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Autore	Polterovich, Leonid
Titolo	The geometry of the group of symplectic diffeomorphism / Leonid Polterovich
Pubbl/distr/stampa	Basel ; Boston ; Berlin : Birkhauser, c2001
ISBN	3764364327
Descrizione fisica	xii, 132 p. : ill. ; 24 cm.
Collana	Lectures in mathematics ETH Zurich
Classificazione	AMS 37J AMS 53D AMS 57R17 AMS 58D AMS 70H
Disciplina	516.362
Soggetti	Diffeomorphisms Hamiltonian systems Symplectic manifolds
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes bibliographical references (p. [125]-129) and index

2. Record Nr. UNINA9910483400203321

Autore	Bienvenido-Huertas David
Titolo	Optimization of the characterization of the thermal properties of the building envelope : analysis of the characterization of the facades using artificial intelligence / / David Bienvenido-Huertas, Carlos Rubio-Bellido
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-63629-1
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (vi, 72 pages) : illustrations (some color)
Collana	SpringerBriefs in Applied Sciences and Technology, , 2191-5318
Disciplina	720.47
Soggetti	Buildings - Thermal properties - Data processing Heat - Transmission Heat engineering Sustainable architecture Mass transfer
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	The Influence of the Thermal Properties -- Methods to Assess the Thermal Properties -- Methodological Framework of Artificial Intelligence -- Estimation of Stationary Thermal Properties -- Estimation of Periodic Thermal Properties -- Analysis of Other Approaches to Experimental Thermal Characterization.
Sommario/riassunto	This book is about the optimization of the characterization of the thermal properties of building envelopes, through experimental tests and the use of artificial intelligence. It analyses periodic and stationary thermal properties using measurement approaches based on the heat flow meter method and the thermometric method. These measurements are then analysed using advanced artificial intelligence algorithms. The book is structured in four parts, beginning with a discussion of the importance of thermal properties in the energy performance of buildings. Secondly, theoretical and experimental methods for characterizing thermal properties are analysed. Then, the methodology is developed, and the characteristics and properties of the

algorithms used are explored. Finally, the results obtained with the algorithms are analysed and the most appropriate approaches are determined. This book is of interest to researchers, civil and industrial engineers, energy auditors and architects, by providing a resource which improves energy audit tasks in existing buildings.