

relativity visualized pdf

Special relativity is a theory of the structure of spacetime. It was introduced in Einstein's 1905 paper "On the Electrodynamics of Moving Bodies" (for the contributions of many other physicists see History of special relativity).

Theory of relativity - Wikipedia

General relativity (GR, also known as the general theory of relativity or GTR) is the geometric theory of gravitation published by Albert Einstein in 1915 and the current description of gravitation in modern physics.

General relativity - Wikipedia

Frames of reference and relative motion is actually the reason that people get car sick. Your brain is getting two different sets of information about your body's motion that might not exactly agree with each other; information from your eyes, and information from your inner ear.

Lesson 9: Relative Motion and Frames of Reference

Spacetime defined, Relativity and Quantum Theories explained, for both beginning and advanced visitors, with links to the Best Academic Websites.

SpaceTime, Relativity, Quantum Physics, and Quantum Gravity

The recent radio observations (Mooley et al, 2018) of a superluminal radio afterglow following GRB 170817A are interpreted in terms of a jet impacting a baryonic cloak, which is presumably the material caught at the front of the jet as the latter emerges from a denser ejected material.

Astrophysics authors/titles "new"

In 1964 John Bell showed how the 1935 "thought experiments" of Einstein, Podolsky, and Rosen could be made into real experiments. He put limits on local "hidden variables" that might restore a deterministic physics in the form of what he called an "inequality," the violation of which would confirm standard quantum mechanics.

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