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Relativity and its 4-Dimensional Symmetry; The Philosophy of Space and Time: Simultaneity; Special Relativity in Anisotropic Space Four-Dimensional Symmetry of Taiji Relativity and Coordinate Transformation Based on a Weaker Postulate for the Speed of Light.-I

Sommario/riassunto

This collection of papers provides a broad view of the development of Lorentz and Poincare invariance and space time symmetry throughout the past 100 years. The issues explored in these papers include: (1) formulations of relativity theories in which the speed of light is not a universal constant but which are consistent with the four-dimensional symmetry of the Lorentz and Poincare groups and with experimental results, (2) analyses and discussions by Reichenbach concerning the concepts of simultaneity and physical time from a philosophical point of view, and (3) results achieved by the union
