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Autore	Jünger, Ernst
Titolo	Il nodo di Gordio : Dialogo su Oriente e Occidente nella storia del mondo / Ernst Jünger, Carl Schmitt
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Altri autori (Persone)	Schmitt, Carl
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2. Record Nr.	UNINA9910543313403321
Autore	Caltagirone Jean-Paul
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Soggetti	Mechanics, Analytic Nonlinear mechanics Fluid mechanics
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Nota di contenuto	Fundamental Principles of Discrete Mechanics -- Conservation of Acceleration -- Conservation of Mass, Flux and Energy -- Properties of the Discrete Formulation -- Two-Phase Flows, Capillarity and Wetting -- Stresses and Strains in Solids -- Multiphysical Extensions.
Sommario/riassunto	The discrete vision of mechanics is based on the founding ideas of Galileo and the principles of relativity and equivalence, which postulate the equality between gravitational mass and inertial mass. To these principles are added the Hodge-Helmholtz decomposition, the principle of accumulation of constraints and the hypothesis of the duality of physical actions. These principles make it possible to establish the equation of motion based on the conservation of acceleration considered as an absolute quantity in a local frame of reference, in the form of a sum of the gradient of the scalar potential and the curl of the vector potential. These potentials, which represent the constraints of compression and rotation, are updated from the discrete operators. Discrete Mechanics: Concepts and Applications shows that this equation of discrete motion is representative of the compressible or incompressible flows of viscous or perfect fluids, the state of stress in an elastic solid or complex fluid and the propagation

of nonlinear waves.
