1. Record Nr. UNISA996197883703316

Titolo	Terrorism and political violence
Pubbl/distr/stampa	London : , : F. Cass, , 1989- Philadelphia, PA : , : Taylor & Francis
ISSN	1556-1836
Descrizione fisica	1 online resource
Disciplina	303.6/25/05
Soggetti	Terrorism Violence Terrorisme Periodicals.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed

2. Record Nr. UNINA9910739464403321

Autore	Dittrich Walter
Titolo	The Development of the Action Principle : A Didactic History from Euler-Lagrange to Schwinger / / by Walter Dittrich
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-69105-5
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (141 pages)
Collana	SpringerBriefs in Physics, , 2191-5431
Disciplina	530.1209
Soggetti	Mechanics Physics—History Mathematical physics Particles (Nuclear physics) Quantum field theory Physics—Philosophy Classical Mechanics History of Physics and Astronomy Mathematical Physics Elementary Particles, Quantum Field Theory Philosophical Foundations of Physics and Astronomy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Short Historical Introduction -- Curva Elastica -- The Curva Elastica, a Curve of Least Energy -- From Euler to Lagrange -- Laplace and the Capillary - 1807 -- A Final Application in Elasticity with Jacobi Elliptic Functions -- Short List of Jacobi Elliptic Functions and Constants Used in Chapter 5 -- Variational Methods for Periodic Motions; Mathieu Functions -- Lagrangian for Isentropic Irrotational Flow -- Action Principle in Classical Electrodynamics -- The Two Giants in Gravity: Einstein and Hilbert -- The Quantum Action Principle -- The Action Principle in Quantum Field Theory -- Quantum Field Theory on Space-Like Hypersurfaces -- Lagrangian Formulation of Gauge Theories -- Effective Actions (Lagrangians) in Quantum Field Theory -- Modified Photon Propagation Function, Source Theory.

Sommario/riassunto	This book describes the historical development of the principle of stationary action from the 17th to the 20th centuries. Reference is made to the most important contributors to this topic, in particular Bernoullis, Leibniz, Euler, Lagrange and Laplace. The leading theme is how the action principle is applied to problems in classical physics such as hydrodynamics, electrodynamics and gravity, extending also to the modern formulation of quantum mechanics and quantum field theory, especially quantum electrodynamics. A critical analysis of operator versus c-number field theory is given. The book contains many worked examples. In particular, the term "vacuum" is scrutinized. The book is aimed primarily at actively working researchers, graduate students and historians interested in the philosophical interpretation and evolution of physics; in particular, in understanding the action principle and its application to a wide range of natural phenomena.