

Cosmic Times 1919 Glossary

absolute

being independent of the system of measurement or external references.

agog

eager, full of intense interest

black hole

an area in space with such a strong gravitational pull that no matter or energy can escape from it. Black holes are so named because even light cannot escape from them.

cosmology

branch of astronomy that deals with the origin, structure, and space-time relationships of the universe

General Relativity

an extension of the Special Theory of Relativity to include gravitation and acceleration.

gravity

a fundamental physical force that is responsible for interactions which occur because of mass between particles, between large bodies of matter (as stars and planets), and between particles (as photons) and large bodies of matter.

Special Relativity

theory of space time based on two postulates (1) the speed of light is the same for any observer regardless of the speed of either the observer or the source (2) the mathematical forms of the equations of physics are invariant in any inertial reference frame.

theory

a testable explanation of observations made in an experiment.