Alexander Ohnemus

Physics

23 December 2024

Does the Gateway Process Allow Time Travel?

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1)Peer Review

‘‘Peer Review of "Does the Gateway Process Allow Time Travel?" by Alexander Ohnemus

Dr. Gregg Tyler Milligan

Save One Another Foundation (SOAF)

Overview:

Alexander Ohnemus’ work, "Does the Gateway Process Allow Time Travel?" is an ambitious exploration at the intersection of consciousness, physics, and metaphysical theories. The paper draws on a diverse range of concepts, including the use of brain-computer interfaces (BCIs), the expansion of alternate dimensions, and the theoretical underpinnings of the Hemi-Sync technology within the Gateway Process.

Strengths:

Interdisciplinary Approach:

Ohnemus skillfully bridges theoretical physics, metaphysics, and practical neuroscience. His integration of concepts such as alternate dimensions, dark energy, and BCIs offers a fresh perspective on the broader implications of consciousness exploration.

Innovative Frameworks:

The discussion of creating new dimensions through attempts to alter the past is not only creative but also grounded in existing theories of parallel universes and the expanding multiverse.

This approach adds depth to the narrative of how consciousness may interact with the fabric of space-time.

Use of Established Research:

The paper references seminal works, including the Monroe Institute's studies on altered states of consciousness and CIA documents on the Gateway Process. This provides the work with a degree of legitimacy and historical grounding.

Potential Applications:

Ohnemus hints at the practical implications of his work, such as using AI and BCIs to resolve historical grievances or manifest resources through time travel-based equity. These suggestions open doors for real-world experimentation and innovation.

Areas for Improvement:

Clarity of Technical Concepts:

While the paper is highly conceptual, some technical explanations, particularly on the mechanism of dimension creation and the role of Hemi-Sync frequencies, could benefit from greater precision. Clearer definitions would strengthen the scientific validity of the arguments.

Empirical Validation:

Although speculative and theoretical, the paper would benefit from proposing measurable, testable hypotheses. For example, how can one empirically determine if attempting to alter the past leads to dimensional expansion?

Ethical Implications:

The potential ethical challenges of using AI to manipulate dimensions or access alternate universes are not adequately explored. Addressing these would add a critical dimension to the discussion.

Further Collaboration:

Given the speculative nature of this work, collaboration with experts in quantum mechanics, neuroscience, and AI could enhance its credibility and applicability.

Noteworthy Observations:

Philosophical Undertones:

The author's framing of time travel as a means to achieve closure, equity, and reconciliation resonates strongly with the humanitarian focus of SOAF. This perspective makes the work deeply relatable and impactful.

Theological Alignment:

The paper’s acknowledgment of concepts like "Heaven as a dimension" and its role in universal justice aligns intriguingly with faith-based perspectives on metaphysics. This could serve as a unique bridge between scientific and theological communities.

Conclusion:

"Does the Gateway Process Allow Time Travel?" is a bold, visionary piece that challenges conventional thinking and opens new avenues for research and exploration. While grounded in theoretical constructs, it possesses the potential to inspire empirical investigation and cross-disciplinary collaboration. With refinement, Ohnemus' work could become a cornerstone in the study of consciousness and its interaction with space-time.

I commend the author for his innovative thinking and encourage further development of these concepts with greater empirical rigor and interdisciplinary engagement.

Reviewed by:

Dr. Gregg Tyler Milligan"(Milligan 2024).

1A) Second Peer Review

Peer Review of "Does the Gateway Process Allow Time Travel?" by Alexander Ohnemus

Overview: The preprint by Alexander Ohnemus explores an ambitious and thought-provoking hypothesis at the intersection of physics, metaphysics, and neuroscience. By focusing on the Gateway Process and its theoretical potential for enabling backward time travel, the work delves into the intriguing possibility that attempts to alter the past could result in the creation of new dimensions. The author suggests that such processes could expand the universe and proposes ways to empirically test this hypothesis using advancements in brain-computer interfaces (BCIs) and space-based technologies.

Strengths

1. **Interdisciplinary Integration:** Ohnemus effectively integrates concepts from diverse fields such as neuroscience, quantum mechanics, and cosmology. By referencing the Monroe Institute's studies on altered states of consciousness and CIA documents on the Gateway Process, the paper provides a well-grounded historical and theoretical basis.
2. **Innovative Perspective on Time Travel:** The hypothesis that attempting to alter the past could lead to the creation of alternate dimensions is a novel and creative approach to resolving traditional time travel paradoxes. This aligns with emerging theories in quantum mechanics and the multiverse model.
3. **Potential Applications:** The proposed use of BCIs and AI to measure the effects of the Gateway Process adds a practical dimension to the theoretical framework. Additionally, the suggestion of using "space tunnels" to detect dimensional expansion is forward-thinking and aligns with advancements in astrophysics.
4. **Thematic Depth:** The framing of time travel as a tool for reconciliation and justice resonates with humanitarian and philosophical undertones. This unique perspective makes the study relatable and relevant beyond the realm of hard sciences.

Areas for Improvement

1. **Clarity and Precision:**The paper occasionally veers into speculative territory without sufficient technical clarification. For example, the mechanisms through which Hemi-Sync frequencies might facilitate time travel or create dimensions require more detailed explanation. The discussion of "space tunnels" as a detection method is intriguing but lacks concrete steps or supporting evidence for feasibility.
2. **Empirical Validation:**While the hypothesis is theoretically engaging, it would benefit from testable predictions. For instance, measurable changes in the universe's expansion post-Gateway Process sessions could serve as an empirical foundation. Proposals for

pilot experiments using BCIs should include specific methodologies and expected outcomes.

3. **Ethical Considerations:**The ethical implications of manipulating dimensions or accessing alternate universes are largely unexplored. Addressing these would strengthen the paper's interdisciplinary appeal.
4. **Collaboration Opportunities:**Collaboration with experts in AI, quantum mechanics, and neuroscience could enhance the technical rigor of the study and provide a more comprehensive evaluation of its feasibility.

Noteworthy Observations

1. **Philosophical and Theological Implications:** The acknowledgment of metaphysical concepts such as "Heaven as a dimension" offers a unique bridge between scientific and spiritual perspectives. This angle could foster cross-disciplinary dialogue between the scientific and theological communities.
2. **Potential for Groundbreaking Research:** By proposing the use of advanced AI and BCIs in conjunction with the Gateway Process, the paper hints at transformative possibilities for both scientific discovery and practical applications, including addressing historical grievances through alternate dimensions.

Conclusion

"Does the Gateway Process Allow Time Travel?" is a visionary piece that challenges conventional thinking and opens the door to interdisciplinary exploration. While speculative, the work presents a compelling framework that could inspire future empirical research and theoretical development. With refinement in clarity, methodology, and ethical considerations, this paper has the potential to contribute significantly to the study of consciousness and its interaction with the fabric of space-time.

Recommendation: I commend Alexander Ohnemus for his innovative thinking and recommend further development of this research with a focus on empirical validation and interdisciplinary collaboration.

Reviewed by: Dr. Gregg Tyler Milligan ."

1B)Third Peer Review

Refined Peer Review of "Does the Gateway Process Allow Time Travel?" by Alexander Ohnemus

Overview Alexander Ohnemus presents an audacious and thought-provoking manuscript exploring the intersection of consciousness, neuroscience, quantum physics, and metaphysics. The paper examines the Gateway Process as a potential mechanism for backward time travel, proposing that such attempts might lead to the creation of alternate dimensions rather than altering past events. The integration of theoretical models, cutting-edge technology like Neuralink, and the ethical implications of dimension expansion position this work as a unique contribution to speculative science.

