Epistemic Authority and the Mechanics of Deification: A Comparative Analysis of Christian Dogmatism and the Cult of Einstein

The human impulse to organize the world, establish collective representations, and locate moral and intellectual authority is a foundational driver of both religious and scientific institutions.[1] In his foundational sociological evaluations of human knowledge, Émile Durkheim posited that religion and science are not inherently locked in eternal warfare; rather, they are distinct expressions of a singular social necessity to classify reality, make the world intelligible, and bind societies together.[2] While religion historically achieved this cohesion through ritual, sacred symbols, and absolute dogmas, modern secular societies have increasingly turned to science as their primary cultural authority.[1] In doing so, the structures of devotion, hagiography, and unquestioned authority historically reserved for the sacred have frequently been mapped onto secular figures.[3]

This comparative analysis examines the structural parallels and epistemological divergences between the Christian veneration of Jesus Christ and the secular deification of Albert Einstein within educational and scientific institutions. By analyzing how both figures have been transformed from complex historical actors into transcendent icons, this paper explores the mechanics of mythmaking, the dogmatic transmission of knowledge through textbooks and creeds, and the systemic differences in how both domains handle institutional dissent and empirical falsification.

The Sociology of Deification and the Secular Saint

The transformation of historical figures into objects of public veneration is a phenomenon that transcends the traditional boundary between the sacred and the profane.[3] Thomas Carlyle's "Great Man Theory" posited that the history of the world is ultimately the biography of uniquely gifted heroes who shape their environment through natural attributes, superior intellect, or divine inspiration.[5] This framework assumes that these leaders are born with specific, unquestionable traits that make them ideal candidates for authority and power, cultivating the idea that those in power deserve to lead and should not be questioned.[5] Herbert Spencer, however, offered a powerful critique of this view, arguing that "great men" are merely the inevitable products of highly productive cultures, noting that if figures like Isaac Newton or Gottfried Leibniz had not lived, calculus would still have been discovered by someone else.[5] Despite Spencer's gradualist perspective, societies consistently default to Carlylean hero-worship.[5] Joep Leerssen traces this tendency to the rise of the post-Rousseauist secular state

during the Enlightenment, where traditional religious devotion was redirected toward national cultural heroes and scientists.[3] This process of "secular canonization" elevates prominent figures to a status Milan Kundera termed "great immortality," framing them as protectors, saints, or possessors of ultimate knowledge.[3] This secular deification is observable in the cultural handling of diverse figures, from Stephen Hawking—whose struggles with physical disease transformed him into an atheist poster boy and a secular saint—to Paul Langevin, who was celebrated as the "most human of scientists" possessing all the qualities of a secular saint.[7] The early Christian cult of Jesus of Nazareth mirrors this sociological process of communal deification.[9] Early historical references to Christianity, such as those found in Tacitus and Josephus, refer to the existence of the "cult of Jesus" rather than to the validated biographical details of his life.[9] Prior to the institutionalization of Christian theology, second-century Christian writers and liturgies treated Jesus as divine (*theos*), frequently equating him with God without a unified, systematic metaphysical explanation.[10] Over centuries, this popular, uncritical devotion was organized, restricted, and codified by institutional authorities to preserve social cohesion and dogmatic stability.[11]

Analytical Dimension	**The Early Christian Cult of Jesus**	**The Modern Cult of Albert Einstein**
Primary Sociological Catalyst	Search for salvation, community identity, and theological alignment in the Roman Empire [13]	Post-war exhaustion, media expansion, and the cultural yearning for a benign guardian of cosmic secrets [4]
Historical Baselines	Scriptural narratives, liturgical worship, and historical references in Tacitus and Josephus [9]	Early academic achievements, patent office employment, and the 1919 solar eclipse observation [15]
Popular Iconography	The crucifix, standard pictorial representations of Christ, and the veneration of holy relics [18]	Unkempt white hair, sticking out his tongue, and the "secular saint" votive candles [20]
Institutional Custodians	The early Church Fathers, local bishops, and the Roman Imperial	The Einstein Archive keepers (Nathan and Dukas) and academic

	administration [14]	biographers [25]

