1.

Record Nr.	UNINA9910522310503321
Autore	Bartolini, Paolo
Titolo	La vita lucida : un dialogo su potere, pandemia e liberazione / Poalo Bartolini, Lelio Demichelis ; postfazione di Miguel Benasayag
Pubbl/distr/stampa	Milano, : Jaca Book, 2021
ISBN	9788816416949
Descrizione fisica	201 p. ; 22 cm
Collana	Dissidenze
Altri autori (Persone)	Demichelis, Lelio
Disciplina	303.3
Locazione	bfs
Collocazione	303.3 BAR 4
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910770275003321
Autore	Santambrogio Filippo
Titolo	A Course in the Calculus of Variations : Optimization, Regularity, and Modeling / / by Filippo Santambrogio
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	9783031450365 9783031450358
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (354 pages)
Collana	Universitext, , 2191-6675
Disciplina	519.6 515.64
Soggetti	Mathematical optimization Calculus of variations Functional analysis Differential equations Calculus of Variations and Optimization Functional Analysis Differential Equations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1 One-dimensional variational problems -- 2 Multi-dimensional variational problems -- 3 Lower semicontinuity -- 4 Convexity and its applications -- 5 Hölder regularity -- 6 Variational problems for sets -- 7 -convergence: theory and examples.
Sommario/riassunto	This book provides an introduction to the broad topic of the calculus of variations. It addresses the most natural questions on variational problems and the mathematical complexities they present. Beginning with the scientific modeling that motivates the subject, the book then tackles mathematical questions such as the existence and uniqueness of solutions, their characterization in terms of partial differential equations, and their regularity. It includes both classical and recent results on one-dimensional variational problems, as well as the adaptation to the multi-dimensional case. Here, convexity plays an important role in establishing semi-continuity results and connections

with techniques from optimization, and convex duality is even used to produce regularity results. This is then followed by the more classical Hölder regularity theory for elliptic PDEs and some geometric variational problems on sets, including the isoperimetric inequality and the Steiner tree problem. The book concludes with a chapter on the limits of sequences of variational problems, expressed in terms of -convergence. While primarily designed for master's-level and advanced courses, this textbook, based on its author's instructional experience, also offers original insights that may be of interest to PhD students and researchers. A foundational understanding of measure theory and functional analysis is required, but all the essential concepts are reiterated throughout the book using special memo-boxes.