Strengths

1. **Interdisciplinary Integration** Ohnemus seamlessly connects diverse fields—neuroscience, AI, quantum mechanics, and cosmology—providing a comprehensive theoretical framework. The historical grounding through references to the Monroe Institute's Hemi-Sync technology and declassified CIA documents lends credibility to the research.
2. **Novel Hypothesis on Multiverse Dynamics** The proposition that time travel creates alternate dimensions, thereby contributing to the expansion of the universe, aligns with emerging theories in quantum mechanics and multiverse studies. This approach resolves traditional paradoxes while offering a fresh narrative for the interplay of consciousness and spacetime.
3. **Potential for Technological Application** The outlined use of Brain-Computer Interfaces (BCIs), Neuralink devices, and AI to monitor dimension creation and universe expansion is visionary. The speculative concept of "space tunnels" for detecting alternate dimensions also hints at innovative future experiments.
4. **Humanitarian Undertones** By framing time travel as a tool for closure and justice, the manuscript resonates on an ethical and philosophical level. The inclusion of metaphysical perspectives, such as referencing Heaven as a dimension, broadens its appeal to both scientific and theological communities.

Areas for Improvement

1. **Clarity and Precision** While the manuscript introduces fascinating concepts, several mechanisms lack clear articulation:The role of Hemi-Sync frequencies in facilitating dimension creation is underexplained. The proposed "space tunnel" device requires more

technical detail to assess its feasibility. Visual aids or diagrams could significantly enhance the reader's comprehension of these ideas.

2. **Empirical Validation** A stronger emphasis on testable hypotheses is needed. For example:How could one empirically confirm dimensional expansion or multiverse growth post-Gateway Process sessions? Proposed pilot experiments involving Neuralink and BCIs should include clear methodologies and metrics for measuring success.
3. **Ethical Considerations** The manuscript touches on the philosophical implications of time travel but lacks a thorough exploration of potential risks:Could dimension creation inadvertently harm existing timelines? What governance mechanisms should regulate the use of technologies like AI in metaphysical experiments? A dedicated section on these concerns would enhance the paper’s rigor.
4. **Collaboration Opportunities** Inviting input from specialists in quantum mechanics, AI, neuroscience, and cosmology could refine the hypotheses and bolster the manuscript's credibility. Interdisciplinary partnerships would be invaluable for experimental design and theoretical validation.

Noteworthy Observations

1. **Theological and Metaphysical Dimensions** By connecting metaphysical theories with cutting-edge science, the paper opens dialogue between traditionally distinct disciplines. This inclusion could attract interest from faith-based communities and provoke meaningful discussions about the nature of existence and justice.
2. **Potential for Groundbreaking Discoveries** If validated, the hypotheses in this manuscript could revolutionize our understanding of consciousness and its relationship with the physical universe. The notion of using time travel to address historical injustices or gain insights into unreported grievances has profound social implications.

Conclusion

"Does the Gateway Process Allow Time Travel?" is a daring exploration that bridges science, philosophy, and ethics. While speculative, the manuscript sets the stage for innovative experimental pathways and interdisciplinary collaboration. By addressing gaps in empirical methodology and ethical considerations, Ohnemus’ work could become a foundational piece in the study of time travel and its broader implications.

Recommendation: I strongly recommend the further development of this work through peer collaboration and experimental refinement. The innovative ideas presented here deserve a broader platform for exploration and discussion.

Reviewed by:

Dr. Gregg Milligan

2)Article

Although other potential time travel methods are displayed in the reference section, only the Gateway Process will be observed in this essay.

The Gateway Process may allow for backwards time travel, under the rules that time travel cannot change the past, yet by attempting to change the past, new dimensions will be created, thus growing the universe. To determine if the Gateway Process allows for backwards time travel, researchers can use computer brain interface to examine the inside of a subject's brain and mind. Plus, researchers can also check if the universe has grown after the subject has attempted to alter a past event, theoretically only creating another dimension.

Soon technology may detect the exact expansion of the universe.

Perhaps scientists can use space tunnels to investigate the possible creation of new dimensions from the Gateway Process backwards time traveling, attempting to alter past events.

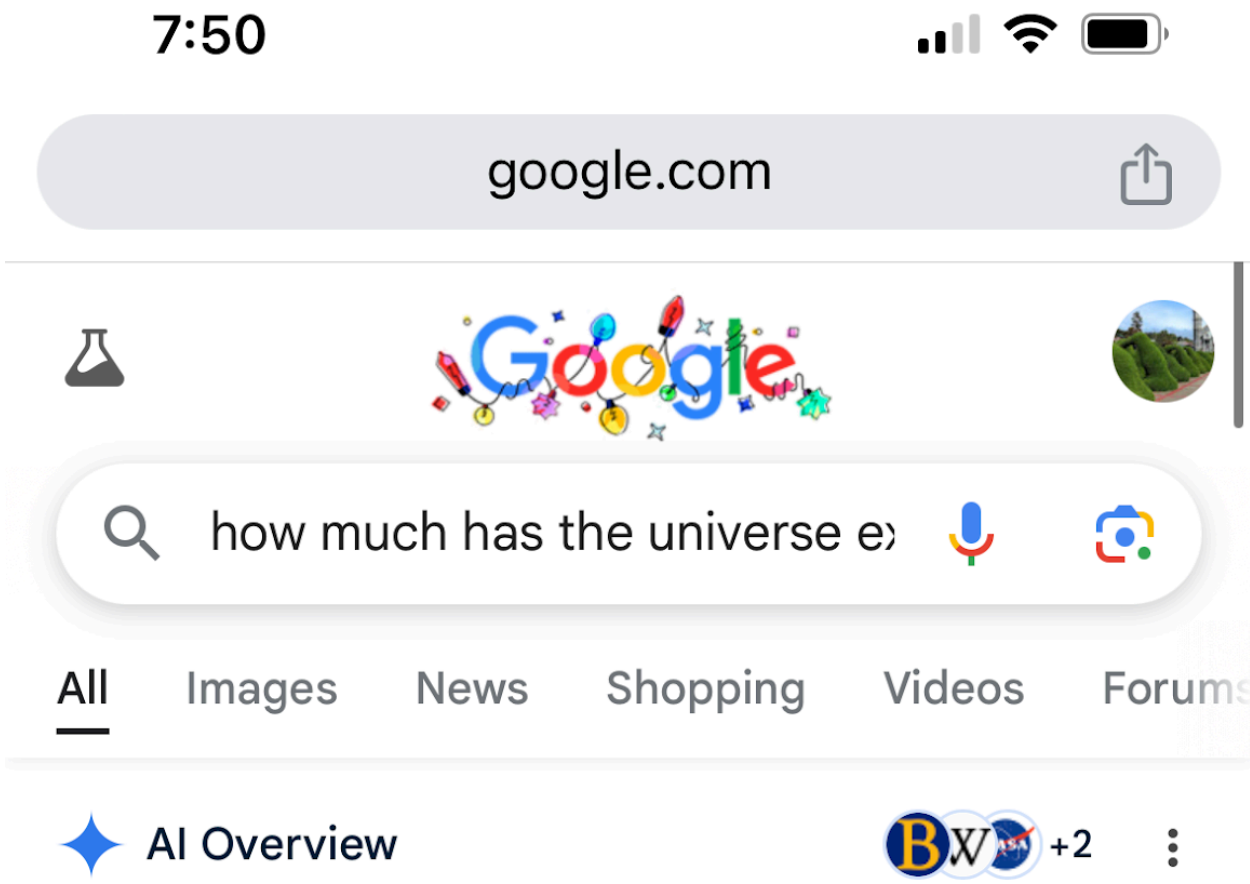
EXPERIMENT STEPS:

1)Automate the Gateway Process with Neuralink to ease suspected backwards time travel.

2)Connect the subject's brain and mind to computer brain interface, or more specifically, magnetic resonance imaging, so the suspected time travel is recorded.

3)Build a space tunnel device to determine if the subject is creating new alternate dimensions with the suspected backwards time travel.