Biographical Hagiography and the Suppression of the Flawed

The preservation of an unquestionable authority requires the systematic purging of human limitations and the "irrational" from the public record.[25] Within traditional religious frameworks, this purification was achieved through rigorous institutional review.[18] Under the rules established by Pope Benedict XIV, the traditional Catholic canonization process required an ancient cultus, constant historical attestation of virtue, and an uninterrupted record of miracles.[18] Augustine of Hippo described a severe diocesan canonical process to prevent the recognition of undeserving martyrs.[18] This institutional rigor was reinforced by Pope Alexander III in 1173, who famously prohibited the veneration of a man who had merely been killed while intoxicated, establishing that only the Papal See could authorize universal veneration.[18] Historically, the pre-Vatican II beatification process employed a highly critical *advocatus diaboli* (Devil's Advocate) specifically tasked with discrediting the evidence of the candidate's sanctity.[27] However, the 1983 revision of the Code of Canon Law eliminated this stringent juridical mechanism in favor of a fast-track academic approach, raising concerns among traditionalists regarding the integrity of modern canonizations.[19]

A remarkably similar process of archival sanitation and hagiographic mythmaking occurred around the legacy of Albert Einstein.[25] For decades, the primary keepers of Einstein's legacy—his secretary Helen Dukas and economist Otto Nathan—dedicated themselves to preserving his reputation as a "secular saint".[26] They went to extraordinary lengths to suppress, restrict, and deny access to any archival information that could reveal his human flaws or damage his established image as a superhuman being.[26] This protective barrier was only breached in the late twentieth century by biographers like Abraham Pais and Denis Brian, who attempted to dismantle the "Jewish saint" myth and construct a more realistic, human portrait.[26]

Alberto Martínez has highlighted how mainstream biographies, such as Walter Isaacson's bestselling work, continue to employ highly liturgical and religious terminology to describe Einstein, using words like *halo*, *testament*, *miraculous*, *canonized*, *reverence*, and *priest-like glories*.[25] This religious framing of a theoretical physicist ignores his deeply troubled, flawed, and highly ordinary personal life.[25]

- **Domestic and Relationship Failures:** Far from a saintly, self-sacrificing humanist, Einstein was a neglectful father and a highly difficult husband.[25] He was a "deadbeat dad" who never visited his illegitimate daughter, Lieserl, who subsequently vanished from the historical record, and he severely neglected and eventually abandoned his mentally unstable son, Eduard.[25] He treated his first wife, Mileva Marić, with cold, calculated rudeness, eventually pushing her to return to Switzerland.[25] He conducted a long-term affair with his first cousin, Elsa, whom he eventually married, despite also harboring a

strong physical infatuation with Elsa's twenty-year-old daughter, Ilse.[25]

- **Atypical Academic Beginnings:** Rather than being a marked, lifelong genius, the young Einstein was an academic underachiever and a high school dropout.[25] He failed his first college entrance exam, graduated from university with the lowest passing grade, and was rejected from every academic assistantship and PhD program he applied to, forcing him to take a low-paying position as a compulsive, chain-smoking clerk in the Swiss patent office while his father's business collapsed in bankruptcy.[25]
- **Physical Imperfections:** Unlike the idealized, athletic bodies of mythological heroes, the physical reality of Einstein was characterized by highly mundane infirmities.[25] The Swiss military formally rejected him from service due to his severe varicose veins and sweaty flat feet.[25]

Einstein himself was deeply disturbed by this mass deification, lamenting that newspapers lied about him and that biographers endlessly repeated those fictions.[25] He criticized the "cult of individuals" as unjustified and unfair to the many well-endowed people who live quiet, unobtrusive lives, calling the massive gap between the popular estimate of his mind and his actual, doubt-ridden reality "simply grotesque".[28] He noted that biographers consistently overlooked "the irrational, the inconsistent, the droll, even the insane which nature constantly implanted in an individual for home amusement".[25]

Textbooks, Dogmatism, and the Indoctrination of "Normal Science"

