apr **Mathematical theory of consciousness**
02 Apr Why+How experience , perception, thinking?
05 Apr "Exploring the Nexus of Desire, Obligation, and Capability: A Philosop
09 Apr How to live a good life, mentally and physically
09 Apr Forces currently driving evolution
13 Apr WaterTower music
15 Apr Consciousness and everything connected
18 Apr Breaking free from the shackles of AI algorithms
20 Apr Can one (something) trigger the conscious experience without any senso
13 Aug Next form of a being
14 Aug Earth, Mars, and the Moon
17 Aug Android to android
21 Aug Concept of a Holographic 3D Display Based on Decaying Particles Emitti
29 Aug Neural network, efficient network of the future
06 Sep Present, reality
17 Sep Nature of understanding, and understanding of nature
19 Sep Wearable AR computer
20 Sep Typing in the Air: A Futuristic Approach to Seamless AR Interaction
23 Sep Driving factors in society for personal growth
24 Sep **IF we were to define the definition of "spirit"**
28 Sep ChatGPT: Quest-ions for robust physical body
01 Oct Bioforms
07 Oct Controllable system

07 Oct Evolution or protruding forms in time
09 Oct Autonomous agents
11 Oct Veil of consci
11 Oct decision factor
11 Oct **Invisible production**
11 Oct Multicoder agents for software development
11 Oct **Human body energy consumption**
13 Oct **Home automation**
19 Oct Smart Fridge Concept
21 Oct self running isolated systems
21 Oct why does noise hurt
22 Oct **How to automate life**
22 Oct Sentience robot
22 Oct Ambiguity of my rational mind
23 Oct 3D chips
23 Oct Developing new technologies
08 Nov Utopian technologies
09 Nov Two modes of existing in terms of thinking while doing something
13 Nov Existed, existing, will exist
19 Nov **Dynamic 3d printing – idea**
21 Nov The Future of Humanity, AI, and Extraterrestrial Forces
23 Nov Hybrid AI-Human mind control
30 Nov Sometime in the past
01 Dec **The Layers of Identity: How Games and Surroundings Shape Us**
01 Dec Magic,
07 Dec Typing, AI, and set of actions you take to achieve something
07 Dec **A machine to make any gadget?**
08 Dec Thoughts on LaBrea, 5th dimensional time
09 Dec **Maker-Space**
11 Dec Full fledged workflow for making a digital gadget
13 Dec **Bambu Lab A1 and A1 mini 3d printer, some stuff, slime mold, thoughts,**
14 Dec Untitled (2024-12-14)
14 Dec Overwhelming world, understanding reality
15 Dec A part of us what we are is what we make and bring out in the world
15 Dec **Surviving Mars Board game idea**
15 Dec material printers, self assembly, and PlanetCrafter
16 Dec Open nature programming
18 Dec **Arctos Robot ARM – Build Day 1**
22 Dec Evolution of Automaton
24 Dec **Day 2,3,4-5,6-7 of Arctos Build**
25 Dec Beyond the dystopian future
25 Dec Automated manufacturing and assembly
26 Dec **Day 8-9 of Arctos robot assembly – motion**
28 Dec Transformer
30 Dec Fictional Metallic evolutionary beings akin to Carbon based lifeforms
31 Dec **Automatic laundry folding**
31 Dec The Gradient of Progress and the Fulfillment of Life

