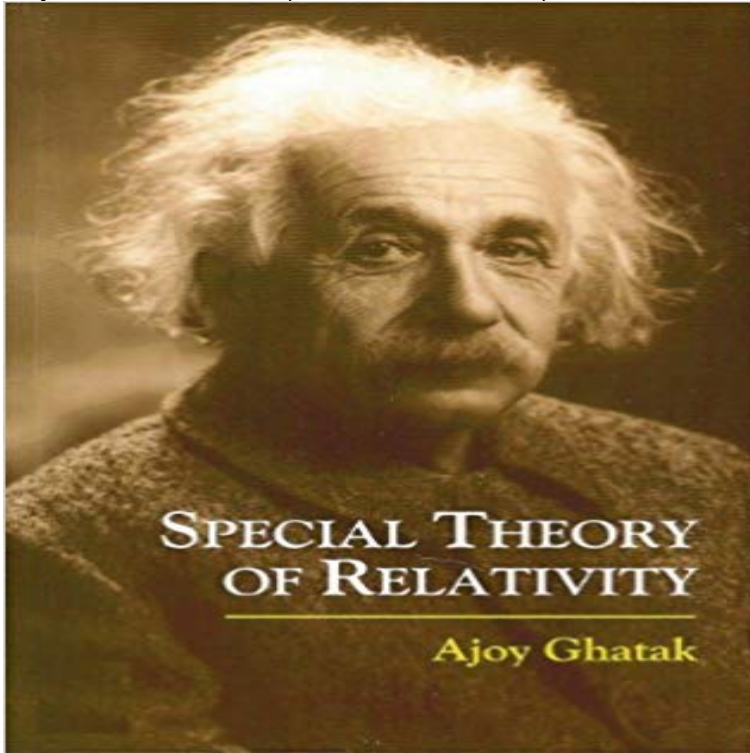


## Special Theory of Relativity



The Special Theory of Relativity (STR) is the physical theory of measurement in inertial frames of reference proposed by Albert Einstein. It is deemed special because the theory or principle of relativity is applied only to inertial frames. In this book, Prof Ghatak sets out and explains the basic physics behind Einstein's theory, and at the same time he gives the reader a concise, enthusiastic overview of Einstein's massive contribution to science and the knowledge of mankind. In 1999, Time Magazine names Albert Einstein as The Person of the Century. This book tells us why. The introduction deals with a summary of Einstein's work, Chapter One discusses Time Dilation and Length Contraction, Chapter Two deals with Mass-energy Relationship and Lorentz Transformations, and Chapters Three and Four reproduce two of his original groundbreaking papers from 1905. Special Theory of Relativity can be read by physics and engineering undergraduates as a support text on their courses, but it is of equal interest to readers of general science and fans of Albert Einstein.

**CONTENTS**

Albert Einstein: A brief account of his numerous contributions

Chapter 1: Special Theory of Relativity - Time Dilation and Length Contraction, Introduction, Speed of Light for a Moving Source, Time Dilation, The Mu-Meson Experiment, The Length Contraction, Understanding the Mu-Meson Experiment via Length Contraction, Length Contraction of a Moving Train, Simultaneity of two Events, The Twin Paradox, The Michelson Morley Experiment, Brief Historical Remarks

Chapter 2: Special Theory of Relativity - Mass energy Relationship and Lorentz Transformations, Introduction, The Mass-energy Relationship, The Doppler Shift, The Lorentz Transformations, Addition of Velocities

Chapter 3: On the Electrodynamics of Moving Bodies

Chapter 4: Does the Inertia of a Body

Depend upon Its Energy-Content?  
Appendix A Equations Describing Galilean Transformation Appendix B Invariance of the Wave Equation under Lorentz Transformation  
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