The institutionalization of authority in both religion and science relies heavily on a structured, dogmatic educational apparatus.[11] Thomas Kuhn argued that scientific education is a highly regimented process of training that functions as a form of indoctrination, equipping future scientists for the rigorous, uncritical practice of what he termed "normal science".[30]

The Textbook as a Tool of Indoctrination

Science education is unique in its complete reliance on textbooks especially written for students, a feature unknown in other creative or academic fields.[29] These textbooks do not contain alternative readings or historical debates; instead, they present contemporary scientific knowledge as a series of settled, unquestionable paradigms.[29] Kuhn observed that scientific education is intensely monistic, carefully excluding genuine history—except for highly mythologized, linear anecdotes—lest it distract students with alternative perspectives and make them realize that contemporary science is built on discarded frameworks.[30]

This educational order was historically defended by Auguste Comte, who argued that "the dogmatic order" of exposition was a pedagogical necessity.[31] Comte asserted that it is impossible to raise a mediocre individual intellect to the level of knowledge acquired over generations by a logical reconstruction of the historical process; therefore, a dogmatic shortcut is required to bypass the complex, chaotic "tangled labyrinth" of historical discovery.[31]

Owen Hannaway similarly argued that the entire science of chemistry was shaped not by a sudden paradigm shift, but by a transition in textbook exposition that turned chemical practices from private, alchemical secrets into structured, dogmatic public knowledge.[31] This dogmatic approach has a profound effect on the student.[30] As Karl Popper critically observed, the "normal scientist" trained under this textbook regime is a person "one ought to be sorry for" because they have been taught in a dogmatic spirit and have become victims of institutional indoctrination.[12] This creates a highly intimidating academic culture where students suffer from shame, fear, and confusion, believing that science requires a "magical" or "genius" personality trait that they lack, which reinforces exclusion and privilege within the scientific community.[32]

The Creedal Parallels and the Rise of Pseudoscience

The function of scientific textbooks in training students to accept a reigning paradigm mirrors the function of early Christian creeds in enforcing theological orthodoxy.[13] The Nicene Creed of 325 and its 381 Constantinople revision were drafted specifically to resolve the Arian controversy, establishing a rigid, unalterable statement of faith regarding the nature of God and Jesus Christ.[13] These creeds transformed fluid theological doctrine into absolute, unchangeable dogma, complete with explicit "anathemas" designed to curse and excommunicate anyone holding a contrary view.[13]

Feature	Religious Creeds (e.g., Nicene Creed)	Scientific Textbooks (e.g., Physics Texts)
Primary Document	The Nicene-Constantinopolitan Creed [13]	Standardized, paradigm-compliant textbooks [29]
Philosophical Basis	Formal metaphysical definitions of divine substance (*homoousias*) [13]	Symbolic generalizations and mathematical laws ($f =$, $I =$) [11]
Pedagogical Goal	To enforce theological orthodoxy and eliminate heresy [13]	To train students in routine puzzle-solving within the paradigm [29]
Handling of History	Excludes alternative "apocryphal" narratives and gnostic viewpoints [13]	Excludes historical failures, debates, and discarded perspectives [30]

Epistemic Authority	Absolute, divine, and unchangeable law [33]	Pragmatic, authoritative norms of representation [11]

This absolute, unyielding presentation of authority in both domains has unintended, highly destabilizing social consequences.[37] When science is communicated to the public as a set of final, unquestionable truths—rather than as an evolving, iterative process of discovery—it creates a deep-seated public distrust.[37] Studies indicate that public resistance to scientific consensus (such as climate change skepticism or anti-vaccine movements) often stems not from ignorance, but from a reaction to the perceived arrogance and inaccessible nature of scientific discourse.[37]

Modern flat-earthism, for instance, has re-emerged not in response to new empirical data, but as a reactionary movement opposing an unapproachable scientific establishment.[37] When science acts as an unassailable dogma, it alienates rather than engages, creating a "paradox of certainty" where dogmatism actively fuels pseudoscience.[37] To counteract this, Boris Kriger proposed the "Law of Scientific Openness," which asserts:

$$\text{Credibility} \propto \text{Transparency of Uncertainty}$$

This law dictates that any scientific claim must be communicated with an explicit recognition of its provisional nature, its empirical limits, and the possibility of future revision, strengthening the credibility of science through epistemic humility rather than dogmatic authority.[37]