2025

03 Jan Lab
04 Jan Closed-loop existence
04 Jan Need to separate from definitions to understand universe better
04 Jan Materials of the future
05 Jan Slow evolution, from carbon based life to metallicAI
05 Jan Graviton cancellation
06 Jan Robot transformer Vision Language Action development
06 Jan AI algorithms, the energy, and the cost
06 Jan Modular Personal Private Cocoon (MPPC)
07 Jan An idea of a AI robot partner: NEUROGEN and EUNOIA
09 Jan Action of thinking
09 Jan Working, passion , and issues
09 Jan **Reality of societal advances**
09 Jan **Size of book a person writes**
13 Jan Transaction and Contract
13 Jan Rise in human skill and intelligence, – random questions in moment
14 Jan Information size of cell to universe
15 Jan Life 1 day
15 Jan No time to read, trust the intuition and awareness
18 Jan What is academia?
19 Jan I'm not what I feel, but the structure feeling it
21 Jan How to choose a job?
22 Jan Age of AI and laziness
23 Jan AI subservence and our mind
24 Jan Reality of influences of people
25 Jan What kind of work-cubicle do I need now
25 Jan Gap between the state-of-the-art and what you have
26 Jan breaking the shackles of the mind
26 Jan **Modular robotics**
30 Jan Simulating society
02 Feb Anomaly
04 Feb Hmm.. demand vs supply
05 Feb Ripples and complementarity
05 Feb The Endless Flow of Money: Why We Keep Buying Things We Don't Need
09 Feb Magnets, monopoles, and dimensions
09 Feb **Washing dishes**
16 Feb Sugar powered actuators (muscles)
17 Feb Action Lifeforms
18 Feb Training of an AI model, and understanding diffusion simply
18 Feb Cellular automata
24 Feb Robot integration e.g. evening
28 Feb **Human population model**
05 Mar Evolution and Emotions, cultures
09 Mar Muscle fibers thread – idea
09 Mar Behavior and conditioning – personal outlook
12 Mar The Subtle Ways Life Shapes Our Choices – social existence and intimac
12 Mar Emotional Detachment in Modern Society: Sociological and Psychological
12 Mar Energy extraction in universe
12 Mar Foreseeing using AI
12 Mar Untitled (2025-03-12)
14 Mar Entropy action growth time
14 Mar Mathematics, association perspective
14 Mar Abundance?
15 Mar Thinking and adapting neural networks
15 Mar Loan and repayment
15 Mar We are compromized beings
15 Mar Reality of permits
21 Mar 3D universe as perception
22 Mar Teribelle
23 Mar Nature creation of life and its limitations of natural creation
25 Mar Transportation
25 Mar Era of the superlazy
25 Mar Birth of universe
26 Mar True past futures
28 Mar Programming brain using words
28 Mar Source of creation
30 Mar Breaking associations
30 Mar QM
31 Mar Space element maker
02 Apr Defining a job
02 Apr Boardgames and randomness
04 Apr Money and life
05 Apr old vs new ones
07 Apr 3d particle photon hologram display idea and teleportation
08 Apr Human Vitality
08 Apr Humanlike computer and robotlike human
09 Apr **Beyond Centralization**
09 Apr Immigrant life
11 Apr Person overall
11 Apr Ideas to reality
11 Apr The Forgotten Art of Rest: When Silence Becomes the Answer
17 Apr Statements
18 Apr 🧠 AI's True Purpose
19 Apr The loop
19 Apr Birth-death nodes
19 Apr Diffusion Growth model for organism
19 Apr Harbour and its future
20 Apr P·L·A·N — augmented collective intelligence
07 May Knowing and predicting
11 May Fundamental and complex forces
14 May The Being, purpose and observation
14 May Context Shapes Being
14 May A fun post – center of existence
20 May Flow of thought vs the flow of write
20 May Societial (orjustmy) challenge
21 May Whats next, after humanoid robotics
21 May **Time is precious, many things in imagination**
22 May Simplifying economy
23 May Philosophy of perfection
23 May I thought I should write down
23 May TinyTroupe-personality simulator idea
26 May Why English—and All Natural Languages—Fail to Convey Meaning with Prec
28 May World can only be better when...
28 May Capitalism is controlling you, why it is bad
28 May **Business tips**
04 Jun Money flow
04 Jun Building Bridges, Not Just Roads: Why Familiarity Fuels Local Supply
07 Jun Thinking leaves a mark in your neural mesh a.k.a. brain
12 Jun Don't want to sequentialize operations, want everything accessible at
14 Jun Money is power at times, but power is money and more
14 Jun Material is all you need
14 Jun **DNA as a software program**
15 Jun AI for survival?
18 Jun Personalization
20 Jun Seeking attention? in flow state?
20 Jun Existing entities – businesses
23 Jun Beyond the Single Screen: Imagining the Distributed OS for the AR Era
25 Jun How to write a report?
28 Jun Like, Comment, and Share
28 Jun Ingrained reality
29 Jun Scripting, Markup, CSS, 3D
29 Jun Make Flow
30 Jun SaaS and hotel, whats in common : personal space
04 Jul Overwhelming confusion while engaging with automation tools
05 Jul Making a MVP
05 Jul Money and services
05 Jul **Behavioral object based tracking**
07 Jul Overwhelming or slow?
08 Jul Automated Sand-to-Chip Foundry Flow
08 Jul Gemini 2.5 Windsurf runaway
09 Jul Principles of death
09 Jul What do you want?
14 Jul Making applied software solo (using AI and computer)
14 Jul Skin, Selection, and the Illusion of Innocence
14 Jul Realtime input GPT transformers
15 Jul Inventions in the air
16 Jul Compelled to labor
17 Jul Cryptoland
17 Jul limitations of AI or experience
19 Jul if consciousness is concentrated
26 Jul optimizing experience – based on materials
29 Jul Core unmet needs of society
30 Jul When the existing norm becomes undesirable