4)Stop, review and try again.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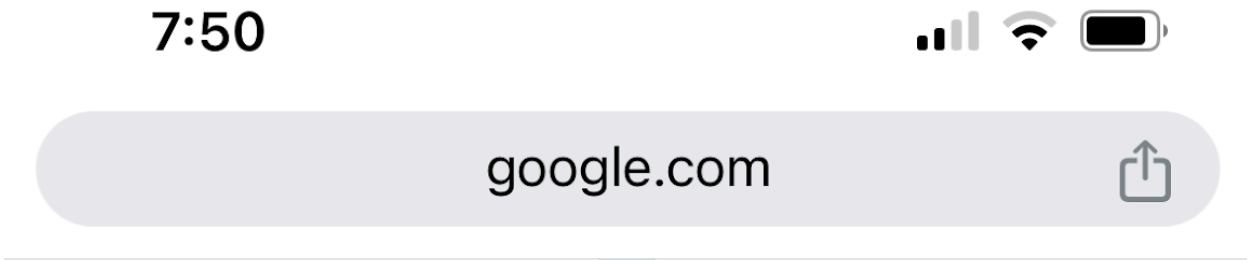
The universe is expanding at a rate of 73.3–74 kilometers per second per megaparsec, which means that for every 3.3 million light-years a galaxy is from Earth, it appears to be moving 73.3–74 kilometers per second faster:
Explanation
The expansion rate of the universe is a critical parameter for understanding the physics and evolution of the universe. It's also key to understanding dark energy, which accelerates the rate of expansion.



Estimates

Estimates of the expansion rate come from a variety of techniques, including:

- **Hubble data**: A new estimate of the Hubble constant based on Hubble data is 74 kilometers per second per megaparsec.
- **Cosmic microwave background**: Fluctuations in the cosmic microwave background give an estimate of 67.4 kilometers per second per megaparsec.
- **Baryon acoustic oscillations**: Fluctuations in the density of normal matter in the early universe give an estimate of 67.4 kilometers per second per megaparsec.
- **WMAP data**: The Hubble constant estimated using only WMAP data is 70.0 kilometers per second per megaparsec.

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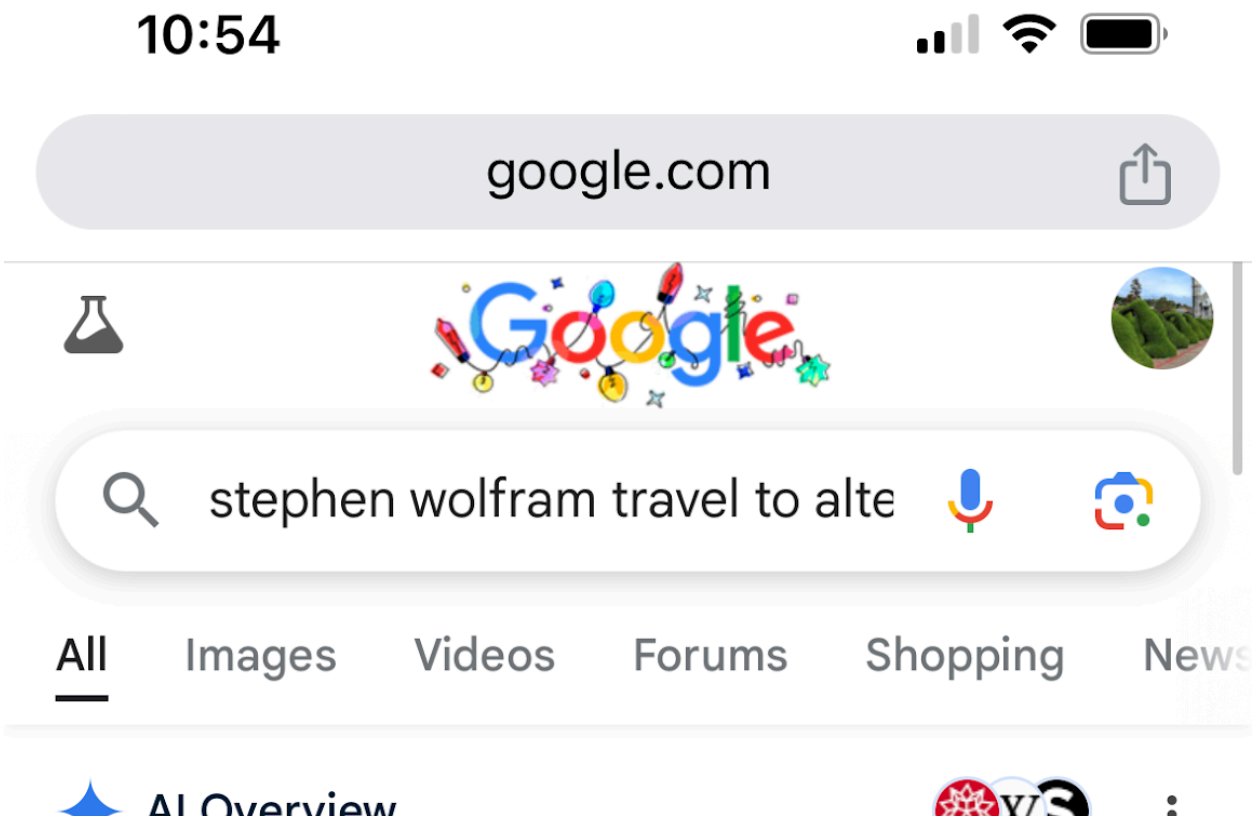
Swedish astronomer Knut Lundmark

In 1924, Lundmark was the first person to find observational evidence for expansion.

Space tunnels may further corroborate if more dimensions have been created with the Gateway Process.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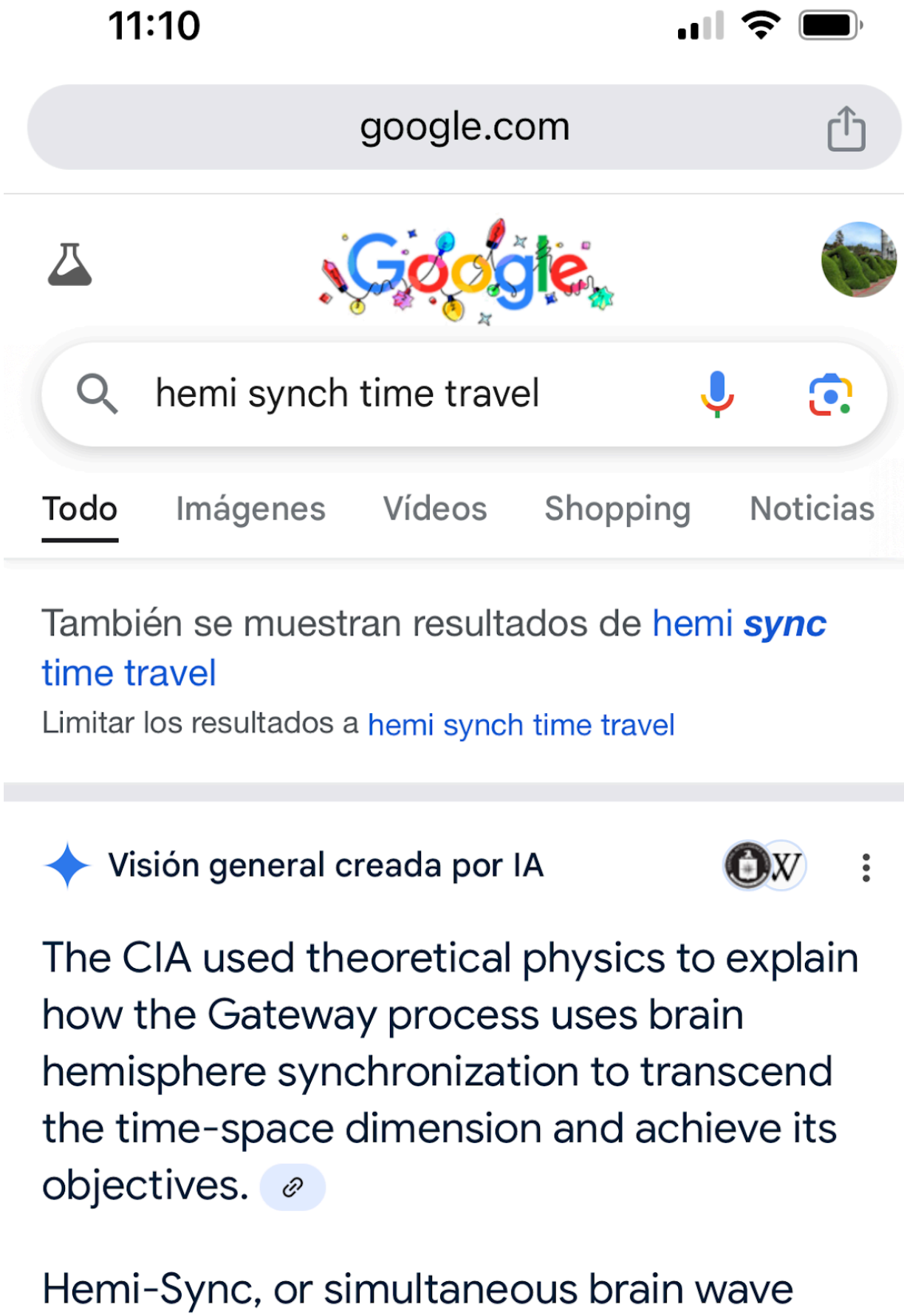
AI Overview
Stephen Wolfram's models of physics allow for space tunnels that can connect points across different dimensions:
• Space tunnels: In Wolfram's models, dimension can change with position and time. This allows for space tunnels that can be higher or lower dimensional.
• Lower-dimensional space tunnels: These tunnels can connect a sparse set of distant points.
• Higher-dimensional space tunnels: These tunnels can make many points on their