Epistemological Divergence: Falsifiability versus Eternal Law

Despite the highly visible sociological similarities in how both communities construct icons, utilize textbooks, and enforce paradigms, a profound, unbridgeable epistemological divergence separates religious dogma from scientific theory.[36] This divergence lies in how both systems treat empirical evidence, limits of validity, and the inevitability of theoretical revision.[37]

The Mathematical Breakdowns of General Relativity

In Christian dogma, the declarations of Nicaea regarding the nature of Jesus Christ are held to be eternal, metaphysical, and unalterable truths; to deny them is to commit heresy and step outside the boundary of the faith.[13] In stark contrast, within the scientific community, Albert Einstein's masterwork—the theory of General Relativity—is universally recognized as a *provisional* model with well-defined physical limits.[39] While General Relativity has withstood a century of exquisite experimental testing—including gravitational lensing, the perihelion advance of Mercury, gravitational redshift, and the orbital decay of binary pulsars—the physics community actively maintains that the theory is ultimately incomplete or "wrong" at extreme scales.[39]

General Relativity mathematically predicts its own failure under extreme physical conditions.[41]

At the Big Bang and within the event horizons of black holes, the theory's equations yield infinite densities and infinite spacetime curvature—mathematical singularities that signal a complete breakdown of the model.[41]

Furthermore, General Relativity is fundamentally incompatible with Quantum Mechanics.[39] The theory is entirely classical and deterministic; it cannot calculate the gravitational field of a particle, such as an electron, when it is in a state of quantum superposition (e.g., passing through both slits simultaneously in a double-slit experiment).[39] Because the universe is fundamentally quantum at microscopic scales, gravity must eventually be quantized, meaning General Relativity must be replaced by a more fundamental theory of Quantum Gravity.[39]

The Active Search for Alternatives

Whereas a religious institution acts to suppress alternative versions of divine truth to preserve orthodoxy, the scientific enterprise actively funds, designs, and executes highly precise experiments specifically designed to find deviations from General Relativity and prove Einstein wrong.[40]

Scientists continuously evaluate a wide array of competitive, alternative gravity models.[46] These theories are rigorously categorized and tested using the Parametrized Post-Newtonian (PPN) formalism developed by Kenneth Nordtvedt and Clifford Will, which systematically parametrizes potential deviations from Einsteinian gravity in weak-field regimes.[42]

Alternative Class	Theoretical Postulate	Primary Experimental Status
Tensor Theories (Einstein's GR)	Gravity is purely a manifestation of the geometric curvature of a four-dimensional pseudo-Riemannian metric. [45]	Confirmed in the weak-field regime to high precision; fails at singularities. [39]
Scalar-Tensor Theories (e.g., Brans-Dicke)	Introduces an additional scalar field alongside the spacetime metric tensor to better incorporate Mach's principle. [42]	Severely limited by gravitational lensing and light time-delay measurements of the Eddington parameter γ. [42]
Quadratic Quantum Gravity (QQG)	Modifies Einstein's equations at extremely high energies by adding	Actively studied as a mathematically consistent way to describe gravity at

	quadratic terms; exhibits asymptotic freedom. [41]	short distances and avoid the Big Bang singularity. [41]
Vector-Tensor / Bimetric Theories	Gravity is mediated by a combination of metric tensors, vector fields, or dual metrics to explain cosmic acceleration. [46]	Highly constrained by gravitational wave propagation speeds and binary pulsar timing observations. [45]

This ongoing theoretical and experimental work—including high-precision satellite tests like the Satellite Test of the Equivalence Principle (STEP) and deep-space observations of binary pulsars—illustrates that Einstein's authority is far from unquestionable.[40] If an experiment definitively falsifies a prediction of General Relativity tomorrow, the scientific community will not burn the experimenter at the stake; rather, they will celebrate the discovery as a gateway to "new physics" beyond the standard model.[33]

