

1. Record Nr.	UNISA996465860403316
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Titolo	A Collection of Test Problems for Constrained Global Optimization Algorithms [[electronic resource] /] / by Christodoulos A. Floudas, Panos M. Pardalos
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1990
ISBN	3-540-46327-5
Edizione	[1st ed. 1990.]
Descrizione fisica	1 online resource (XV, 185 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 455
Disciplina	004.0151
Soggetti	Computers Chemoinformatics Numerical analysis System theory Calculus of variations Economic theory Theory of Computation Computer Applications in Chemistry Numerical Analysis Systems Theory, Control Calculus of Variations and Optimal Control; Optimization Economic Theory/Quantitative Economics/Mathematical Methods
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Quadratic programming test problems -- Quadratically constrained test problems -- Nonlinear programming test problems -- Distillation column sequencing test problems -- Pooling/blending test problems -- Heat exchanger network synthesis test problems -- Phase and chemical reaction equilibrium test problems -- Complex chemical reactor network test problems -- Reactor-seperator-recycle system test problems -- Mechanical design test problems -- VLSI design test problems.
Sommario/riassunto	Significant research activity has occurred in the area of global

optimization in recent years. Many new theoretical, algorithmic, and computational contributions have resulted. Despite the major importance of test problems for researchers, there has been a lack of representative nonconvex test problems for constrained global optimization algorithms. This book is motivated by the scarcity of global optimization test problems and represents the first systematic collection of test problems for evaluating and testing constrained global optimization algorithms. This collection includes problems arising in a variety of engineering applications, and test problems from published computational reports.
