

Full Title of Your Paper

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ABSTRACT. Please write down the abstract of your paper here...

Keywords: Please write down the keywords of your paper here, such as, Intelligent information, System control

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

2. **Problem Statement and Preliminaries.** Please write down your 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...

Examples for writing definition, lemma, theorem, corollary, example, remark.

Definition 2.1. System (1) is stable if and only if...

Lemma 2.1. If system (1) is stable, then...

Theorem 2.1. Consider system (1) with the control law...

Proof: Let...

Corollary 2.1. If there is no uncertainty in system (1), i.e., $\Delta A = 0$, then...

Remark 2.1. It should be noted that the result in Theorem 2.1...

Example 2.1. Let us consider the following example...

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

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

.....
3. **Main Results.** Here are the main results in this paper...

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

Lemma 3.1. If systems (1)-(2) are stable, then...

$$\ddot{y} x(t) = Ax(t) + Bu(t) + B_2w(t) \quad (3)$$

$$y(t) = Cx(t) + Du(t) + D_2w(t) \quad (4)$$

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

Proof: Let...

Corollary 3.1. If there is no uncertainty in system (3), i.e., $\Delta A = 0$, then...

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

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

TABLE 1. Sample Data

	x_1	x_2	x_3	x_4	x_5	x_6	x_7	x_8	x_9	x_{10}	x_{11}
M_1	1	1	1	0	0	0	0	0	0	0	0
M_2	0	0	1	1	1	1	1	0	1	0	0
M_3	0	1	0	1	1	0	0	1	0	0	0
M_4	1	0	0	0	2	0	0	1	0	0	0
M_5	0	0	0	1	0	1	1	0	0	0	0

4. **Control Design.** In this section, we present...

$$\dot{y} x(t) = Ax(t) + Bu(t) + B_3w(t) \tag{5}$$

$$y(t) = Cx(t) + Du(t) + D_3w(t) \tag{6}$$

Definition 4.1. System (5) is stable if and only if...

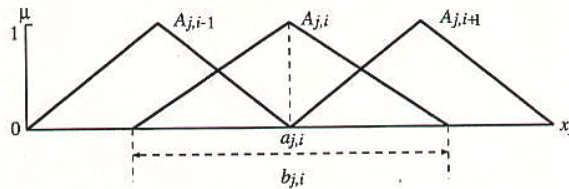


FIGURE 1. Triangular-type membership functions for x_j

Lemma 4.1. If system (5) is stable, then...

Theorem 4.1. Consider system (5)-(6) with the control law...

Proof: Let...

Corollary 4.1. If there is no uncertainty in system (5)-(6), i.e., $\Delta A = 0$, then...

Remark 4.1. It should be noted that the result in Theorem 4.1...

Example 4.1. Let us consider the following example...

.....
5. **Conclusions.** The conclusion of your paper is here...

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