

# **Simulation System for Automatic Washing Machine By Using Fuzzy Logic**

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## **Abstract**

*Intelligent control of home appliances has attracted much theoretical attention, as well as becoming a major factor for industrial and economic success and rapid market penetration. A fuzzy control that uses rules based on human operator's experiences is applied to washing machine automation system. Washing machine automation system is a nonlinear control function. The predictive fuzzy control , which selects the most likely control command based on predictions of control objectives, has been proposed. This control method has been applied to washing machine automation system which control wash-time and wash-cycle. The control strategy program os implemented by using C#.Net programming language.*