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Nota di contenuto	Intro -- Foreword -- Preface -- Contents -- Multimodal Optimization: Formulation, Heuristics, and a Decade of Advances -- 1 Introduction -- 2 Definitions -- 2.1 The General Optimisation Problem -- 2.2 The Multimodal Optimization Problem -- 3 Performance Measures -- 4 Benchmark Suites and Problem Generators -- 5 Popular Algorithmic Approaches and History of the Field -- 6 Niching Competition Result Analysis -- 7 Conclusion -- References -- Representation, Resolution, and Visualization in Multimodal Optimization -- 1 Multimodal Optimization: The What and the Why -- 1.1 What Is a Mode? -- 1.2 Why Optimize Multiple Modes? -- 2 Representation, Resolution, and Basic Visualizations Plots -- 3 Visualizing the Multimodal Landscape: Local Optima Networks -- 4 Conclusion -- References -- Finding Representative Solutions in Multimodal Optimization for Enhanced Decision-Making -- 1 Introduction -- 2 Related Work -- 2.1 Classic Niching Methods -- 2.2 Recent Development -- 2.3 Differential Evolution -- 2.4 Hopkins-Statistic -- 2.5 Adaptable Non-maximal Suppression -- 3 Suppression-Radius-Based Niching (SRN) -- 3.1 Phase I-Identifying Representative Areas -- 3.2 Phase II-Guided Search Toward Representative Areas -- 4 Experiments -- 4.1 Experimental Design -- 4.2 Incorporating a User Specified Number of Optima -- 4.3 Automatic Estimation of the Number of Optima -- 4.4 No Specification

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