

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 3% of the length of the article, but not more than 100 words. Define all nonstandard symbols, abbreviations and acronyms used in the abstract. Do not cite references in the abstract.

Key words Keyword 1, keyword 2, keyword 3, keyword 4, keyword 5

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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 ..."

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

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

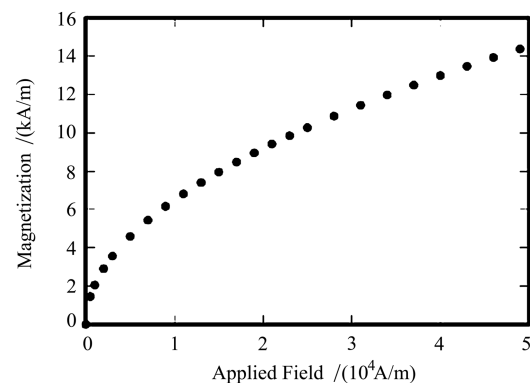


Fig.1 Magnetization as a function of applied field. Note that "Fig." is abbreviated. There is a period after the figure number, followed by a space. It is good practice to explain the significance of the figure in the caption

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References must be listed in the order they were cited (numerical order). Number citations consecutively in square brackets^[1]. The sentence punctuation follows the brackets^[2]. 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^[1]. It is not necessary to mention the author(s) of the reference unless

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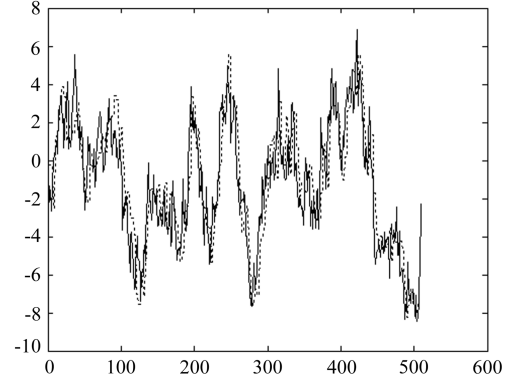
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Place table titles above the tables. Do not abbreviate “Table.” No vertical lines in table. Statements that serve as captions for the entire table do not need footnote letters.

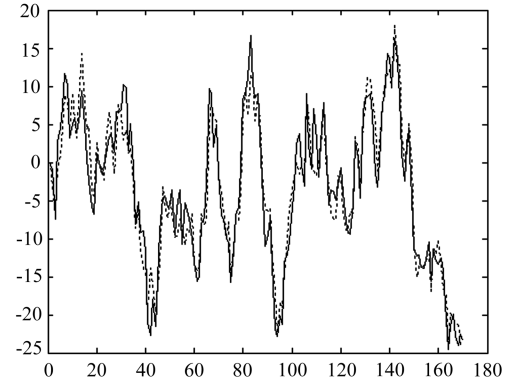
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Figure axis labels are often a source of confusion. Use words rather than symbols. As an example, write the quantity “Magnetization”, or “Magnetization M ”, not just “ M ”.



(a) Scale 1



(b) Scale 2

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

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

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

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

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⁻¹),” 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 (10³ 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.

3 Publication principles

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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

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