

introduction to special relativity pdf

General relativity is a theory of gravitation that was developed by Albert Einstein between 1907 and 1915. According to general relativity, the observed gravitational effect between masses results from their warping of spacetime.. By the beginning of the 20th century, Newton's law of universal gravitation had been accepted for more than two hundred years as a valid description of the ...

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In physics, special relativity (SR, also known as the special theory of relativity or STR) is the generally accepted and experimentally well-confirmed physical theory regarding the relationship between space and time. In Albert Einstein's original pedagogical treatment, it is based on two postulates: . The laws of physics are invariant (i.e., identical) in all inertial systems (i.e., non ...

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1. Introduction. Physics is an experimental science, and as such the experimental basis for any physical theory is extremely important. The relationship between theory and experiments in modern science is a multi-edged sword:

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-2- physics. As the first of the modern theories, it provides the foundation for particle physics and for Einstein's general theory of relativity; and it is the last point of

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