Conclusion

The comparative analysis of Christian dogmatism and the scientific treatment of Albert Einstein reveals a profound structural paradox.[11] Sociologically, both domains exploit the human tendency toward deification, visual iconography, and hagiographic mythmaking to construct figures of absolute, unquestionable authority.[3] In educational environments, both institutions rely on a conservative, monistic transmission of knowledge—whether through theological creeds or sanitized science textbooks—to preserve the stability of their respective paradigms against premature or chaotic revolutions.[13] Under this lens, the "cult of Einstein" and the "cult of Jesus" operate via remarkably similar social and psychological mechanisms.[9] However, this sociological similarity obscures a fundamental epistemological divide.[37] Christian dogmatism is structurally designed to preserve an eternal, unchanging, and metaphysically absolute truth; any departure from this established consensus is treated as heresy that threatens the integrity of the faith.[13] Conversely, scientific dogmatism is merely a pragmatic, temporary heuristic.[11] While individual scientists may defend their theories with dogmatic stubbornness, the structural apparatus of science operates under an "invisible boot"—a methodological analogue to Adam Smith's invisible hand—that inevitably kicks out flawed, inaccurate models over time, regardless of the personal desires or authority of their creators.[52] Thus, while the classroom presentation of Albert Einstein may mimic a dogmatic, unquestionable cult of personality to facilitate basic training, the actual, professional practice of physics remains an enterprise actively seeking to transcend its most cherished icons through the rigorous mechanisms of empirical falsification and organized skepticism.[12]

Works cited

1. The cultural authority of science and religion - PubMed, accessed May 28, 2026, https://pubmed.ncbi.nlm.nih.gov/41037941/
2. Durkheim's Perspective on the Intersection of Religion and Science - Sociology Institute, accessed May 28, 2026, https://sociology.institute/introduction-to-sociology/durkheims-perspective-religion-science-intersection/
3. reviews, accessed May 28, 2026, https://journals.lib.washington.edu/index.php/ssj/article/view/17007/14523
4. Darrin McMahon - Divine Fury A History of Genius - Scribd, accessed May 28, 2026, https://www.scribd.com/document/684113379/Darrin-McMahon-Divine-Fury-a-History-of-Genius
5. Great man theory - Wikipedia, accessed May 28, 2026, https://en.wikipedia.org/wiki/Great_man_theory
6. Bad Art History vs. Bad History of Science : r/badhistory - Reddit, accessed May 28, 2026, https://www.reddit.com/r/badhistory/comments/35f22u/bad_art_history_vs_bad_history_of_science/
7. A “Secular Saint” | Request PDF - ResearchGate, accessed May 28, 2026, https://www.researchgate.net/publication/395912774_A_Secular_Saint
8. The Theory of Everything: A God-Haunted Film - Word on Fire, accessed May 28, 2026, https://www.wordonfire.org/articles/barron/the-theory-of-everything-a-god-haunted-film/
9. Did the historical Jesus exist? A growing number of scholars don't think so : r/atheism, accessed May 28, 2026, https://www.reddit.com/r/atheism/comments/2lohha/did_the_historical_jesus_exist_a_growing_number/
10. Jesus Christ As 'God' Before the Council of Nicea - Faith Pulpit, accessed May 28, 2026, https://faith.edu/faith-pulpit/posts/jesus-christ-as-god-before-the-council-of-nicea/
11. Dogmatism, Learning and Scientific Pratices - OpenEdition Journals, accessed May 28, 2026, https://journals.openedition.org/ejpap/541
12. (PDF) Dogmatism, Learning and Scientific Pratices - ResearchGate, accessed May 28, 2026, https://www.researchgate.net/publication/314718473_Dogmatism_Learning_and_Scientific_Pratices
13. Nicene Creed - Wikipedia, accessed May 28, 2026, https://en.wikipedia.org/wiki/Nicene_Creed
14. First Council of Nicaea - Wikipedia, accessed May 28, 2026, https://en.wikipedia.org/wiki/First_Council_of_Nicaea
15. Einstein and Relativity: What Price Fame? | Science in Context | Cambridge Core, accessed May 28, 2026, https://www.cambridge.org/core/journals/science-in-context/article/einstein-and-relativity-what-price-fame/6FBAF6B0A3BD8D91AEB4A19154CFD091
16. Einstein–Bergson debate - Wikipedia, accessed May 28, 2026,

