

1. Record Nr.	UNINA9910811819503321
Autore	Ambrosio Luigi
Titolo	Nonlinear diffusion equations and curvature conditions in metric measure spaces / / Luigi Ambrosio, Andrea Mondino, Giuseppe Savare
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , [2019] ©2019
ISBN	1-4704-5513-7
Descrizione fisica	1 online resource (v, 121 pages) : illustrations
Collana	Memoirs of the American Mathematical Society ; ; Number 1270
Classificazione	49J5249Q2035K5558J3535K9031C2558B20
Disciplina	514.32
Soggetti	Metric spaces
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Contraction and convexity via Hamiltonian estimates : an heuristic argument -- Dirichlet forms, homogeneous spaces and nonlinear diffusion -- Backward and forward linearizations of nonlinear diffusion -- Preliminaries -- Absolutely continuous curves in Wasserstein spaces and continuity inequalities in a metric setting -- Weighted energy functionals along absolutely continuous curves -- Dynamic Kantorovich potentials, continuity equation and dual weighted Cheeger energies -- The RCD* (K, N) condition and its characterizations through weighted convexity and evolution variational inequalities -- The Bakry-Emery condition -- Nonlinear diffusion equations and action estimates -- The equivalence between BE(K, N) and RCD* (K, N).