

## Defuzzification of Periodic Membership Function on Circular Coordinates

**Authors :** Takashi Mitsuishi, Koji Saigusa

**Abstract :** This paper presents circular polar coordinates transformation of periodic fuzzy membership function. The purpose is identification of domain of periodic membership functions in consequent part of IF-THEN rules. The proposed methods are applied to the simple color construct system.

**Keywords :** periodic membership function, polar coordinates transformation, defuzzification, circular coordinates

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