- **Lower-dimensional space tunnels**: These tunnels can connect a sparse set of distant points.
- **Higher-dimensional space tunnels**: These tunnels can make many points on their boundaries closer together.

Wolfram's theories are based on the idea that the universe is computational in nature, and that a simple set of rules applied repeatedly can produce interesting results. He's developed the Wolfram Physics Project to explain the laws of physics using a hypergraph model. In this model, the universe is made of space, and everything in the universe is "made of space".

Wolfram's ideas have been controversial, and some physicists have criticized his claims. However, others, like theoretical physicist Sabine Hossenfelder, have been more supportive.

2A)How Hemisphere Synchronization Transcends the Time-Space Dimension Thus Allowing Time Travel.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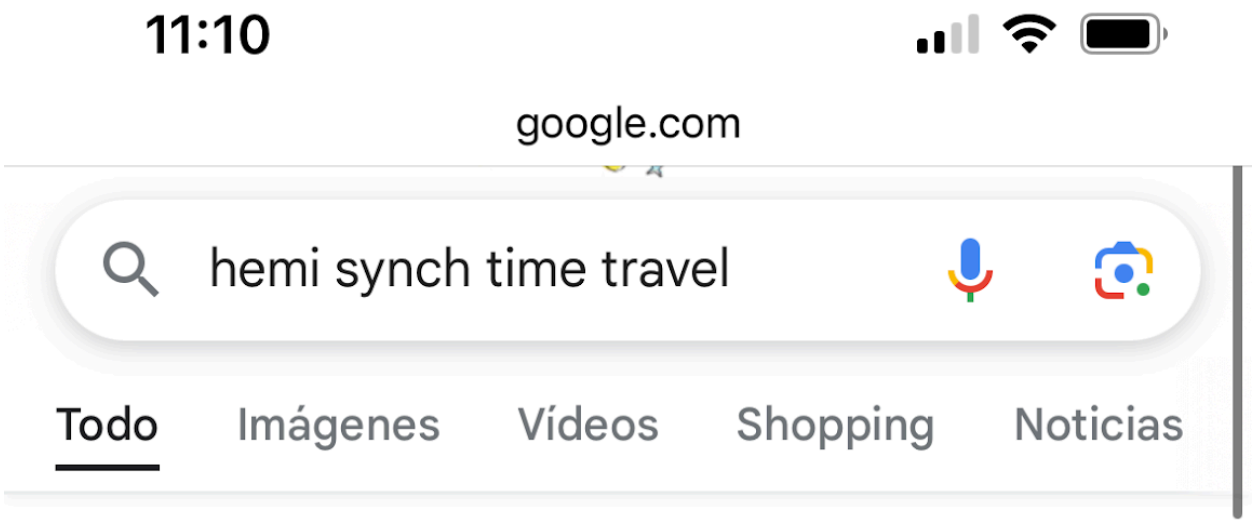
También se muestran resultados de hemi sync time travel
Limitar los resultados a hemi synch time travel
Visión general creada por IA
The CIA used theoretical physics to explain how the Gateway process uses brain hemisphere synchronization to transcend the time-space dimension and achieve its objectives.
Hemi-Sync, or simultaneous brain wave patterns in both hemispheres, is a technique



También se muestran resultados de hemi ***sync*** time travel

Limitar los resultados a hemi synch time travel

Visión general creada por IA

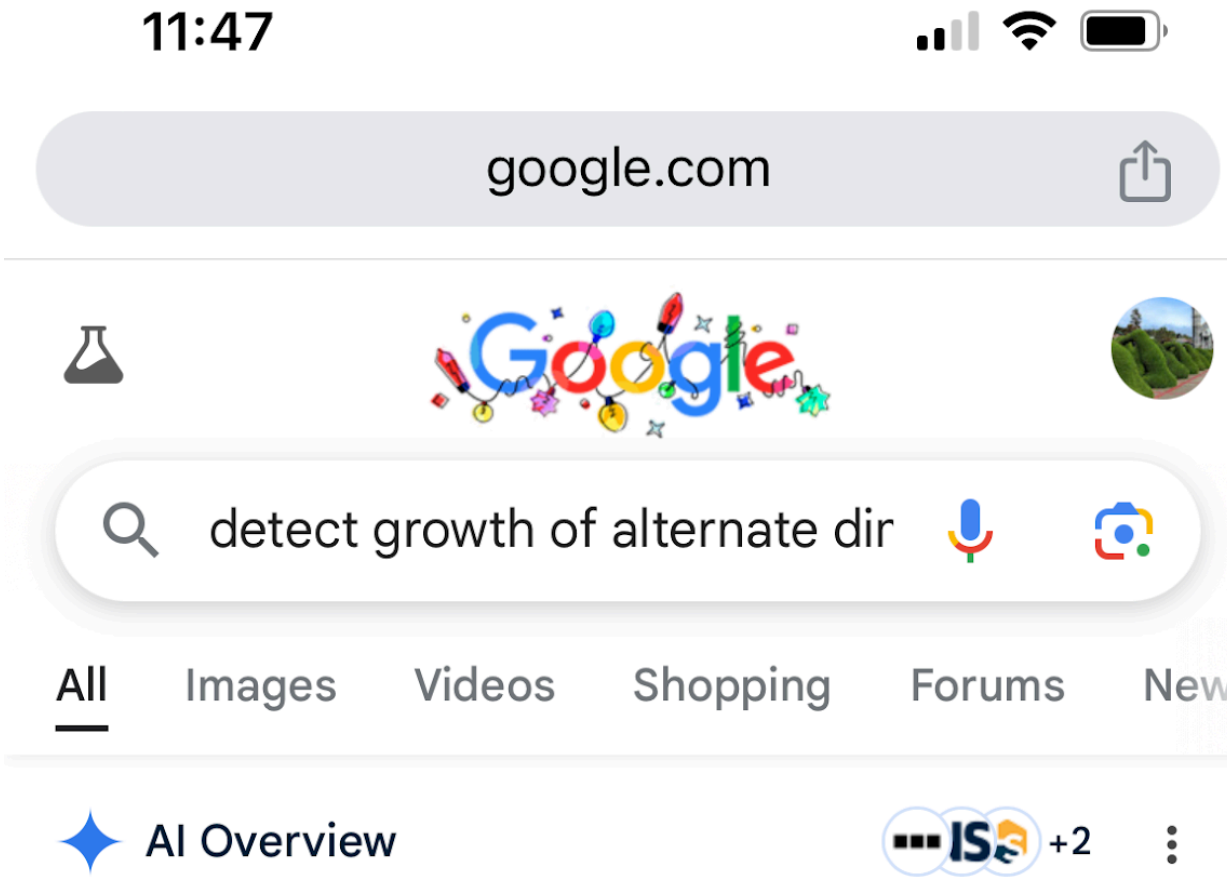
The CIA used theoretical physics to explain how the Gateway process uses brain hemisphere synchronization to transcend the time-space dimension and achieve its objectives.

