

## Full Title of Your Paper

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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.,  $A = 0$ , 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...*

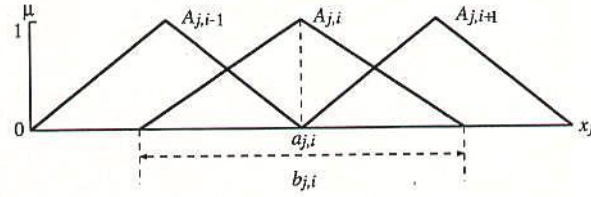


FIGURE 1. Triangular-type membership functions for  $x_j$ .

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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