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Nota di contenuto	Theory of Evolutionary Computing (I) -- Optimal Fixed and Adaptive Mutation Rates for the LeadingOnes Problem -- Mirrored Sampling and Sequential Selection for Evolution Strategies -- Optimisation and Generalisation: Footprints in Instance Space -- Adaptive Drift Analysis -- Optimizing Monotone Functions Can Be Difficult -- Log-Linear Convergence of the Scale-Invariant (?? w ,?) -ES and Optimal ? for Intermediate Recombination for Large Population Sizes -- Exploiting Overlap When Searching for Robust Optima -- Benchmarking Evolutionary Algorithms: Towards Exploratory Landscape Analysis -- One-Point Geometric Crossover -- When Does Dependency Modelling Help? Using a Randomized Landscape Generator to Compare Algorithms in Terms of Problem Structure -- First-Improvement vs. Best-Improvement Local Optima Networks of NK Landscapes -- Differential Mutation Based on Population Covariance Matrix -- General Lower Bounds for the Running Time of Evolutionary Algorithms -- A Binary Encoding Supporting Both Mutation and Recombination -- Towards Analyzing Recombination Operators in Evolutionary Search -- Theory of Evolutionary Computing (II) -- Bidirectional Relation between CMA Evolution Strategies and Natural Evolution Strategies -- A Fine-Grained View of GP Locality with Binary Decision Diagrams as Ant Phenotypes -- Drift Analysis with Tail Bounds -- More Effective

Crossover Operators for the All-Pairs Shortest Path Problem -- Comparison-Based Adaptive Strategy Selection with Bandits in Differential Evolution -- Fixed Parameter Evolutionary Algorithms and Maximum Leaf Spanning Trees: A Matter of Mutation -- An Archive Maintenance Scheme for Finding Robust Solutions -- Experimental Supplements to the Theoretical Analysis of Migration in the Island Model -- General Scheme for Analyzing Running Times of Parallel Evolutionary Algorithms -- Negative Drift in Populations -- Log(?) Modifications for Optimal Parallelism -- The Linkage Tree Genetic Algorithm -- An Analysis of the XOR Dynamic Problem Generator Based on the Dynamical System -- The Role of Degenerate Robustness in the Evolvability of Multi-agent Systems in Dynamic Environments -- Machine Learning, Classifier Systems, Image Processing -- Evolutionary Learning of Technical Trading Rules without Data-Mining Bias -- Using Computational Intelligence to Identify Performance Bottlenecks in a Computer System -- Selecting Small Audio Feature Sets in Music Classification by Means of Asymmetric Mutation -- Globally Induced Model Trees: An Evolutionary Approach -- Open-Ended Evolutionary Robotics: An Information Theoretic Approach -- A Novel Similarity-Based Crossover for Artificial Neural Network Evolution -- Indirect Encoding of Neural Networks for Scalable Go -- Comparison-Based Optimizers Need Comparison-Based Surrogates -- A Cooperative Coevolutionary Approach to Partitional Clustering -- Feature Selection for Multi-purpose Predictive Models: A Many-Objective Task -- Incorporating Domain Knowledge into Evolutionary Computing for Discovering Gene-Gene Interaction -- The Application of Pittsburgh-Style Learning Classifier Systems to Address Genetic Heterogeneity and Epistasis in Association Studies -- Threshold Selection, Mitosis and Dual Mutation in Cooperative Co-evolution: Application to Medical 3D Tomography -- Comparative Analysis of Search and Score Metaheuristics for Bayesian Network Structure Learning Using Node Juxtaposition Distributions -- Analyzing the Credit Default Swap Market Using Cartesian Genetic Programming -- Memetic Algorithms, Hybridized Techniques, Meta and Hyperheuristics -- A Memetic Cooperative Optimization Schema and Its Application to the Tool Switching Problem -- Ownership and Trade in Spatial Evolutionary Memetic Games -- A Hyper-Heuristic Approach to Strip Packing Problems -- Asymptotic Analysis of Computational Multi-Agent Systems -- Path-Guided Mutation for Stochastic Pareto Local Search Algorithms -- Scheduling English Football Fixtures over the Holiday Period Using Hyper-heuristics -- Graph Clustering Based Model Building -- How to Choose Solutions for Local Search in Multiobjective Combinatorial Memetic Algorithms -- Secure and Task Abortion Aware GA-Based Hybrid Metaheuristics for Grid Scheduling -- A Memetic Algorithm for the Pickup and Delivery Problem with Time Windows Using Selective Route Exchange Crossover -- Ant Based Hyper Heuristics with Space Reduction: A Case Study of the p-Median Problem -- A Study of Multi-parent Crossover Operators in a Memetic Algorithm -- A Hybrid Genetic Algorithm for the Traveling Salesman Problem Using Generalized Partition Crossover -- A Memetic Algorithm with Non Gradient-Based Local Search Assisted by a Meta-model -- Multiobjective Optimization, Theoretical Aspects -- Theoretically Investigating Optimal ρ -Distributions for the Hypervolume Indicator: First Results for Three Objectives -- Convergence Rates of (1+1) Evolutionary Multiobjective Optimization Algorithms -- Tight Bounds for the Approximation Ratio of the Hypervolume Indicator -- Evolutionary Multiobjective Optimization Algorithm as a Markov System -- A Natural Evolution Strategy for Multi-objective Optimization --

Solving Multiobjective Optimization Problem by Constraint Optimization -- Enhancing Diversity for Average Ranking Method in Evolutionary Many-Objective Optimization -- Objective Space Partitioning Using Conflict Information for Many-Objective Optimization -- How Crossover Speeds Up Evolutionary Algorithms for the Multi-criteria All-Pairs-Shortest-Path Problem -- Path Relinking on Many-Objective NK-Landscapes -- In Search of Equitable Solutions Using Multi-objective Evolutionary Algorithms -- Stopping Criteria for Genetic Algorithms with Application to Multiobjective Optimization -- Defining and Optimizing Indicator-Based Diversity Measures in Multiobjective Search -- On Expected-Improvement Criteria for Model-based Multi-objective Optimization -- Parameter Tuning Boosts Performance of Variation Operators in Multiobjective Optimization.
