

Journal of Computer Science and Technology: Instruction for Authors

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1. Introduction/*Times New Roman 12pt, Bold*/

Journal of Computer Science and Technology (JCST) is an international forum for scientists and engineers involved in all aspects of computer science and technology to publish high quality, refereed papers. It is sponsored by Institute of Computing Technology (ICT), Chinese Academy of Sciences (CAS), and China Computer Federation (CCF). The journal is jointly published by Science Press of China and Springer on a bimonthly basis in English. /*Times New Roman 12pt */

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from experts in the field, promoting insight and understanding of the state of the art, and trends in technology. The contents include original research and innovative applications from all parts of the world. Manuscripts are accepted for review on the understanding that they have not been published, nor are presently submitted for publication in any other journals. Enhanced versions of papers previously published in conference proceedings may be considered provided it is notified when the paper is submitted and the submission to JCST includes enough (more than 30%) new kernel contribution (not new material).

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At times, it may be necessary for authors to include another author's material or to reuse portions of their own previously published work.

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All tables are numbered using Arabic numerals in the order they are referred to in the text.

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Table 1. /*Times New Roman 10pt, Bold*/ Caption of the Table Briefly Explaining the Content of the Table/*Times New Roman 10pt */

Symbol	Quantity	Conversion from Gaussian and CGS EMU to SI ^a
Φ	magnetic flux	1 Mx \rightarrow 10^{-8} Wb = 10^{-8} V·s
B	magnetic flux density, magnetic induction	1 G \rightarrow 10^{-4} T = 10^{-4} Wb/m ²
H	magnetic field strength	1 Oe \rightarrow $10^3/(4\pi)$ A/m
m	magnetic moment	1 erg/G = 1 emu \rightarrow 10^{-3} A·m ² = 10^{-3} J/T
M	magnetization	1 erg/(G·cm ³) = 1 emu/cm ³ \rightarrow 10^3 A/m
$4\pi M$	magnetization	1 G \rightarrow $10^3/(4\pi)$ A/m
σ	specific magnetization	1 erg/(G·g) = 1 emu/g \rightarrow 1 A·m ² /kg
j	magnetic dipole moment	1 erg/G = 1 emu \rightarrow $4\pi \times 10^{-10}$ Wb·m
J	magnetic polarization	1 erg/(G·cm ³) = 1 emu/cm ³ \rightarrow $4\pi \times 10^{-4}$ T
χ, κ	susceptibility	1 \rightarrow 4π
χ_o	mass susceptibility	1 cm ³ /g \rightarrow $4\pi \times 10^{-3}$ m ³ /kg
μ	permeability	1 \rightarrow $4\pi \times 10^{-7}$ H/m = $4\pi \times 10^{-7}$ Wb/(A·m)
μ_r	relative permeability	$\mu \rightarrow \mu_r$
w, W	energy density	1 erg/cm ³ \rightarrow 10^{-1} J/m ³
N, D	demagnetizing factor	1 \rightarrow $1/(4\pi)$

Note: You may explain the meaning of some special format, e.g., in bold, and/or give the full names of the abbreviations used in the table whose full names have not presented in the text.

2.4 Definitions and Theorems

Definition 1 /*Times New Roman 12pt, Bold*/ (Name of the Definition). /*Times New Roman 12pt*/. All definitions are numbered using Arabic numerals in the order they are presented in the text. /*Times New Roman 12pt Italic */

Theorem 1. /*Times New Roman 12pt, Bold*/ All theorems are numbered using Arabic numerals in the order they are presented in the text. /*Times New Roman 12pt Italic */

Proof. /*Times New Roman 12pt Italic */End
of a proof should be marked by a □/*Times New Roman 12pt */. □

2.5 Artwork and Illustrations Guidelines

2.5.1 Electronic Figure Submission

- Supply all figures electronically.
- For vector graphics, the preferred format is EPS; for halftones, please use TIFF format. MSOffice files are also acceptable.
- Vector graphics containing fonts must have the fonts embedded in the files.
- Name your figure files with "Fig" and the figure number, e.g., Fig1.eps.

2.5.2 Line Art

Definition 2 (Line Art). *Lines are black and white graphic with no shading.*

Do not use faint lines and/or lettering and check that all lines and lettering within the figures are legible at final size. All lines should be at least 0.1 mm (0.3 pt) wide. Scanned line drawings and line drawings in bitmap format should have a minimum resolution of 1200 dpi. Vector graphics containing fonts must have the fonts embedded in the files.

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Definition 3 (Halftone Art). *Halftones include photographs, drawings, or paintings with fine shading, etc.*

If any magnification is used in the photographs, indicate this by using scale bars within the figures themselves. Halftones should have a minimum resolution of 300 dpi.

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Definition 4 (Combination Art). *Combination art is combination of halftone and line art, e.g., halftones containing line drawing, extensive lettering, color diagrams, etc. Combination artwork should have a minimum resolution of 600 dpi.*

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If black and white will be shown in the print version, make sure that the main information will still be visible. Many colors are not distinguishable from one another when converted to black and white. A simple way to check this is to make a xerographic copy to see if the necessary distinctions between the different colors are still apparent. If the figures will be printed in black and white, do not refer to color in the captions and the text.

Color illustrations should be submitted as RGB (8 bits per channel).

2.5.6 Figure Lettering

To add lettering, it is best to use Helvetica or Arial (sans serif fonts). Keep lettering consistently sized throughout your final-sized artwork, usually about 2~3 mm (8~12 pt).

Variance of type size within an illustration should be minimal, e.g., do not use 8-pt type on an axis and 20-pt type for the axis label.

Avoid effects such as shading, outline letters, etc. Do not include titles or captions within your illustrations.

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All figures are to be numbered using Arabic numerals in the order they are referred to in the text. Figures should always be cited in text in consecutive numerical order.

Figure parts should be denoted by lowercase

letters: (a), (b), (c), etc.

If an appendix appears in your article and it contains one or more figures, number the appendix figures: A1, A2, A3, etc.

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Each figure should have a concise caption describing accurately what the figure depicts. Include the captions in the text file of the manuscript, not in the figure file.

Figure captions begin with the term Fig. in bold type, followed by the figure number, also in bold type. No punctuation is to be included after the number, nor is any punctuation to be placed at the end of the caption.

Identify all elements found in the figure in the figure caption; and use boxes, circles, etc., as coordinate points in graphs.

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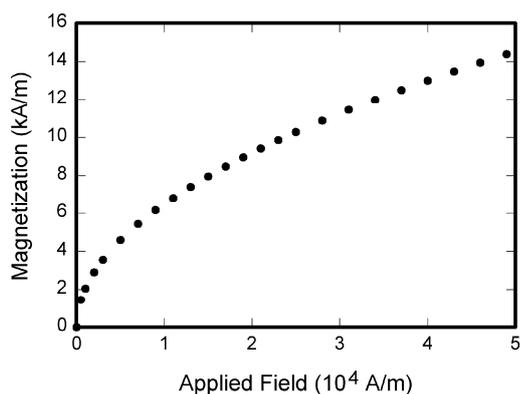


Fig.1. Caption of this figure. /*Times New Roman 10pt */

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References/*Times New Roman 12pt, Bold*/[The references should be listed at the end of the manuscript and numbered in the order they are referred to in the text.]

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