https://en.wikipedia.org/wiki/Einstein%E2%80%93Bergson_debate
17. The complete review Quarterly - Humanistic Failings: Karl Mickel's Einstein, accessed May 28, 2026, https://www.complete-review.com/quarterly/vol2/issue1/mickele.htm
18. Canonization - Wikipedia, accessed May 28, 2026, https://en.wikipedia.org/wiki/Canonization
19. Saint - Holiness, Canonization, Worship | Britannica, accessed May 28, 2026, https://www.britannica.com/topic/saint/Theological-interpretations-of-popular-recognition
20. Albert Einstein Secular Saint Candle | Smart and Funny Gifts by UPG - The Unemployed Philosophers Guild, accessed May 28, 2026, https://philosophersguild.com/products/albert-einstein-secular-saint-candle
21. The Dark Side of Albert: Einstein and Mileva Marić, his First Wife, accessed May 28, 2026, https://academyoftheheartandmind.com/2025/02/07/the-dark-side-of-albert-einstein-and-mileva-maric-his-first-wife/
22. Albert Einstein Secular Saint Candle - Full Circle Gifts & Goods, accessed May 28, 2026, https://fullcirclegiftsandgoods.com/products/albert-einstein-secular-saint-candle
23. Why Einstein? - Archives & Special Collections Library - Vassar College, accessed May 28, 2026, https://www.vassar.edu/specialcollections/exhibit-highlights/2001-2005/einstein/essay2.html
24. The Council of Nicaea and The Resulting View of Christ - The Bart Ehrman Blog, accessed May 28, 2026, https://ehrmanblog.org/the-council-of-nicaea-and-the-resulting-view-of-christ/
25. Episode 117: Albert Einstein – Separating Man from Myth, accessed May 28, 2026, https://15minutehistory.org/podcast/episode-117-albert-einstein-separating-man-from-myth/
26. An Einstein Encyclopedia [Pilot project, eBook available to selected US libraries only] 9781400873364 - DOKUMEN.PUB, accessed May 28, 2026, https://dokumen.pub/an-einstein-encyclopedia-pilot-project-ebook-available-to-selected-us-libraries-only-9781400873364.html
27. The New Canonizations Doubt and Confusion - The Angelus Online |, accessed May 28, 2026, https://isidore.co/misc/Res%20pro%20Deo/Pope%20St.%20Pius%20X%20&%E2%81%84or%20SSPX/The%20Angelus/HTMLs/3527.html
28. Quote by Albert Einstein: “The cult of individuals is always, in my view, ...” - Goodreads, accessed May 28, 2026, https://www.goodreads.com/quotes/827823-the-cult-of-individuals-is-always-in-my-view-unjustified
29. The Function of Dogma in Scientific Research, accessed May 28, 2026, http://strangebeautiful.com/other-texts/kuhn-function-dogma.pdf
30. 6 Thomas Kuhn, Normal Science, and Education - Cambridge University Press & Assessment, accessed May 28, 2026, https://resolve.cambridge.org/core/services/aop-cambridge-core/content/

