

Full Title of Your Paper

Peng Shi¹, Yuanqing Xia¹ and Kebir Boukas²

¹School of Technology
University of Glamorgan
Pontypridd, Wales, CF37 1DL, United Kingdom
{ pshi; yxia }@glam.ac.uk

²Department of Mechanical Engineering
Ecole polytechnique de Montreal
P. O. Box 6079, Station centre-ville, Montreal, Quebec, H3C 3A7, Canada
el-kebir.boukas@polymtl.ca

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1. **Introduction.** Please write down the Introduction of your paper here....

2. **Research Questions.** Please write down research questions in this section. When you cite some references, please give numbers, such as, ... In the work of [1-3,5], the problem of... For more results on this topic, we refer readers to [1,4,5] and the references therein....

3. **Methodologies.** Please write down methodologies employed in this paper...
Examples for writing definition, lemma, theorem, corollary, example, remark.

Definition 3.1. *System (1) is stable if and only if...*

Lemma 3.1. *If system (1) is stable, then...*

Corollary 3.1. *If there is no uncertainty in system (1), i.e., $\Delta A = 0$, then...*

Example 3.1. *Let us consider the following example...*

$$\ddot{y} x(t) = Ax(t) + Bu(t) + B_1w(t) \quad (1)$$

$$y(t) = Cx(t) + Du(t) + D_1w(t) \quad (2)$$

Lemma 3.2. *If system (3)-(4) is stable, then...*

$$\ddot{y} x(t) = Ax(t) + Bu(t) + B_1w(t) \quad (3)$$

$$y(t) = Cx(t) + Du(t) + D_1w(t) \quad (4)$$

Theorem 3.1. *Consider system (3) with the control law...*

Proof: Let....

Remark 3.1. *It should be noted that the result in Theorem 3.1...*

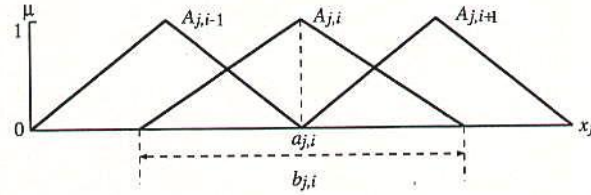


FIGURE 1. Triangular-type membership functions for x_j .

4. **Results.** In this section, we present...

TABLE 1. Fuzzy rule table by FSTRM

x_1/x_2	A_{21}	...	A_{2j}	...	A_{2k}
A_{11}	w_1/y_1	...	w_j/y_j	...	w_k/y_k
A_{12}	w_{k+1}/y_{k+1}	...	w_{k+j}/y_{k+j}	...	w_{2k}/y_{2k}
...			...		
A_{1i}	$w_{(i-1)k+j}/y_{(i-1)k+j}$...	
...			...		
A_{1r}	$w_{(i-1)k+1}/y_{(r-1)k+1}$			w_{rk}/y_{rk}

5. **Conclusion.** From this study, we can conclude that...

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