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9.4 Practical Issues in Using a Genetic Algorithm 413 TABLE 9.23 The Move-and-insert Gene Mutation City Tour p 1 (before) Delta Baker Charlie Echo Able p 1 (after) Delta ... - Selection from Fuzzy Modeling and Genetic Algorithms for Data Mining and Exploration [Book]

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underlying the use of fuzzy systems and genetic algorithms. These two technologies are

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complementary in many ways. Fuzzy systems provide an extraordinarily rich way of representing and manipulating a wide universe of diverse business, industry, policy, and technical data. Fuzzy-logic-based clustering, query, and rule-based systems have a rich-

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programming methods have been used success

Genetic fuzzy systems - Wikipedia

530 Index universe of discourse. See also domain alpha cuts and, 88 crisp sets and, 72–73 de?ned, 72 domain and, 69, 72n fuzzy sets and, 77 genetic tuning and, ... - Selection from Fuzzy Modeling and Genetic Algorithms for Data Mining and Exploration [Book]

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In this paper, fuzzy modeling using genetic algorithms (GAs) using a new conciseness measure is presented. Conciseness is a criterion that represents the linguistic interpretability of fuzzy models, and it is defined by referring to the shape and allocation of the membership functions of a fuzzy model.

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Jang, 1992, Jang, 1993 combined both FL and ANN to produce a powerful processing tool, named adaptive neuro-fuzzy inference system (ANFIS). ANFIS uses an ANN learning

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algorithm to set fuzzy rule with the appropriate MFs from input and output data. Actually, this technique is an appropriate solution for function approximation in which a hybrid learning algorithm applied for the shape and the ...

A hybrid neural networks-fuzzy logic-genetic algorithm for ...

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