

1.	Record Nr.	UNINA9910714311403321
	Titolo	State and USAID : status of GAO recommendations made in 2015 and 2016
	Pubbl/distr/stampa	Washington, DC : , : United States Government Accountability Office, , 2018
	Descrizione fisica	1 online resource (22 pages)
	Soggetti	Administrative agencies - United States - Auditing
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
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2.	Record Nr.	UNINA9910813480403321
	Autore	Caltagirone Jean-Paul
	Titolo	Discrete mechanics : concepts and applications // Jean-Paul Caltagirone
	Pubbl/distr/stampa	London, UK ; ; Hoboken, NJ : , : ISTE : , : Wiley, , 2019
	ISBN	1-119-57516-8 1-119-48282-8 1-119-57514-1
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	Disciplina	531
	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.
