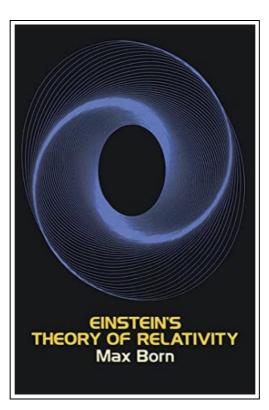
# Einsteins Theory of Relativity



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#### EINSTEINS THEORY OF RELATIVITY



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Dover Publications. Paperback. Book Condition: New. Paperback. 376 pages. Dimensions: 7.9in. x 5.6in. x 0.8in.A book in which one great mind explains the work of another great mind in terms comprehensible to the layman is a significant achievement. This is such a book. Max Born is a Nobel Laureate (1955) and one of the worlds great physicists: in this book he analyzes and interprets the theory of Einsteinian relativity. The result is undoubtedly the most lucid and insightful of all the books that have been written to explain the revolutionary theory that marked the end of the classical and the beginning of the modern era of physics. The author follows a quasi-historical method of presentation. The book begins with a review of the classical physics, covering such topics as origins of space and time measurements, geometric axioms, Ptolemaic and Copernican astronomy, concepts of equilibrium and force, laws of motion, inertia, mass, momentum and energy, Newtonian world system (absolute space and absolute time, gravitation, celestial mechanics, centrifugal forces and absolute space), laws of optics (the corpuscular and undulatory theories, speed of light, wave theory, Doppler effect, convection of light by matter), electrodynamics (including magnetic induction, electromagnetic theory of light, electromagnetic ether, electormagnetic laws of moving bodies, electromagnetic mass, and the contraction hypothesis). Born then takes up his exposition of Einsteins special and general theories of relativity, discussing the concept of simultaneity, kinematics, Einsteins mechanics and dynamics, relativity of arbitrary motions, the principle of equivalence, the geometry of curved surfaces, and the space-time continuum, among other topics. Born then points out some predictions of the theory of relativity and its implications for cosmology, and indicates what is being sought in the unified field theory. This account steers a middle course between vague popularizations and complex scientific presentations. This is a careful discussi

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