

## 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, Control systems, Genetic algorithm, ...

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...

2.1. **Several definitions and theorems.** Please write down your subsection.

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...

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

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

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

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

**Definition 3.1.** *System (3) is stable if and only if...*

**Lemma 3.1.** *If system (3)-(4) is stable, then...*

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

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

**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...*

.....

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

$$\dot{x}(t) = Ax(t) + Bu(t) + B_1w(t) \tag{5}$$

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

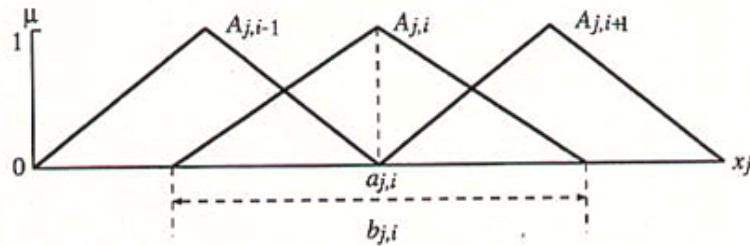


FIGURE 1. Example of figure

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

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

**Proof:** Let...

**Corollary 4.1.** *If there is no uncertainty in system (5), 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. **Numerical Example.**

TABLE 1. Sample data

	$x_1$	$x_2$	$x_3$	$x_4$	$x_5$	$x_6$	$x_7$	$x_8$	$x_9$	$x_{10}$	$x_{11}$	$x_{12}$
$M_1$	1	1	1	0	0	0	0	0	0	0	0	0
$M_2$	0	0	1	1	1	1	1	0	1	0	0	0
$M_3$	0	1	0	1	1	0	0	1	0	0	0	0
$M_4$	1	0	0	0	2	0	0	1	0	0	0	0
$M_5$	0	0	0	1	0	1	1	0	0	0	0	0
$M_6$	0	0	0	0	0	0	0	0	0	1	0	0
$M_7$	0	0	0	0	0	0	0	0	0	1	1	0
$M_8$	0	0	0	0	0	0	0	0	0	1	1	1
$M_9$	0	0	0	0	0	0	0	0	1	0	1	1

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

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## Author Biography



**Yan Shi** received the BSc degree in applied mathematics from Northeast Heavy Machinery Institute (now Yanshan University), China, 1982; the MSc degree in applied mathematics from Dalian Maritime University, China, 1988; the PhD degree in information and computer sciences, from Osaka Electro-Communication University, Japan, 1997.

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