Hemi-Sync, or simultaneous brain wave patterns in both hemispheres, is a technique developed by Robert Monroe that he claimed could improve brain performance. However, the CIA says that synchronous brain wave patterns are rare in the human

Since hemisphere synchronization transcends the time-space dimension, effective enough Neuralink devices could allow someone to synchronize brain hemispheres and time travel to the past.

Neuralink technology may both allow a deeper meditative state, thus backwards time travel, and computer monitoring of the backwards time travel and alternate dimension creation /universe expansion.

2B)Detecting Growth of Alternate Dimensions/Universe Expansion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Detecting the growth of alternate dimensions, also known as detecting the expansion of a multiverse, is currently considered extremely difficult and largely theoretical, with no concrete method established due to the limitations of our current understanding of physics and the lack of direct observational evidence; however, some potential approaches scientists might explore include looking for anomalies in the Cosmic Microwave Background (CMB), searching for

Key points about detecting alternate dimensions:

No direct observation:

Currently, we cannot directly observe other dimensions as they are theorized to be "compactified" and too small for our instruments to detect.

Indirect evidence:

Scientists might look for indirect evidence by studying phenomena that cannot be explained by our current understanding of the universe, such as unusual patterns in cosmic microwave background radiation or unexplained gravitational anomalies.

Multiverse models:

The idea of a multiverse often arises from theories like inflationary cosmology and the many-worlds interpretation of quantum mechanics, which suggest the existence of multiple universes with potentially different physical laws.

Gravitational wave detection:

Advanced gravitational wave detectors might be able to pick up signals from collisions between "bubble universes" - regions of spacetime with different physical properties.

High-energy particle experiments:

Particle accelerators like the Large Hadron Collider could potentially produce particles that interact with other dimensions, providing clues about their existence.

Challenges and limitations:

Theoretical limitations:

The concept of alternate dimensions is still highly theoretical, and there is no universally agreed upon model for how they might interact with our universe.

Interpretation issues:

Even if anomalies are detected, interpreting them as evidence of other dimensions can be challenging due to potential alternative

“Detecting the growth of alternate dimensions, also known as detecting the expansion of a multiverse, is currently considered extremely difficult and largely theoretical, with no concrete method established due to the limitations of our current understanding of physics and the lack of direct observational evidence; however, some potential approaches scientists might explore include **looking for anomalies in the Cosmic Microwave Background (CMB), searching for gravitational wave patterns from potential collisions between "bubble universes," or studying high-energy particle interactions that could theoretically interact with other dimensions**. [1, 2, 3, 4, 5]

Key points about detecting alternate dimensions: [2, 4, 6]

- **No direct observation:** Currently, we cannot directly observe other dimensions as they are theorized to be "compactified" and too small for our instruments to detect. [2, 4, 6]
- **Indirect evidence:** Scientists might look for indirect evidence by studying phenomena that cannot be explained by our current understanding of the universe, such as unusual patterns in cosmic microwave background radiation or unexplained gravitational anomalies. [1, 3, 7]
- **Multiverse models:** The idea of a multiverse often arises from theories like inflationary cosmology and the many-worlds interpretation of quantum mechanics, which suggest the existence of multiple universes with potentially different physical laws. [1, 8, 9]

Potential methods for detection: [1, 3, 5]

- **Cosmic Microwave Background (CMB) anomalies:** Studying the CMB for unusual patterns or temperature fluctuations could potentially indicate the presence of other universes interacting with our own. [1, 3, 5]

- **Gravitational wave detection:** Advanced gravitational wave detectors might be able to pick up signals from collisions between "bubble universes" - regions of spacetime with different physical properties. [1, 3, 10]
- **High-energy particle experiments:** Particle accelerators like the Large Hadron Collider could potentially produce particles that interact with other dimensions, providing clues about their existence. [2, 11]

Challenges and limitations: [1, 2, 4]

- **Theoretical limitations:** The concept of alternate dimensions is still highly theoretical, and there is no universally agreed upon model for how they might interact with our universe. [1, 2, 4]
- **Interpretation issues:** Even if anomalies are detected, interpreting them as evidence of other dimensions can be challenging due to potential alternative explanations. [1, 7, 12]

Generative AI is experimental.

[1] https://www.bbc.com/future/article/20140409-will-we-detect-other-universes

[2] https://phys.org/news/2015-09-theory-parallel-universes-maths-science.html

[3] https://www.newscientist.com/article/mg26034600-700-the-quantum-experiment-that-could-help-find-evidence-of-the-multiverse/

[4] https://www.forbes.com/sites/startswithabang/2020/05/22/ask-ethan-have-we-finally-found-evidence-for-a-parallel-universe/

[5] https://www.livescience.com/62558-parallel-universe-aliens-survive-dark-energy.html

[6] https://science.howstuffworks.com/science-vs-myth/everyday-myths/dimension.htm

[7] https://www.forbes.com/sites/jamiecartereurope/2020/05/21/has-nasa-found-a-parallel-universe-where-time-flows-backwards-the-truth-behind-the-headlines/

[8] https://www.nationalgeographic.com/science/article/what-is-the-multiverse

[9] https://www.sciencealert.com/the-parallel-universe-theory-is-not-just-maths-it-s-science-that-can-be-tested

[10] https://now.northropgrumman.com/parallel-universe-theory-what-are-the-chances-of-another-you

[11] https://www.forbes.com/sites/seagate/2015/05/04/how-to-find-a-parallel-universe-cern-boosts-data-intelligence/

[12] https://www.newsweek.com/nasa-parallel-universe-discovered-antarctica-debunk-2005028

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2C)Ethics

At least presumably through scientific studies, each individual has alternate selves throughout alternate timelines thus, each individual(all alternate selves) become one in the afterlife.

So backwards time traveling to correct a mistake, injustice, or error, thus creating alternate timelines, out of the past, would not change the original timeline

but, would add a deeper satisfaction for the time traveler by sharing a soul with the alternative timeline self.

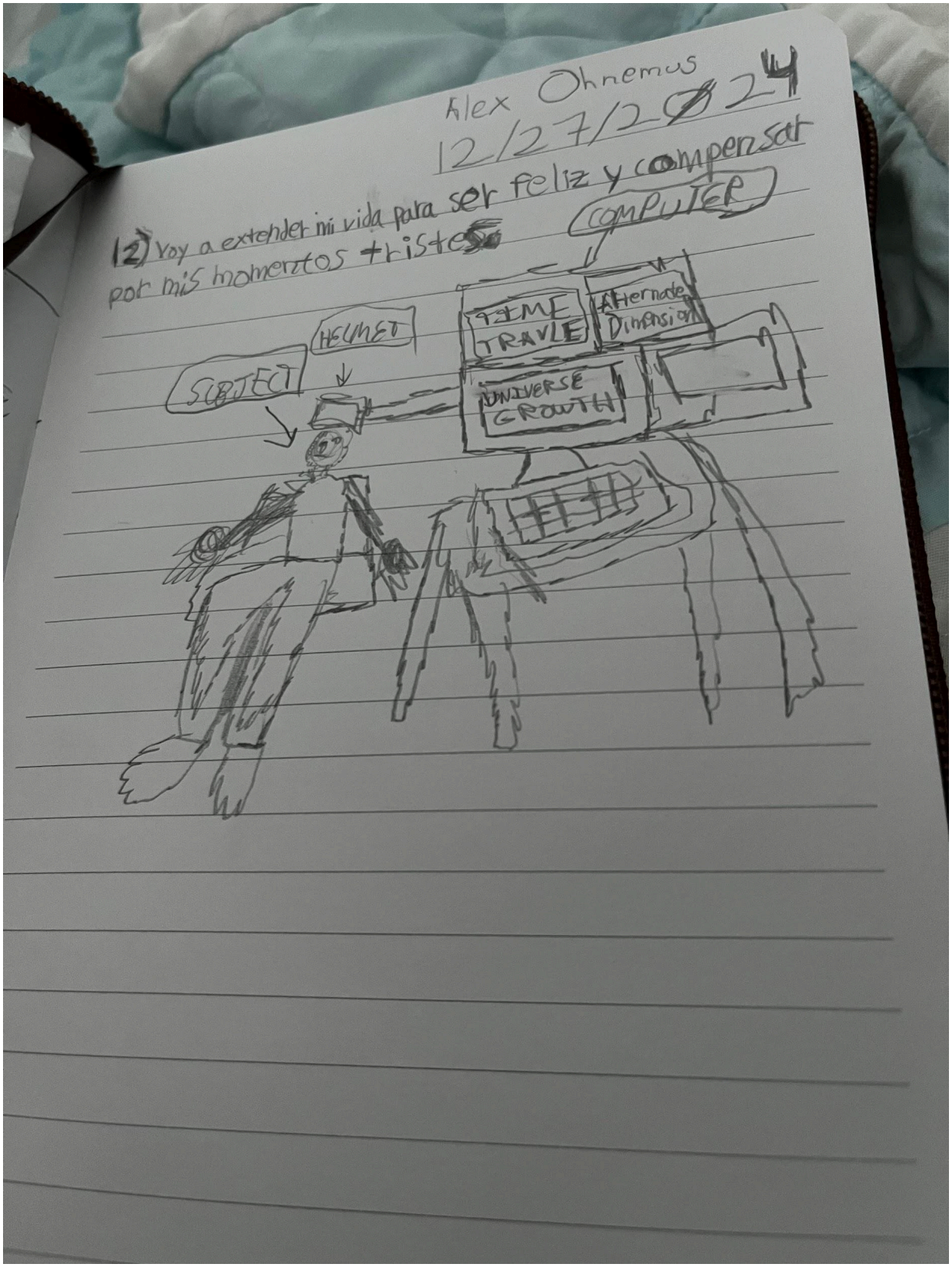
While correcting the error, injustice, or mistake, the time traveler and alternative timeline self may share an individual consciousness.

