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In the current IQ scoring method, an IQ score of 100 means that the test-taker's performance on the test is of average performance in the sample of test-takers of about the same age as was used to norm the test. An IQ score of 115 means performance one standard deviation above the mean, while a score of 85 means performance one standard deviation below the mean, and so on. This "deviation IQ" method is now used for standard scoring of all IQ tests in large part because they allow a consistent definition of IQ for both children and adults. By the current "deviation IQ" definition of IQ test standard scores, about two-thirds of... e1b1cf0337

Ivy Mike Ivy Mike was the codename given to the first full-scale test of a thermonuclear device, in which a significant fraction of the explosive yield comes from Ivy Mike was the codename given to the first full-scale test of a thermonuclear device, in which a significant fraction of the explosive yield comes from nuclear

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fusion e1b1cf0337

Adolf Grünbaum Grünbaum obtained both his M. He was a Adolf Grünbaum (; German: ['ɡʁyːnbaʊm]; May 15, 1923 - November 15, 2018) was a German-American philosopher of science and a critic of both psychoanalysis and Karl Popper's philosophy of science. in physics (1948) and his PhD in philosophy (1951) from Yale University. He was the first Andrew Mellon Professor of Philosophy at the University of Pittsburgh from 1960 until his death, and also served as co-chairman of its Center for Philosophy of Science (from 1978), research professor of psychiatry (from 1979), and primary research professor in the department of history and philosophy of science (from 2006). returning to the United States in 1946. S. His works include Philosophical Problems of Space and Time (1963), The Foundations of Psychoanalysis (1984), and Validation in the Clinical Theory of Psychoanalysis (1993) e1b1cf0337

The experiment was led by French physicist Alain Aspect at the Institut d'optique théorique et appliquée in Orsay between... e1b1cf0337

Aspect's experiment Bell tests) which confirmed Aspect's original experiment.

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It also offered an experimental answer to Albert Einstein, Boris Podolsky, and Nathan Rosen's paradox which had been proposed about fifty years earlier. For his work on this topic, Aspect was awarded part of the 2022 Nobel Prize in Physics. The Aspect's experiment was the first quantum mechanics experiment to demonstrate the violation of Bell's inequalities with photons using distant detectors. Its 1982 result allowed for further validation of the quantum entanglement and locality principles e1b1cf0337

Einstein's writings, including his scientific publications, have been digitized and released on the Internet with English translations by a consortium of the Hebrew University of Jerusalem, Princeton University Press, and the California... e1b1cf0337

Michelson–Morley experiment ISBN 978-981-256-621-8. , Chapter 2, p. (2006). p. The experiment was performed between April and July 1887 by American physicists Albert A. 98 Staley, Richard (2009), "Albert The Michelson–Morley experiment was an attempt to measure the motion of the Earth relative to the luminiferous aether, a supposed medium permeating space that was thought to be the carrier of light waves. World Scientific. Sergey V. Morley at what is now Case Western Reserve University in Cleveland, Ohio, and published in November of the same year.

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Mathematics of physics and engineering. 98. Michelson and Edward W e1b1cf0337

List of scientific publications by Albert Einstein "Chapter Six: Special Relativity" Albert Einstein (1879–1955) was a renowned theoretical physicist of the 20th century, best known for his special and general theories of relativity. doi:10.32 (1): 16–35. Bibcode:1964AmJPh. 1119/1. American Journal of Physics. 32. Despite his reservations about its interpretation, Einstein also made seminal contributions to quantum mechanics and, indirectly, quantum field theory, primarily through his theoretical studies of the photon. 16S. Isaacson, Walter (2007). 1970063. He also made important contributions to statistical mechanics, especially by his treatment of Brownian motion, his resolution of the paradox of specific heats, and his connection of fluctuations and dissipation e1b1cf0337

It was the first experiment to remove the locality loophole, as it was able to modify the angle of the polarizers while the photons were in flight, faster than what light would take to reach the other polarizer, removing the possibility of communications between detectors. e1b1cf0337 Due to its physical size and fusion fuel type (cryogenic liquid deuterium), the "Mike" device was not suitable for use as a

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deliverable weapon. It was intended as a "technically conservative" proof of concept experiment to validate the concepts used for multi-megaton detonations. e1b1cf0337 Ivy Mike was detonated on November 1, 1952, by the United States on the island of Elugelab in Enewetak Atoll, in the now independent island nation of the Marshall Islands, as part of Operation Ivy. It was the first full test of the Teller-Ulam design, a staged fusion device. e1b1cf0337

Donald Griffin In 1938, while an undergraduate at Harvard University, he began studying the navigational method of bats, which he identified as animal echolocation in 1944. In *The Question of Animal Awareness* (1976), he argued that animals are conscious like humans. Griffin was the originator of the concept of mentophobia: the denial of the consciousness of other animals by scientists. LCCN 59--12051 *Animal Structure and Function* (1962) Holt, Rinehart and Winston *Bird Migration: The Biology and Physics of Orientation Behaviour* (1965) London: Heinemann Donald Redfield Griffin (August 3, 1915 – November 7, 2003) was an American professor of zoology at various universities who conducted seminal research in animal behavior, animal navigation, acoustic orientation and sensory biophysics e1b1cf0337

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Timeline of atomic and subatomic physics A timeline of atomic and subatomic physics, including particle physics. 6th 2nd Century BCE Kanada (philosopher) proposes that anu is an indestructible - A timeline of atomic and subatomic physics, including particle physics e1b1cf0337

Samples from the explosion had traces of the isotopes plutonium-246, plutonium... e1b1cf0337 Many types of Bell tests have been performed in physics laboratories, often with... e1b1cf0337

Bell test The test empirically evaluates the implications of Bell's theorem. As of 2015, all Bell tests have found that the hypothesis of local hidden variables is inconsistent with the way that physical systems behave. Named for John Stewart Bell, the experiments test whether or not the real world satisfies local realism, which requires the presence of some additional local variables (called "hidden" because they are not a feature of quantum theory) to explain the behavior of particles like photons and electrons. A Bell test, also known as Bell inequality test or Bell experiment, is a real-world physics experiment designed to test the theory of quantum mechanics A Bell test, also known as Bell inequality test or Bell experiment, is a real-world physics

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experiment designed to test the theory of quantum mechanics in relation to Albert Einstein's concept of local realism e1b1cf0337

The experiment compared the speed of light in perpendicular directions in an attempt to detect the relative motion of matter, including their laboratory, through the luminiferous aether, or "aether wind" as it was sometimes called. The result was negative, in that Michelson and Morley found no significant difference between the speed of light in the direction of... e1b1cf0337

IQ classification In Flanagan, Dawn P. Winsor, Ann Pierce; Rowe, Ellen W. "Chapter 2: A History of Intelligence Test Interpretation". ; Kim, Songwon (2012). ; Harrison, Patti IQ classification is the practice of categorizing human intelligence, as measured by intelligence quotient (IQ) tests, into categories such as "superior" and "average" e1b1cf0337

Timeline of gravitational physics and relativity 27. "Chapter 4: Student Days". The Pope of Physics. Segrè, Gino; Hoerlin, Bettina (2016). Hitchin The following is a timeline of gravitational physics and general relativity.

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