

Stochastic algorithms

1. Random Search
2. Adaptive Random Search
3. Stochastic Hill Climbing
4. Iterated Local Search
5. Guided Local Search
6. Variable Neighborhood Search
7. Greedy Randomized Adaptive Search
8. Scatter Search
9. Tabu Search
10. Reactive Tabu Search

Physical Algorithm

1. Simulated Annealing
2. Extremal Optimization
3. Harmony Search
4. Cultural Algorithm
5. Memetic Algorithm

Probabilistic Algorithms

1. Population-Based Incremental Learning
2. Univariate Marginal Distribution Algorithm
3. Compact Genetic Algorithm
4. Bayesian Optimization Algorithm
5. Cross-Entropy Method

Swarm Algorithms

1. Particle Swarm Optimization
2. Ant System
3. Ant Colony System
4. Bees Algorithm
5. Bacterial Foraging Optimization Algorithm

Immune Algorithms

1. Clonal Selection Algorithm
2. Negative Selection Algorithm
3. Artificial Immune Recognition System
4. Immune Network Algorithm
5. Dendritic Cell Algorithm

Neural Algorithms

1. Perceptron
2. Back-propagation
3. Hopfield Network
4. Learning Vector Quantization
5. Self-Organizing Map