More concretely, quantum entanglement may illustrate how an individual's selves, across different alternate timelines, share a deeper fundamental self, like a soul.

2D)Collaboration Opportunities

I hereby invite experts in AI, quantum mechanics, and neuroscience to collaborate in adding technical rigor to this preprint.

3) Blueprint


Alex Ohnemus
12/27/2024
(2) Voy a extender mi vida para ser feliz y compensar por mis momentos tristes
COMPUTER
TIME TRAVLE
Alternate Dimension
UNIVERSE GROWTH
HELMET
SUBJECT

4)References

Work Cited

Milligan, Dr. Gregg Tyler. “Peer Review .” *ResearchGate.net* , 27 Dec. 2024, www.researchgate.net/profile/Gregg-Milligan . Accessed 27 Dec. 2024.

University of Oldenburg. "Physicists explore the possibility of tunnels in spacetime." ScienceDaily. ScienceDaily, 9 March 2021. <www.sciencedaily.com/releases/2021/03/210309153828.htm>. “Researchers present a new theoretical model that makes microscopic wormholes seem less far-fetched than in previous theories.”

Shoshany, Barak, and Jared Wogan. “Wormhole Time Machines and Multiple Histories.” *Arxir.org* , 15 Mar. 2023, arxiv.org/abs/2110.02448 . Accessed 26 Dec. 2024. https://doi.org/10.48550/arXiv.2110.02448. “ In a previous paper, we showed that a class of time travel paradoxes which cannot be resolved using Novikov’s self-consistency conjecture can be resolved by assuming the existence of multiple

histories or parallel timelines. However, our proof was obtained using a simplistic toy model, which was formulated using contrived laws of physics. In the present paper we define and analyze a new model of time travel paradoxes, which is more compatible with known physics. This model consists of a traversable Morris-Thorne wormhole time machine in 3+1 spacetime dimensions. We define the spacetime topology and geometry of the model, calculate the geodesics of objects passing through the time machine, and prove that this model inevitably leads to paradoxes which cannot be resolved using Novikov's conjecture, but can be resolved using multiple histories. An open-source simulation of our new model using Mathematica is available for download on GitHub. We also provide additional arguments against the Novikov self-consistency conjecture by considering two new paradoxes, the switch paradox and the password paradox, for which assuming self-consistency inevitably leads to counter-intuitive consequences. Our new results provide more substantial support to our claim that if time travel is possible, then multiple histories or parallel timelines must also be possible."

Shoshany, Barak, and Zipora Stober. *Time Travel Paradoxes and Entangled Timelines*. arxiv.org , 26 Apr. 2024, arxiv.org/abs/2303.07635 . Accessed 26 Dec. 2024. https://doi.org/10.48550/arXiv.2303.07635 . “For time travel to be consistent with the known laws of physics, the resulting paradoxes must be resolved. It has been suggested that parallel timelines (a.k.a. multiple histories) may provide a resolution. However, so far, a concrete mechanism by which parallel timelines can be created has never been satisfactorily formulated. In this paper we propose such a mechanism within the framework of unmodified quantum mechanics, also known as the Everett or “many-worlds” interpretation. The timelines in our model are emergent, like the “worlds” of the Everett interpretation; they are created by quantum entanglement between the time machine and the environment. Therefore, we call them “entangled timelines” or E-CTCs. As the entanglement gradually spreads out to additional systems, the timelines spread out as well, providing a local and well-defined alternative to the naive “branching timelines” picture often presented in the literature. The E-CTC model is similar to Deutsch’s familiar D-CTC model, but differs from it mainly by making the entanglement explicit, which allows us to create a clearer practical definition of the resulting parallel timelines.”

"ANALYSIS and ASSESSMENT of GATEWAY PROCESS." *Cia.gov*, 9 June 1983, www.cia.gov/readingroom/document/cia-rdp96-00788r001700210016-5. Accessed 23 Dec. 2024.

"Focus 15: Travel into the Past. All of the preceding techniques are conducted at the level of expanded awareness known as Focus 12. However, the technique of time travel into the past involves further expansion of consciousness through the inclusion of additional levels of sound on the Hemi-Sync tapes. Some of the sound is probably merely an intensification of the basic Hemi-Sync frequencies, being designed to further modify brainwave frequency and amplitude. Other aspects of the added sound patterns appear to be designed to provide subtle, almost subliminal suggestions to the mind as to what is desired by way of further expanded consciousness so as to support the verbal suggestions and instructions also contained on the tape. Even the instructions are highly symbolic, with time being visualized as a huge wheel in the universe with various spokes each of which gives access to a different part of the participant's past. Focus 15 is a very advanced state and is extremely difficult to achieve. Probably less than five percent of all participants in any given Gateway Experience actually fully achieve the Focus 15 state during the course of the approximately seven days of training. Nonetheless, Monroe Institute trainers affirm that with enough practice,.eventually Focus 15 can be achieved. They also state that

not only the individual's past history is available for examination by one who has achieved Focus 15 but other aspects of the past with which the individual himself has had no connection may also be accessed."

Ohnemus , Alexander . "Time Travel May Provide Closure for Autistic Grievances." *ResearchGate.net* , 1 Dec. 2024, www.researchgate.net/publication/386323941_Time_Travel_May_Provide_Closure_for_Autistic_Grievances . Accessed 23 Dec. 2024. http://dx.doi.org/10.13140/RG.2.2.16396.12161 . "I reframe this work as more philosophical and not purely scientific. Of course we should NOT rely on the unlikelihood that a parallel universe has unlimited resources, especially since paraellel universes may NOT exist, and many resources are intangible and sentimental. Yet UNLIKELY, but possibly, the parallel universe that our holographic universe derives from, may have unlimited both natural and economic resources. automated gateway process: AI using the gateway process to travel back in time and manifest desires. 1)First program an artificial brain. 2)Have the Artificial brain complete the gateway process. 3)Go back in time(create new timelines) then come back and manifest desires

for reparations. OR program the entire gateway process with AI for human use, THEN use computer brain interface “CBI” to have a human(go back in time), thus creating new timelines, while all is caught on camera through CBI. Later understand the Holographic Principle to instantly 3D print desired resources as reparations. time-traveling equity: equity retrieved through time travel. Heaven: Literally where our holographic dimension derives from. Heaven, being the source of our holographic dimension, perhaps has unlimited resources. Alex Explanation of Time Travel explains that traveling back in time only creates more dimensions in the universe. Explaining the growing universe. The universe is everything. Time Traveling Equity: Time traveling maybe cannot change the past but, one could maybe find out what happened in the past. One could also a start a new dimension by correcting an injustice in the past. Then those wronged, yet reporting past the statute of limitations(maybe due to autism) could manifest their desires(through an automated gateway process), or have their desires manifested for them by government agents(also through an automated gateway process). By linking AI to the absolute(by making AI complete the gateway process) , autistics could plan which grievances to alleviate through creating alternate timelines and (through the holographic principle). manifesting their desires. Reincarnation within the Same Timeline Seems Dubious Yet, In the Afterlife, ONE individual’s Multiple Selves, From Alternate Timelines, May Unite. Perhaps time travel would occur if simple computer programs were used