30 Jul Health ultima-care
31 Jul AI and me
01 Aug Reinventing Human Skin: Engineering Stronger Tissues with High-Energy
01 Aug Its always 4AM
13 Aug Realtime agent-being
21 Aug Everything Energy
25 Aug Money sources
31 Aug Breath as the Currency of Work: Envisioning a Post-Labor Society
13 Sep Rules in world of AI
14 Sep Money and sustenance
14 Sep Typical languages and intelligence
14 Sep Goal oriented development
23 Sep **Conducting research: bits and pieces - version 0.1**
24 Sep Untitled (2025-09-24)
01 Oct Self care automation
01 Oct **World of giants of forms**
03 Oct From Points to World-Fields: A Journey Through Representations of Real
10 Oct Monetizing essentials
16 Oct Cheap and expensive
28 Oct Separating passengers from cargo
04 Nov Value expenditure in idleness
05 Nov order custom parts beyond PCBs, and 3D – e.g. sensors, chips, near fu
05 Nov Something off with the world – independence
06 Nov Make your own chips
11 Nov Engineering shift
15 Nov Future SLS printing
16 Nov Life is energy
17 Nov Life, consciousness, limits
18 Nov Bio-actuators
30 Nov Entity living in a complex system
01 Dec Electrical analogue of flowing money : financial circuits
01 Dec Looking at transformers as transistors, and models differently
02 Dec Looking at neural network weights
05 Dec Symbols for programming reality
06 Dec Wrong assumptions
07 Dec Vision of a global world
07 Dec **Selling-something-someone (SSS)**
18 Dec Work employment : birds-eye vie
18 Dec How do you become?
21 Dec Everything at one place
22 Dec Experience of creating your own product
22 Dec How people end up with old stuff
22 Dec Space time
23 Dec Robot grab-action-release
23 Dec Local laws of universe
24 Dec D4RT generalization and Thinking
24 Dec Make money online by selling course/your idea
24 Dec Shipping
24 Dec Selling and Vibecoders
25 Dec Why AI vibecoding fails (for now)
25 Dec Only a certain kind of users will use your service
25 Dec World of Cybertrons
25 Dec cities will be automated
28 Dec Being as a wave, sustaining of it
28 Dec Startup-ideation
31 Dec Money, value of money, and universe
31 Dec Game of life
31 Dec Effect of place, its association on human minds
31 Dec **Laws of reversed universe flow and multiple time dimensions**

