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NEURO FUZZY BODY CLIMATE CONTROL

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Abstract

The Fuzzy body climate controller can easily be configured to provide precise control. The advanced Smarter "Fuzzy" allows processes to be controlled body temperature, where electronic components enable implementation of smart clothes that enhance or augment the functionality of the ordinary clothing. As the control detects a process disturbance the fuzzy logic continuous decision making function quickly returns the process value to the set point. A certain comfort level is reached with different environment, depending on a number of conditions, all performed by the powerful software Matlab and single chip microprocessor. This project is to build a fuzzy expert system that involves defining fuzzy sets and fuzzy rules, evaluating and then tuning the system to meet the specified requirements. The experimental result should be analyze and able to make conclusion to this project.