1. Record Nr. UNINA9910299984403321

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Titolo	Time-Varying Vector Fields and Their Flows / / by Saber Jafarpour, Andrew D. Lewis
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014
ISBN	3-319-10139-0
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (125 p.)
Collana	SpringerBriefs in Mathematics, , 2191-8198
Disciplina	514.72
Soggetti	System theory Dynamics Ergodic theory Topological groups Lie groups Systems Theory, Control Dynamical Systems and Ergodic Theory Topological Groups, Lie Groups
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Introduction -- Fibre Metrics for Jet Bundles -- Finitely Differentiable, Lipschitz, and Smooth Topologies -- The COhol-topology for the Space of Holomorphic Vector Fields -- The Cw-topology for the Space of Real Analytic Vector Fields -- Time-Varying Vector Fields -- References.
Sommario/riassunto	This short book provides a comprehensive and unified treatment of time-varying vector fields under a variety of regularity hypotheses, namely finitely differentiable, Lipschitz, smooth, holomorphic, and real analytic. The presentation of this material in the real analytic setting is new, as is the manner in which the various hypotheses are unified using functional analysis. Indeed, a major contribution of the book is the coherent development of locally convex topologies for the space of real analytic sections of a vector bundle, and the development of this in a manner that relates easily to classically known topologies in, for example, the finitely differentiable and smooth cases. The tools used in this development will be of use to researchers in the area of geometric

functional analysis.