

# Preparation of Papers for *Acta Automatica Sinica*

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**Abstract:** An abstract should be a concise summary of the significant items in the paper, including the results and conclusions. It should be about 5% of the length of the article, but not more than 200 words. Define all nonstandard symbols, abbreviations and acronyms used in the abstract. Do not cite references in the abstract.

**Keywords:** Keyword 1, keyword 2, keyword 3, keyword 4, keyword 5

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errors; any others may be charged to the author and any queries from editors should be answered in full. Extensive changes from the original are costly and may delay publication while being reviewed by the editor. Authors may be charged for the expense of making extensive changes in proof.

## 2 Manuscript preparation

Manuscripts should include the following parts: title, authors' names, authors' affiliations, abstract, keywords, text, acknowledgments, appendixes (if necessary), collected references in the order in which they are cited, short biography of every author, tables and figures.

### 2.1 Equations

Number equations consecutively throughout the text with Arabic numerals in parentheses: (1), (2), (3) etc. In appendixes use the numbering sequence: (A1), (A2), (A3), etc. Place equation numbers flush with the right margin.

Refer to "(1)," not "Eq. (1)" or "equation (1)," except at the beginning of a sentence: "Equation (1) is ..."

$$\begin{pmatrix} A_{cl}^T P + P A_{cl} & P B_1 \\ B_1^T P & -I \end{pmatrix} < 0 \quad (1)$$

$$g_i(t) = i \int_t^\infty e^{(A-SP_1)^T(r-t)} [P_1 A_1 x^{(i-1)}(r-\tau) + A_1^T P_1 x^{(i-1)}(r+\tau) + A_1^T g_{i-1}(r+\tau)] dr, \quad i = 1, 2, \dots \quad (2)$$

### 2.2 References

References must be listed in the order they were cited (numerical order). Number citations consecutively in square brackets<sup>[1]</sup>. The sentence punctuation follows the brackets<sup>[2]</sup>. Multiple references are numbered with one brackets, such as [1,3], [3-5], etc. When citing a section in a book, please give the relevant page numbers<sup>[1]</sup>. It is not necessary to mention the author(s) of the reference unless it is relevant to your text. In sentences, refer simply to the reference number, as "in [6]". Do not use "Ref. [7]" or "reference [7]" except at the beginning of a sentence: "Reference [7] shows." All publications cited in the text should be presented in the reference list at the end of the manuscript.

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This work was supported by National Natural Science Foundation of China (No.xxxxxxxx) (sponsor and financial support acknowledgment goes here).  
Recommended by Associate Editor BIAN Wei  
Citation: Shang Shu-Lin, Zuo Nian-Ming, Zhang Zhe. Preparation of papers for *Acta Automatica*. *Acta Automatica*, 201X, X(X): X-X  
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Place table titles above the tables. Do not abbreviate “Table.” No vertical lines in table. Statements that serve as captions for the entire table do not need footnote letters.

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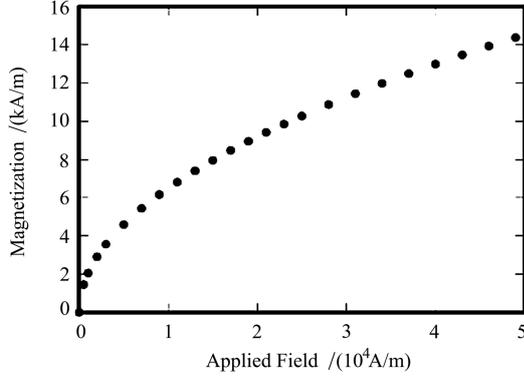
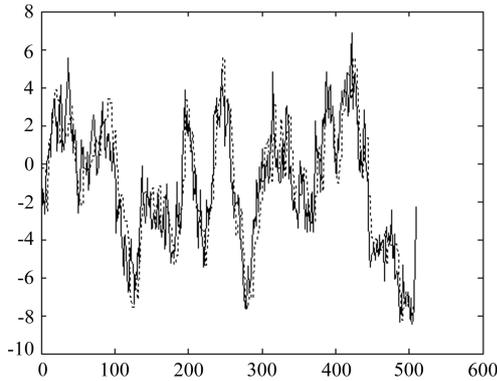
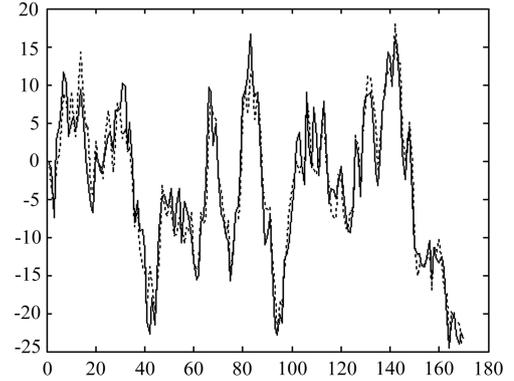


