

Introducing Relativity A Graphic Guide

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"The authors cover everything from time dilation to black holes, string theory to dark energy," confirms Sky at Night Magazine reviewer Professor Nigel Henbest, and, "the going sometimes gets tough." However, "help is at hand," according to New Scientist reviewer Marcus Chown, "to get our heads around stretchy time, shrinking space, black holes, wormholes and the rest."

Newton for Beginners

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"William Rankin," Public Understanding of Science reviewer Patrick Fullick confirms, "sets out to illuminate the man whose work laid the foundations of the physics of the last 350 years, and to place him and his work in the context of the times in which he lived." New Scientist reviewer Roy Herbert adds that, "alongside theories of the Universe from ancient times, the book explains those...

The Universe for Beginners

subsequently republished with different covers as Introducing the Universe and Introducing the Universe: A Graphic Guide. Editions: The Universe for Beginners. Icon

The Universe for Beginners, republished as Introducing the Universe, is a 1993 graphic study guide to cosmology written by Felix Pirani and illustrated by Christine Roche. The volume, according to the publisher's website, "recounts the revolutions in physics and astronomy," from "Aristotle to Newton," and, "Einstein to Quantum Mechanics," "that underlie the present-day picture of the universe."

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Leonardo reviewer Nan Conklin stated that the work is "not simply a book explaining Einstein's scientific work, but a mixture of history, politics and science." According to Science for the People reviewer Paul Thagard, "Einstein's work is related," in this book, "to the rise of electrical industries and the later development of the atomic bomb."

Schwarzschild metric

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In Einstein's theory of general relativity, the Schwarzschild metric (also known as the Schwarzschild solution) is an exact solution to the Einstein field equations that describes the gravitational field outside a spherical mass, on the assumption that the electric charge of the mass, angular momentum of the mass, and universal cosmological constant are all zero. The solution is a useful approximation for describing slowly rotating astronomical objects such as many stars and planets, including Earth and the Sun. It was found by Karl Schwarzschild in 1916.

According to Birkhoff's theorem, the Schwarzschild metric is the most general spherically symmetric vacuum solution of the Einstein field equations. A Schwarzschild black hole or static black hole is a black hole that has neither electric...

Jim Starlin

Finale (graphic novel) (writer, 2016) Thanos: The Infinity Relativity (graphic novel) (writer/artist, 2015) Thanos: The Infinity Revelation (graphic novel)

James P. Starlin (born October 9, 1949) is an American comics artist and writer. Beginning his career in the early 1970s, he is best known for space opera stories, for revamping the Marvel Comics characters Captain Marvel and Adam Warlock, and for creating or co-creating the Marvel characters Thanos, Drax the Destroyer, Gamora, and Shang-Chi, as well as writing the miniseries The Infinity Gauntlet and its many sequels including The Infinity War and The Infinity Crusade, all detailing Thanos' pursuit of the Infinity Gems to court Mistress Death by annihilating half of all life in the cosmos, before coming into conflict with the Avengers, X-Men, Fantastic Four, and the Elders of the Universe, joined by the Silver Surfer, Doctor Strange, Gamora, Nebula, and Drax.

Later, for DC Comics, he drew...

Greek letters used in mathematics, science, and engineering

in special relativity the flight path angle of an airplane Δ $\{\displaystyle \Delta\}$ represents: a finite difference a difference

operator a symmetric

Greek letters are used in mathematics, science, engineering, and other areas where mathematical notation is used as symbols for constants, special functions, and also conventionally for variables representing certain quantities. In these contexts, the capital letters and the small letters represent distinct and unrelated entities. Those Greek letters which have the same form as Latin letters are rarely used: capital A, B, E, Z, H, I, K, M, N, O, P, T, Y, and X. Small ι, ο and υ are also rarely used, since they closely resemble the Latin letters i, o and u. Sometimes, font variants of Greek letters are used as distinct symbols in mathematics, in particular for ϵ/ϵ and π/ϖ . The archaic letter digamma (F/f/ζ) is sometimes used.

The Bayer designation naming scheme for stars typically uses the first...

List of scientific publications by Albert Einstein

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Albert Einstein (1879–1955) was a renowned theoretical physicist of the 20th century, best known for his special and general theories of relativity. 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. 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.

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...

Worldbuilding

Arthur Eddington's Space Time and Gravitation: An Outline of the General Relativity Theory (1920) to describe the thinking out of

hypothetical worlds with

Worldbuilding is the process of constructing an imaginary world or setting, sometimes associated with a fictional universe. Developing the world with coherent qualities such as a history, geography, culture and ecology is a key task for many science fiction or fantasy writers. Worldbuilding often involves the creation of geography, a backstory, flora, fauna, inhabitants, technology, and often if writing speculative fiction, different peoples. This may include social customs as well as invented languages (often called conlangs) for the world.

The world could encompass different planets spanning vast distances of space or be limited in scope to a single small village. Worldbuilding exists in novels, tabletop role-playing games, and visual media such as films, video games, and comics. Prior to...

Jewish culture

on the relativity theory transformed theoretical physics and astronomy during the 20th century. When first published, relativity superseded a 200-year-old

Jewish culture is the culture of the Jewish people, from its formation in ancient times until the current age. Judaism itself is not simply a faith-based religion, but an orthopraxy and ethnoreligion, pertaining to deed, practice, and identity. Jewish culture covers many aspects, including religion and worldviews, literature, media, and cinema, art and architecture, cuisine and traditional dress, attitudes to gender, marriage, family, social customs and lifestyles, music and dance. Some elements of Jewish culture come from within Judaism, others from the interaction of Jews with host populations, and others still from the inner social and cultural dynamics of the community. Before the 18th century, religion dominated virtually all aspects of Jewish life, and infused culture. Since the advent...

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