



Creative evolutionary systems /

Bentley, Peter J. (1972-)

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Corne, David

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CD-ROMs

Monografía

Disc contains: Audio CD. Data Track; LadyBug; Olivine Trees; The Rake; Grain Streams (Vanishing Point); Force-4; Living Melodies; Soundscape T2. -- CD-ROM. Origine Generative Form Explorer; The Art of Rendering Music from Cellular Automata; An Evolutionary Environment for Interactive Composition; Visual Aesthetic Evolutionary Design Links; Living Melodies (description and demo software); The Cyclic Glade (artwork); Darwin2K open source toolkit for robot simulation and design; GenePool and Darwin software; Extended version of chapter 5; Soundscape Java Demo; Video of Feeping Creatures

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Contenido: An introduction to creative evolutionary systems / Peter J. Bentley and David W. Corne -- pt. 1. Evolutionary creativity. Creativity in evolution: individuals, interactions, and environments / Tim Taylor -- Recognizability of the idea: the evolutionary process of Argenia / Celestino Soddu -- Breeding aesthetic objects: art and artificial evolution / Mitchell Whitelaw -- The beer can theory of creativity / Liane Gabora -- pt. 2. Evolutionary music. GenJam : evolution of a jazz improviser / John A. Biles -- On the origins and evolution of music in virtual worlds / Eduardo Reck Miranda -- Vox populi: evolutionary computation for music evolution / Artemis Moroni [and others] -- The sound gallery--an interactive A-life artwork / Sam Woolf and Adrian Thompson -- pt. 3. Creative evolutionary design. Creative design and the generative evolutionary paradigm / John Frazer -- Genetic programming: biologically inspired computation that exhibits creativity in producing human-competitive results / John R. Koza [and others] -- Toward a symbiotic coevolutionary approach to architecture / Helen Jackson -- Using evolutionary algorithms to aid designers of architectural structures / Peter von Buelow -- pt. 4. Evolutionary art. Eons of genetically evolved algorithmic images / Steven Rooke -- Art, robots, and evolution as

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Materia: Evolutionary programming (Computer science) Computer-aided design Evolutionary computation Creative ability in technology Computer-Aided Design Programmation évolutive Réseaux neuronaux à structure évolutive Créativité en technologie Conception assistée par ordinateur computer-aided designs (visual works) computer-aided design (process) COMPUTERS- Programming- Open Source. COMPUTERS- Software Development & Engineering- Tools. COMPUTERS- Software Development & Engineering- General. Computer-aided design. Creative ability in technology. Evolutionary computation. Evolutionary programming (Computer science)

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