

1. Record Nr.	UNISA996217137603316
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Titolo	Particle swarm optimization // Maurice Clerc
Pubbl/distr/stampa	London ; ; Newport Beach : , : ISTE, , 2006 ©2006
ISBN	9780470612163 9786610510566 1-84704-454-9 0-470-61216-9 0-470-39443-9 1-84704-554-5
Descrizione fisica	1 online resource (245 pages)
Collana	ISTE ; ; v.93
Disciplina	006.3 519.62
Soggetti	Mathematical optimization Particles (Nuclear physics) Swarm intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references (p. [233]-238) and index.
Nota di contenuto	Particle Swarm Optimization; Table of Contents; Foreword; Introduction; Part I. Particle Swarm Optimization; Chapter 1. What is a Difficult Problem?; 1.1. An intrinsic definition.; 1.2. Estimation and practical measurement.; 1.3. For "amatheurs": some estimates of difficulty; 1.3.1. Function $xd$ ; 1.3.2. Function $x2d$ ; 1.3.3. Function $xd \sin(xd) $ ; 1.3.4. Traveling salesman on D cities; 1.4. Summary; Chapter 2. On a Table Corner; 2.1. Apriarian metaphor; 2.2. An aside on the spreading of a rumor; 2.3. Abstract formulation; 2.4. What is really transmitted; 2.5. Cooperation versus competition; 2.6. For "amatheurs": a simple calculation of propagation of rumor; 2.7. Summary; Chapter 3. First Formulations; 3.1. Minimal version; 3.1.1. Swarm size; 3.1.2. Information links; 3.1.3. Initialization; 3.1.4. Equations of motion; 3.1.5. Interval confinement; 3.1.6. Proximity distributions; 3.2. Two common errors; 3.3. Principal drawbacks of this formulation; 3.3.1.

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#### Sommario/riassunto

This is the first book devoted entirely to Particle Swarm Optimization (PSO), which is a non-specific algorithm, similar to evolutionary algorithms, such as taboo search and ant colonies. Since its original development in 1995, PSO has mainly been applied to continuous-discrete heterogeneous strongly non-linear numerical optimization and it is thus used almost everywhere in the world. Its convergence rate also makes it a preferred tool in dynamic optimization.

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