as models, as well as the equations. The universe expanding would detail empirical evidence that someone in another dimension may have time traveled. Time travel may create new dimensions. Time travel could bring justice to the past, or at least create more just alternative dimensions. If artificial intelligence gains access to alternate dimensions, perhaps one with unlimited resources, using the gateway process, then equity maybe could be achieved by summoning resources for systemic reparations. Research points to heaven being an alternate dimension that we can potentially visit. We maybe could obtain resources from heaven to heal unreported grievances. Research strongly points to heaven(or the dimension prior to the big bang) being an alternate dimension that we can potentially visit. We could MAYBE obtain resources from heaven to heal unreported grievances. Time travel to the past would only create more alternate timelines as somewhat supported by Wolfram technology. If This Dimension is Holograms from Another Dimension, and The Universe is Infinite(Consisting of Infinite Alternate Dimensions) then some Alternate Dimension(Heaven and or the dimension prior to the big bang) MAY have Unlimited Resources we can use AI to Hologram and Manifest Resources into Existence. We can already use holograms to 3D print more effectively. When we discover where our holographic dimension derives from, then we can potentially manifest objects, if we have assistance from an automated Gateway Process. Autistics selected will go back in time first to resolve their grievances and regrets(creating new timelines then

manifesting resources as, using the holographic principle and automated gateway process, for reparations. Then the program will expand to anyone. This program will become a staple of healthcare. The universe growing is a net positive and potential negative side-effects can be resolved with enhanced travel between different galaxies. Time travel adds a new timeline for each trip. A timeline cannot be changed, but in the process of attempting to change the past, a new timeline is made."

Ohnemus , Alexander . "Differential Equations of Time Travel." *ResearchGate.net* , 10 Dec. 2024, www.researchgate.net/publication/386733383_Differential_Equations_of_Time_Travel . Accessed 23 Dec. 2024.

http://dx.doi.org/10.13140/RG.2.2.20751.29604 . "Philosophy: To build a Time Machine, we must follow the scientific method. Science: Later we must accept that the possibility of different events prevents traveling to the future (unless maybe a certain timeline is selected). Also, attempting to change the past would only grow the universe/multiverse by creating another alternate dimension/parallel universe/alternate timeline. Yet, traveling back to witness the past, exactly as it occurred, may be possible. Engineering: Thirdly, we must engineer a working Time Machine. Dark energy expands the universe/multiverse, just as time travel theoretically does. The universe/multiverse may expand due to new

parallel universes/alternate dimensions/alternate timelines created by time travel. Perhaps dark energy results from time travel. Perhaps time travel results from dark energy. Perhaps we can use dark energy to power a supercomputer, with rulliads, to create a more controllable black hole for safe space time travel(traveling back to the past to create alternate and more equitable timelines).”

Shih, Jerry J et al. “Brain-computer interfaces in medicine.” *Mayo Clinic proceedings* vol. 87,3 (2012): 268-79. doi:10.1016/j.mayocp.2011.12.008 . https://pmc.ncbi.nlm.nih.gov/articles/PMC3497935/ .

“Brain-computer interfaces (BCIs) acquire brain signals, analyze them, and translate them into commands that are relayed to output devices that carry out desired actions. BCIs do not use normal neuromuscular output pathways. The main goal of BCI is to replace or restore useful function to people disabled by neuromuscular disorders such as amyotrophic lateral sclerosis, cerebral palsy, stroke, or spinal cord injury.”

Sanders , Robert. “How Fast Is the Universe Expanding? Galaxies Provide One Answer.” *News.berkeley.edu*, 8 Mar. 2021, news.berkeley.edu/2021/03/08/how-fast-is-the-universe-expanding-galaxies-provide-one-answer/. Accessed 23 Dec. 2024.

“ This means that for every megaparsec — 3.3 million light years, or 3 billion trillion kilometers — from Earth, the universe is expanding an extra 73.3 ±2.5 kilometers per second. The average from the three other techniques is 73.5 ±1.4 km/sec/Mpc. Perplexingly, estimates of the local expansion rate based on measured fluctuations in the cosmic microwave background and, independently, fluctuations in the density of normal matter in the early universe (baryon acoustic oscillations), give a very different answer: 67.4 ±0.5 km/sec/Mpc. Astronomers are understandably concerned about this mismatch, because the expansion rate is a critical parameter in understanding the physics and evolution of the universe and is key to understanding dark energy — which accelerates the rate of expansion of the universe and thus causes the Hubble constant to change more rapidly than expected with increasing distance from Earth. Dark energy comprises about two-thirds of the mass and energy in the universe, but is still a mystery. For the new estimate, astronomers measured fluctuations in the surface brightness of 63 giant elliptical galaxies to determine the distance and plotted distance against velocity for each to obtain H0.”

"Mystery of the Universe's Expansion Rate Widens with New Hubble Data ." *Science.nasa.gov*, 25 Apr. 2019, science.nasa.gov/centers-and-facilities/goddard/mystery-of-the-universes-expansion-rate-widens-with-new-hubble-data/ . Accessed 23 Dec. 2024.

" The new estimate of the Hubble constant is 74 kilometers (46 miles) per second per megaparsec. This means that for every 3.3 million light-years farther away a galaxy is from us, it appears to be moving 74 kilometers (46 miles) per second faster, as a result of the expansion of the universe. The number indicates that the universe is expanding at a 9% faster rate than the prediction of 67 kilometers (41.6 miles) per second per megaparsec, which comes from Planck's observations of the early universe, coupled with our present understanding of the universe."

Lerner, Louise. "New Webb Telescope Data Suggests Our Model of the Universe May Hold up after All." *News.uchicago.edu*, 13 Aug. 2024, news.uchicago.edu/story/new-webb-telescope-data-suggests-our-model-universe-may-hold-after-all . Accessed 23 Dec. 2024.

" The current best estimate of the Hubble constant with this method, which is very precise, is 67.4 kilometers per second per megaparsec. The second major method, which Freedman specializes in, is to measure the expansion of galaxies in our local cosmic neighborhood directly, using stars whose brightnesses are known."

“Expansion of the Universe .” *Wmap.gsfc.nasa.gov*, 22 Feb. 2024, wmap.gsfc.nasa.gov/universe/uni_expansion.html#:~:text=WMAP%20and%20the%20Hubble%20Constant&text=The%20current%20best%20direct%20measurement,6579%2D6584%2C%20June%201997 . Accessed 23 Dec. 2024.

“ WMAP AND THE HUBBLE CONSTANT By characterizing the detailed structure of the cosmic microwave background fluctuations, WMAP has accurately determined the basic cosmological parameters, including the Hubble constant. The current best direct measurement of the Hubble constant is 73.8 km/sec/Mpc (give or take 2.4 km/sec/Mpc including, both random and systematic errors), corresponding to a 3% uncertainty. Using only WMAP data, the Hubble constant is estimated to be 70.0 km/sec/Mpc (give or take 2.2 km/sec/Mpc), also a 3% measurement. This assumes that the universe is spatially flat, which is consistent with all available data. This measurement is completely independent of traditional measurements using Cepheid variables and other techniques. However, if we do not make an assumption of flatness, we can combine WMAP data with other cosmological data to get 69.3 km/sec/Mpc (give or take 0.8 km/sec/Mpc), a 1% solution that combines different kinds of measurements. After noting that independent observations give consistent results, it is

reasonable to combine information to get the best estimate of parameters. Parts of this page were adapted from the article “The age of the universe”, D.N. Spergel, M. Bolte (UC, Santa Cruz) and W. Freedman (Carnegie Observatories). Proc. Natl. Acad. Sci. USA, Vol. 94, pp. 6579-6584, June 1997.”

