

Control Theory and Technology  
Style for manuscript

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**Abstract:**

First page must contain: i) title of paper, ii) author(s) and affiliation(s), iii) abstract, iv) keywords (not exceeding eight), v) footnotes (if desired) containing acknowledgement of financial or other support. Moreover, changes of authorship or in the order of the authors listed will not be accepted once submission is finished.

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## 1 Introduction

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Authors need to provide an introduction that includes a statement of the history of the problem and the purpose and contribution of the paper.

- **Title** Avoid abbreviations and formulae where possible.
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**1.1 Only the first word in the title initial capitalized**

**1.2 Environment**

**Theorem 1** If you use the above environments, it will be numbered automatically.

**Proof** If the above environments failed to prove their sufficiency, feel free to define your own theorem-like environments.

**Theorem 2** If you use the above environments, it will be numbered automatically.

**Assumption 1** If the above environments failed to prove their sufficiency, feel free to define your own theorem-like environments.

**Remark 1** If you use the above environments, it will be numbered automatically.

**Definition 1** If the above environments failed to prove their sufficiency, feel free to define your own theorem-like environments.

**Lemma 1** Time delays typically have negative effects on the NCSs’ stability and performance.

The process is carried out based on the following steps.

**Step 1** First, we set . . . .

**Step 2** Second, we compare . . . .

**2 Examples of equations**

Please use the environment

`\begin{eqnarray} . . . \end{eqnarray}` or  
`\begin{eqnarray*} . . . \end{eqnarray*}`

to write the equations. The examples are as follows:

$$f(x) = \begin{cases} \frac{1}{3}x^2, & \text{when } x \geq 0, \\ -\frac{1}{3}x^2, & \text{when } x \leq 0, \end{cases} \quad (1)$$

Moreover,

$$\begin{aligned} \underline{g}(x(t), u(t)) &= \sum_{i=1}^h u^i(t) A_{si} x(t), \\ (A + \Delta A)P(A + \Delta A)^T &\leq A(P^{-1} - \varepsilon^{-1}N^T N)^{-1}A^T + \varepsilon MM^T, \end{aligned} \quad (2)$$

and

$$\begin{aligned} \hat{\theta}_{t_0} &= \arg \min_{1 \leq i \leq N} \left\| \int_{t_0}^{t_0+\delta} \begin{bmatrix} x(s) \\ u(s) \end{bmatrix} dx^\tau(s) \right. \\ &\quad \left. - \int_{t_0}^{t_0+\delta} \begin{bmatrix} x(s) \\ u(s) \end{bmatrix} (x^\tau(s), u^\tau(s)) ds \begin{bmatrix} A_i^\tau \\ B_i^\tau \end{bmatrix} \right\|. \end{aligned} \quad (3)$$

One example of matrix is as follows:

$$\begin{bmatrix} \Omega_i & * & * & * \\ -\lambda_i B_i^T P_i & -R^{-1} & * & * \\ N_i^T P_i & 0 & -\varepsilon_{1i}^{-1} I & * \\ C_i - \lambda_i D_i B_i^T P_i \varepsilon_{2i} D_i H_i H_i^T & 0 & -\varepsilon_{1i} I & * \\ H_i^T B_i^T P_i & H_i^T & 0 & H_i^T D_i^T \end{bmatrix} < 0. \quad (4)$$

When dealing with well-known functions like min, sin, cos, etc., you should use their normal form in the math environment, i.e., use `\min`, `\sin`, `\cos`, . . . , respectively. `\arg \min\{\sin x \times \cos x + f(x) - g(x) + e(x)\}`.

**3 Figures**

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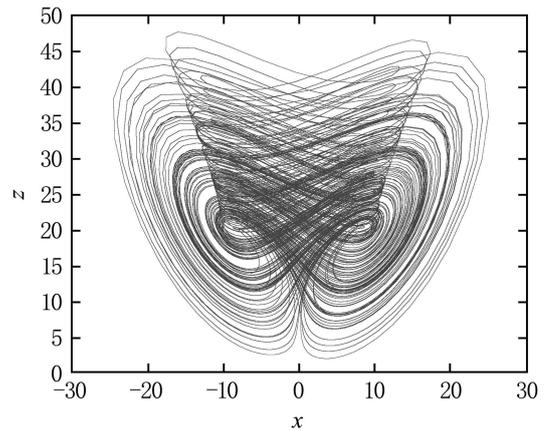


Fig. 1 Trajectory and attractive domains.

**4 Tables**

Use “Tabular” environment as usual. You may center the table most of the time to beautify your article. You also should name each table. Tables 1 and 2 are one typical example of tables.

Table 1 Observation results for LSE.

Item		
Animal	Description	Price (\$)
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.50
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 2 Observation results for LSE.

Animal	Description	Price (\$)
Gnat	per gram	13.65
Gnu	stuffed	92.50
Emu	stuffed	33.33
Armadillo	frozen	8.99

## Acknowledgements

Acknowledge here.

Reference should be numbered and appeared in a separate bibliography at the end of the paper, listed in the order of appearance in the text. Please see the file, “**Reference format.pdf**”, for details of CTT reference requirements. Examples are given below.

## References

- [1] M. S. Branicky. Multiple-Lyapunov functions and other analysis tools for switched and hybrid systems. *IEEE Transactions on Automatic Control*, 1998, 43(4): 475 – 482.
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## Appendix

Additional theorems, proofs, etc., can be put here.

**Sansan ZHANG** was . . . . Authors of accepted papers are requested to supply their brief biographies and photographs. E-mail: e-mail address (it is necessary).

**Si LI** was . . . . Authors of accepted papers are requested to supply their brief biographies and photographs. E-mail: e-mail address (it is necessary).

**Wu WANG** was . . . . Authors of accepted papers are requested to supply their brief biographies and photographs. E-mail: e-mail address (it is necessary).