

[Hsu, Jong-Ping \(ed.\); Zhang, Yuan-Zhong \(ed.\)](#)

Lorentz and Poincaré invariance. 100 years of relativity. (English) [Zbl 0995.83001](#)

Advanced Series on Theoretical Physical Science. 8. Singapore: World Scientific Publishing. xxxi, 583 p. (2002).

This book starts with a 3-pages Preface by J. P. Hsu, who also wrote 11 pages entitled “Remarks on the development of the Lorentz and Poincaré Invariance”. Chapter 7 is a reprint of *Y. Z. Zhang* [Test theories of special relativity, first published in *Gen. Relativity Gravitation* 27 475-483 (1995)]. Insofar, Hsu and Zhang are also authors of the book under consideration. However, the majority of its almost 600 pages is composed from reprints of papers by other authors; so, it should be mentioned, that Hsu and Zhang are more editors than authors of that book. The most prominent among the authors of the reprinted papers are: J. Larmor, H. Lorentz, A. Einstein, M. Planck, H. Minkowski, W. Pauli, H. Reichenbach, P. Dirac, S. Weinberg and J. Bjorken. Those of German language origin are given in an English language translation. It is a good idea to collect these key papers on the development of special relativity into one single volume.

Reviewer: [Hans-Jürgen Schmidt \(Potsdam\)](#)

MSC:

- [83-02](#) Research exposition (monographs, survey articles) pertaining to relativity and gravitational theory
- [83A05](#) Special relativity
- [00B60](#) Collections of reprinted articles
- [00B50](#) Collections of translated articles of general interest

Keywords:

[special relativity](#); [Hamiltonian](#); [Lorentz group](#)