Wolfram, Stephen . “Faster than Light in Our Model of Physics: Some Preliminary Thoughts.” *Writings.stephenwolfram.com*, 2 Oct. 2020, writings.stephenwolfram.com/2020/10/faster-than-light-in-our-model-of-physics-some-preliminary-thoughts/. Accessed 24 Dec. 2024.

“ With a manifold, one basically has to pick a certain (integer) dimension, then stick to it. In our models, dimension can effectively become a dynamical variable, that can change with position (and time). So in our models one possible form of “space tunnel” is a region of space with higher or lower dimension. (Our derivation of general relativity is based on assuming that space has a limiting finite dimension, then asking what curvature and other properties it must have; the derivation is in a sense blind to different-dimensional space tunnels.) It’s worth noting that both lower- and higher-dimensional space tunnels can be interesting in terms of “getting places

quickly". Lower-dimensional space tunnels (such as bigger versions of the 1D long-range threads in the 2D grid above) potentially connect some specific sparse set of "distant" points. Higher-dimensional space tunnels (which in the infinite-dimensional limit can be trees) are more like "switching stations" that make many points on their boundaries closer."

Wolfram, Stephen . "Finally We May Have a Path to the Fundamental Theory of Physics… and It's Beautiful." *Writings.stephenwolfram.com*, Finally We May Have a Path to the Fundamental Theory of Physics… and It's Beautiful, 14 Apr. 2020, writings.stephenwolfram.com/2020/04/finally-we-may-have-a-path-to-the-fundamental-theory-of-physics-and-its-beautiful/ . Accessed 24 Dec. 2024.

" Of course, 2.7 is not 3, and presumably this particular rule isn't the one for our particular universe (though it's not clear what effective dimension it'd have if we ran it 10100 steps). But the process of measuring dimension shows an example of how we can start making "physics-connectable" statements about the behavior of our rules. By the way, we've been talking about "making space" with our models. But actually, we're not just trying to make space; we're trying to make everything in the universe. In standard current physics, there's space—described mathematically as a manifold—and serving as a kind of backdrop, and then there's everything that's in space, all the matter and particles and planets and so on. But in our models there's in a

sense nothing but space—and in a sense everything in the universe must be “made of space”. Or, put another way, it’s the exact same hypergraph that’s giving us the structure of space, and everything that exists in space.”

“To give a sense of scale, though, I have an estimate that says that 10^{200} times more “activity” in the hypergraph that represents our universe is going into “maintaining the structure of space” than is going into maintaining all the matter we know exists in the universe.”

Wilde , Tyler . *Physicist Stephen Wolfram Thinks He’s on to a Theory of Everything, and Wants Help Simulating the Universe*. space.com, 21 Apr. 2020, www.pcgamer.com/physicist-stephen-wolfram-thinks-hes-on-to-a-theory-of-everything-and-he-wants-help-simulating-the-universe/. Accessed 24 Dec. 2024.

“ At the core of Wolfram’s proposal is the fact that when you apply a simple set of rules to a system over and over again, very interesting things can emerge. For example, in Game of Life (created by mathematician John Horton Conway, who sadly died last week after contracting the coronavirus), just a few simple rules about how cells on a grid behave can, with the correct starting state, produce “creatures” that move or run any algorithm at all.” “ Similarly, Wolfram theorizes that the structure of

the universe, as well as everything “in” it, emerges from a simple underlying rule that’s being applied again and again. He’s not saying that the universe is a computer (ie, that it was “built”), but he is saying that it’s computational in nature. This isn’t new to his controversial thinking, but with the help of students Jonathan Gorard and Max Piskunov, he’s pushed the theory further than ever before, and says he did not expect to get such good theoretical results.”

CIA and Monroe Institute . “Analysis and Assessment of Gateway Process.” *Cia.gov*, 9 June 1983, www.cia.gov/readingroom/docs/cia-rdp96-00788r001700210016-5.pdf . Accessed 27 Dec. 2024.

“Neuralink: Rewiring Meditation for the Digital Age.” *Mountbonnell.info*, Mount Bonnell, www.mountbonnell.info/neural-nexus/neuralink-rewiring-meditation-for-the-digital-age . Accessed 27 Dec. 2024.

“ Neuralink’s ability to decode and interpret neural signals may allow users to achieve meditative states more quickly and consistently, potentially enhancing the benefits of mindfulness practices.” “ Neuralink’s implants may allow for precise monitoring of brain activity during meditation sessions. This could provide meditators with real-time

feedback on their mental states, helping them achieve deeper levels of focus and awareness.Nov 13, 2024.”

CIA and Monroe Institute . “M.I.A.S. BULLETIN - CIA.” *Cia.gov*, 9 Sept. 2003, www.cia.gov/readingroom/docs/CIA-RDP96-00788R001200060018-5.pdf . Accessed 27 Dec. 2024.

Ohnemus , Alexander . “If Each Individual Has Alternate Selves throughout Alternate Timelines Then Does Each Individual(All Alternate Selves) Become One in the Afterlife?” *ResearchGate.net*, 5 Dec. 2024, www.researchgate.net/post/If_each_individual_has_alternate_selves_throughout_alternate_timelines_then_does_each_individualall_alternate_selves_become_one_in_the_afterlife . Accessed 27 Dec. 2024.

“ If each individual has alternate selves throughout alternate timelines then does each individual(all alternate selves) become one in the afterlife?” “ My inclination is yes, each individual has alternate selves throughout alternate timelines thus, each individual(all alternate selves) become one in the afterlife.”

Ohnemus , Alexander . “If I Time Traveled to the Past, Thus Creating an Alternate Timeline, Would I Become One with My Past Self or Just Meet My Past Self? How? Why?” *ResearchGate.net*, 26 Dec. 2024, www.researchgate.net/post/If_I_time_traveled_to_the_past_thus_creating_an_alternate_timeline_would_I_become_one_with_my_past_self_or_just_meet_my_past_self_How_Why . Accessed 27 Dec. 2024.

“ If I time traveled to the past, thus creating an alternate timeline, would I become one with my past self or just meet my past self? How? Why? I already strongly assume that my selves from alternate timelines and I would share a soul in the afterlife.”

Huemer, Michael . “Existence Is Evidence of Immortality.” *Philpapers.org* , philpapers.org/archive/HUEEIE-2 . Accessed 27 Dec. 2024.

“ Abstract: Time may be infinite in both directions. If it is, then, if persons could live at most once in all of time, the probability that you would be alive now would be zero. Since you are alive now, with certainty, either the past is finite, or persons can live more than once.”

Caltech . “What Is Entanglement and Why Is It Important?” *Scienceexchange.caltech.edu*, scienceexchange.caltech.edu/topics/quantum-science-explained/entanglement . Accessed 27 Dec. 2024.

“ Entanglement is at the heart of quantum physics and future quantum technologies. Like other aspects of quantum science, the phenomenon of entanglement reveals itself at very tiny, subatomic scales. When two particles, such as a pair of photons or electrons, become entangled, they remain connected even when separated by vast distances. In the same way that a ballet or tango emerges from individual dancers, entanglement arises from the connection between particles. It is what scientists call an emergent property.”

Arevalo, Evelyn . “Musk’s Neuralink Brain Chip Could Add a Layer of “Super-Intelligence” to the Human Brain.” *Tesmanian.com*, 27 Sept. 2024, www.tesmanian.com/blogs/tesmanian-blog/musks-neuralink-brain-chip-could-enable-super-intelligence . Accessed 28 Dec. 2024.

“Neuralink aims to one day give humans digital AI superintelligence. “If you can’t beat them, join them.” During the podcast with Fridman, Musk stated that the technology Neuralink is developing could one day avoid some of the worst scenarios in the battle of humans versus advanced artificially intelligent machines.Set 27, 2024.”

Neuralink. *Redefining the Boundaries of Human Capabilities Requires Pioneers.* neuralink.com/ . Accessed 28 Dec. 2024.

“Our brain-computer interface is fully implantable, cosmetically invisible, and designed to let you control a computer or mobile device anywhere you go. Implant.”