Fig. 1 Magnetization as a function of applied field. Note that “Fig.” is abbreviated. There is a period after the figure number, followed by a space. It is good practice to explain the significance of the figure in the caption



(a) Scale 1



(b) Scale 2

Fig. 2 Real value (solid) and estimated value (dotted)

Please do not use color unless it is necessary for the proper interpretation of your figures. Place figure captions below the figures. If your figure has two parts, include the labels “(a)” and “(b)” as part of the artwork. Please verify that the figures and tables you mention in the text actually exist. Please do not include captions as part of the figures. Do not put borders around the outside of your figures. Use the abbreviation “Fig.” even at the beginning of a sentence.

Figure axis labels are often a source of confusion. Use words rather than symbols. As an example, write the quantity “Magnetization,” or “Magnetization  $M$ ”, not just “ $M$ ”. Put units in parentheses. Do not label axes only with units. As in Fig. 1, for example, write “Magnetization (kA/m)” or “Magnetization (kA·m<sup>-1</sup>)”, not just “kA/m”. Do not label axes with a ratio of quantities and units. For example, write “Temperature (K),” not “Temperature/K.”

Multipliers can be especially confusing. Write “Magnetization (kA/m)” or “Magnetization (10<sup>3</sup> A/m).” Do not write “Magnetization (A/m) × 1 000” because the reader would not know whether the top axis label in Fig. 1 meant 16 000 A/m or 0.016 A/m. Figure labels should be legible.

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$$T_{N-i}(m_{N-i}) = \left[ \underbrace{O, \dots, O}_{Z_1^{N-i}(m_{N-i})} \underbrace{I \cdot h^{N-i}(n^{N-i}), I \cdot h^{N-i}(n^{N-i} - 1), \dots, I \cdot h^{N-i}(m^{N-i})}_{L^{(N-i)}} \underbrace{O, \dots, O}_{Z_2^{N-i}(m_{N-i})} \right] \quad (3)$$

$$\begin{bmatrix} \hat{\mathbf{x}}(k+1) \\ \mathbf{e}(k+1) \end{bmatrix} = \begin{bmatrix} A_0 + B_0 F + L_o(C(k) - C_0) & L_o C(k) \\ (A(k) - A_0) + (B(k) - B_0) F - L_o(C(k) - C_0) & A(k) - L_o C(k) \end{bmatrix} \begin{bmatrix} \hat{\mathbf{x}}(k) \\ \mathbf{e}(k) \end{bmatrix} \quad (4)$$

Table 1 The competing result of CSU\_Yunlu between some other RoboCup simulation teams

OPP	CSU:OPP	Group decision (%)	Unit decision (%)	Group decision/Unit decision
Cyberroos2001	3:0	71.5	28.5	2.51
FCPortugal2001	1:0	68.4	31.6	2.16
Gemini	26:0	59.7	40.3	1.48
Harmony	3:0	69.9	30.1	2.32
Lazarus	11:0	57.3	42.7	1.34
MRB	2:0	63.2	32.8	1.93
SBCe	4:1	65.8	34.2	1.92
UvA_Trilearn_2001	1:0	54.9	44.1	1.24
UTUtd	10:0	70.7	29.3	2.41
WrightEagle2001	3:1	66.2	33.8	1.96
Average		64.8	35.2	1.84

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## 4 Conclusion

Typical functions of the conclusion of a scientific paper include 1) summing up, 2) a statement of conclusions, 3) a statement of recommendations, and 4) a graceful termination. Any one of these, or any combination, may be appropriate for a particular paper. Some papers do not need a separate concluding section, particularly if the conclusions have already been stated in the introduction.

## Acknowledgement

The authors acknowledge . . .

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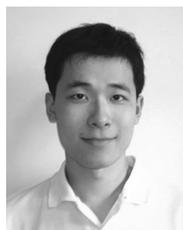
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