## The Fuzzy Inference Based on Genetic Algorithm

Zhang Jianhua, Jiang Qian School of Information and Science & Engineering, Shenyang University of Technology, Shenyang, Liaoning Province, 110023, P. R. China E-mail: zhangjianhua2002@hotmail.com

## ABSTRACT

This article analyzes the fuzzy conversion and fuzzy inference in the fuzzy mathematical theory. It has pointed out that the introduction of genetic algorithm, which may confer the ability of inference knowledge on Fuzzy control, Pattern Recognition, Modeling and simulation of complex systems, Identification and estimation.

Keywords: genetic algorithm, fuzzy algorithm