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   Autore   Pesin Yakov B.

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   Sommario/riassunto   This book is an introduction to the modern theory of partial
                                 hyperbolicity with applications to stable ergodicity theory of smooth
                                 dynamical systems. It provides a systematic treatment of the theory and
                                 describes all the basic concepts and major results that have been
                                 obtained in the area since its creation around the early 1970s. It can be
                                 used as a textbook for a graduate student course and is also of interest
                                 to professional mathematicians working in the field of dynamical
                                 systems and their applications.