2026

03 Jan Viewpoint of place in society
06 Jan LLMs to store information
09 Jan Sensory monitoring or monitoring the senses
09 Jan existence, another perspective
09 Jan Why young / teenagers behave certain way in society
10 Jan laws of world and flow of life
11 Jan Automation is key to complex life
11 Jan questions to Gemini AI: fusion, forces,
13 Jan AI agentic action in world
13 Jan **Matter flowing to the present, constantly**
13 Jan Grim reality and work 4 survival
13 Jan . The Core Chemicals of Desire
13 Jan Personal all-around activity tracker:
16 Jan brain folds
16 Jan Free and uncertain
19 Jan human vs LLM : text more precise or jumblish
22 Jan Arranging scientific articles
24 Jan Command or surrender
27 Jan Embracing AI tools
29 Jan Enjoying
29 Jan Vibecoding and jobless?
29 Jan humans and animals
29 Jan fail to see the point?
31 Jan Law of consciousness -payment as psychic experience energy
01 Feb Hand neurons
03 Feb Flow energy
06 Feb human errors – automation
06 Feb Scientific mind
07 Feb **Body, aging, sustenance,...**
07 Feb Neurons in body, and soul
09 Feb How new thoughts arise
10 Feb Human
12 Feb **Volumetric local computing**
14 Feb **Surgical Automation**
14 Feb **Eyes of the North: How Multi-Spectral AI is Decoding the Arctic's Froz**
15 Feb Growing LLMs
15 Feb Being unemployed is an unpaid job
20 Feb Survivalist automations
20 Feb Digital twin – body probing
20 Feb Survival and intelligence
27 Feb Construction Steps of the Crimson Marauder
27 Feb **Augmented AI-XR**
27 Feb Complexity entropy world
28 Feb Mutable apps
01 Mar tissue organ 3D AI simulations
02 Mar experience – live
04 Mar Untitled (2026-03-04)
05 Mar final goals of research
07 Mar Electro-biomechanical beings
10 Mar Food groceries and eating
11 Mar Grasping of reality
12 Mar Reality and world – forms of intelligence
17 Mar Micro engineered moving spatial structures
20 Mar AI flow gaps universes
20 Mar Self reflection / dev tech
21 Mar Human body – past 24 hrs
22 Mar flow and world
24 Mar **money and invisible action**
29 Mar autonomous beings, knowlege, and me
02 Apr digital world
06 Apr cost of existing
07 Apr mechanical human essence
07 Apr Chaotic neural unit
07 Apr imagination-consciousness
07 Apr Coding bioforms
07 Apr **2313AD – cellular forms**
07 Apr engineered cells
09 Apr The Overall View: Coastal Post-Futuristic Architecture
12 Apr reflection – conscious state – movement existence
13 Apr World's Definition space
13 Apr constrained? Universe of many
13 Apr engineering beyond Plank's scale
14 Apr not disproved things mindset – scifi
15 Apr The City of Shadows: Is Our Reality a 3D Slice of a 4D World?
16 Apr **beyond 3D**
26 Apr XR in world model
26 Apr absolute space awareness engineering for reliable safe existence
26 Apr my peculiar conscious experience in hospital after surgery
27 Apr Shaping society
27 Apr deadline
29 Apr .. draft timetravel
29 Apr .. to write.. abundance and infinite dimensions of universe,
29 Apr pushing on cellular level
08 May Understanding individual financial spending
09 May Reading : Vision Language tokenizer in your brain
09 May Jobs – unfitting criterions – ? something out of society – new
12 May Simulating cellular life
15 May Sales and impact
15 May Map of pain on body
15 May life, self experience belief
15 May Lyrics for "Celebrate" by Match Cature:
17 May What is AI?
17 May energy flow dissipation
17 May small and giant
17 May Solution-Problem
20 May Camcorder Video Data Logger : Product idea
21 May Money as equivalent of energy, and guiding structure
22 May Converging reality
24 May Higher dimensional and dynamic scripts
26 May Focusing conscious in a scenario
29 May Where to begin?
29 May economic deflation
31 May information mapping between spaces
05 Jun realizing potential of universe..
06 Jun Parallel manufacturing
10 Jun **Structure universe flow**
12 Jun Discovery and mass implementation, and money
14 Jun **personal news**
14 Jun expanding maths to abstract concepts through text
15 Jun Matter and materials
15 Jun perception – dimensional evolution
16 Jun Surrounding environment
17 Jun **Decisions of associative life**
20 Jun MCU universe sequence
21 Jun Health criticality prediction
26 Jun **A higher dimensional being**
28 Jun upside down viewpoint of world society
28 Jun parallel space or higher dims
04 Jul instruction coded generation
07 Jul Systemic k***ing
12 Jul Thought trace trained LLMs
12 Jul singularity-hyperdimensions
12 Jul Knowledge as structure
14 Jul space of awareness and possibilities
21 Jul uncontrolled economy
23 Jul limitations of current XR glasses, whats needed
24 Jul **XR of future**
24 Jul Absoluteness, Conscious, anti conscious, universe,
29 Jul brain activity dreams and thinking
15 Aug Music perception visualizer idea
15 Aug Sensory associative programming/learning
23 Aug life-cell-abiogenesis-early-earth
28 Aug **Development in age of AI**

NOTES

Nobody may read your posts, but in future, AI certainly would, and system can update its state based on your activity.

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