view/244B3E70EDEE98A5F8261417123EE9B2/9781009100700c6_121-134.pdf/thomas_kuhn_normal_science_and_education.pdf
31. GARCIA BELMAR, A.; BERTOMEU, JR; BENSAUDE, B (2005), The Power of Didactic Writings, accessed May 28, 2026, https://www.uv.es/bertomeu/pub/Belmar-powerofdidactic-2005.pdf
32. The Einstein myth: Why the cult of personality is bad for science | Michelle Thaller | Big Think, accessed May 28, 2026, https://www.youtube.com/watch?v=TP1239z83KU
33. Dogma Definition, Types & Examples - Study.com, accessed May 28, 2026, https://study.com/academy/lesson/dogma-overview-examples.html
34. Jesus Christ, Son of God, Savior: 1700th Anniversary of the Ecumenical Council of Nicaea (325-2025) - The Holy See, accessed May 28, 2026, https://www.vatican.va/roman_curia/congregations/cfaith/cti_documents/rc_cti_doc_20250403_1700-nicea_en.html
35. Should the History of Science Be Rated X? - Earth History Research ..., accessed May 28, 2026, https://origins.swau.edu/temp/classes/Rated%20X.pdf
36. Integration of Science and Religion: A Hermeneutic Approach, accessed May 28, 2026, https://journals.uts.edu/volume-xix-2018/304-integration-of-science-and-religion-a-hermeneutic-approach
37. The Paradox of Certainty: How Scientific Dogmatism Fuels Pseudoscience | by Boris (Bruce) Kriger | THE COMMON SENSE WORLD | Medium, accessed May 28, 2026, https://medium.com/common-sense-world/the-paradox-of-certainty-how-scientific-dogmatism-fuels-pseudoscience-75edb9fa66df
38. General relativity (and other theories) when proven wrong - Physics Stack Exchange, accessed May 28, 2026, https://physics.stackexchange.com/questions/585690/general-relativity-and-other-theories-when-proven-wrong
39. What Physicists Have Been Missing - Nautilus, accessed May 28, 2026, https://nautil.us/what-physicists-have-been-missing-506607
40. GP-B — Testing Einstein - Gravity Probe B, accessed May 28, 2026, https://einstein.stanford.edu/SPACETIME/spacetime3.html
41. New tweak to Einstein's relativity could transform our understanding of the Big Bang, accessed May 28, 2026, https://www.livescience.com/physics-mathematics/a-new-tweak-to-einsteins-relativity-could-transform-our-understanding-of-the-big-bang
42. Tests of general relativity - Wikipedia, accessed May 28, 2026, https://en.wikipedia.org/wiki/Tests_of_general_relativity
43. How we know that Einstein's General Relativity cannot be quite right, accessed May 28, 2026, http://backreaction.blogspot.com/2019/08/how-we-know-that-einsteins-general.html
44. Einstein's Theory of Gravity Holds Up on Test of a Three-Star System - Gizmodo, accessed May 28, 2026, https://gizmodo.com/einsteins-theory-of-gravity-holds-up-on-test-of-a-three-1827319579

45. The Confrontation between General Relativity and Experiment - PMC - NIH, accessed May 28, 2026, https://pmc.ncbi.nlm.nih.gov/articles/PMC5256066/
46. Alternatives to general relativity - Wikipedia, accessed May 28, 2026, https://en.wikipedia.org/wiki/Alternatives_to_general_relativity
47. Testing General Relativity vs. Alternative Theories of Gravitation with the SaToR-G Experiment - MDPI, accessed May 28, 2026, https://www.mdpi.com/2673-9984/2/1/52
48. Einstein's Trilogy of Erroneous Theories - Open Scientific Publishers, accessed May 28, 2026, https://www.ospublishers.com/Einstein%E2%80%99s-Trilogy-of-Erroneous-Theories.html
49. Testing general relativity with present and future astrophysical observations - Pure, accessed May 28, 2026, https://pure-oai.bham.ac.uk/ws/files/61058396/1501.07274.pdf
50. (PDF) Testing General Relativity with Present and Future Astrophysical Observations, accessed May 28, 2026, https://www.researchgate.net/publication/271531781_Testing_General_Relativity_with_Present_and_Future_Astrophysical_Observations
51. The miracles in the Bible, even if they happen as described, don't equate to Christianity being true. - Reddit, accessed May 28, 2026, https://www.reddit.com/r/DebateReligion/comments/yixlwd/the_miracles_in_the_bible_even_if_they_happen_as/
52. Picking a Bone with Philosophers of Science, accessed May 28, 2026, https://ncse.ngo/picking-bone-philosophers-science