

Style for IFAC Conferences & Symposia: Use Title Case for Paper Title^{*}

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Abstract: These instructions give you guidelines for preparing papers for IFAC conferences. Use this document as a template to compose your paper if you are using Microsoft Word 6.0 or later. Otherwise, use this document as an instruction set. Please use this document as a template to prepare your manuscript. For submission guidelines, follow instructions on paper submission system as well as the Conference website. There is a very small blank line immediately above the abstract, do not delete it; it sets the footnote at the bottom of this column.

1. INTRODUCTION

This document is a template for Microsoft Word versions 6.0 or later. If you are reading a paper version of this document, please download the electronic file, ifacconf.doc. If your paper is intended for a conference, please contact your conference editor concerning acceptable word processor for-mats for your particular conference. **Please do not put any running header/footer or Page number in the submitted paper.**

You can type over sections of ifacconf.doc or cut and paste from another document and then use markup styles. The pull-down style menu is at the left of the Formatting Toolbar at the top of your Word window (for example, the style at this point in the document is Text). Highlight a section that you want to designate with a certain style, then select the appropriate name on the style menu. The style will adjust your fonts and line spacing. **Do not change the font sizes or line spacing to squeeze more text into a limited number of pages. Use italics for emphasis; do not underline.**

1.1 A subsection

Bifurcation: Plot of local maxima of x with damping a decreasing (Fig. 1).

To insert images in Word, position the cursor at the insertion point and either use Insert — Picture — From File or copy the image to the Windows clipboard and then Edit — Paste Special — Picture (with Float over text unchecked).

IFAC will not do any final formatting of your paper. Your manuscript should be camera-ready. Page limits vary from

^{*} This work was supported in part by the National Technological Agency. (sponsor and financial support acknowledgment goes here). Paper titles should be written in uppercase and lowercase letters, not all uppercase.

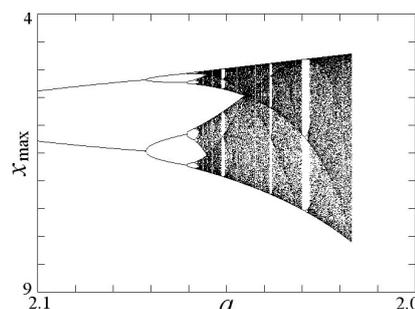


Fig. 1. Bifurcation: Plot of local maxima of x with damping a decreasing

conference to conference. Please observe the conference page limits of the conference for which your paper is intended. **Please do not modify margins. If you are creating a document on your own, please observe the margins as listed in Table 1.**

2. PROCEDURE FOR PAPER SUBMISSION

Next we see a few subsections.

2.1 Review Stage

Please use this document as a template to prepare your manuscript. For submission guidelines, follow instructions on paper submission system as well as the Conference website.

Note that conferences impose strict page limits, so it will be better for you to prepare your initial submission in the camera ready layout so that you will have a good estimate for the paper length. Additionally, the effort required for final submission will be minimal.

Some words might be appropriate describing equation (1), if we had but time and space enough.

$$\frac{\partial F}{\partial t} = D \frac{\partial^2 F}{\partial x^2}. \quad (1)$$

See Able [1956], Able et al. [1954], Keohane [1958] and Powers [1985].

A subsection This equation goes far beyond the celebrated theorem ascribed to the great Pythagoras by his followers.

Theorem 1. The square of the length of the hypotenuse of a right triangle equals the sum of the squares of the lengths of the other two sides.

Proof. The square of the length of the hypotenuse of a right triangle equals the sum of the squares of the lengths of the other two sides.

2.2 Final Stage

Authors are expected to mind the margins diligently. Conference papers need to be stamped with conference data and paginated for inclusion in the proceedings. If your manuscript bleeds into margins, you will be required to resubmit and delay the proceedings preparation in the process.

2.3 Page margins

All dimensions are in *centimeters*.

Margin settings			
Page	Top	Bottom	Left/Right
First	3.5	2.5	1.5
Rest	2.5	2.5	1.5

It is very important to maintain these margins. They are necessary to put conference information and page number for the proceedings.

2.4 Figures and PDF Creation

All figures must be embedded in the document. When you include the image, make sure to insert the actual image rather than a link to your local computer.. As far as possible, use standard PDF conversion tools Adobe Acrobat or Ghostscript give best results. **It is important that all fonts be embedded/subsetted in the resulting PDF.**

2.5 Copyright Form

IFAC will put in place an electronic copyright transfer system in due course. Please do not send copyright forms by mail or FAX. More information on this will be made available on IFAC website.

3. MATH

If you are using Word, use either the Microsoft Equation Editor or the MathType add-on for equations in your paper (Insert — Object — Create New — Microsoft Equation or MathType Equation). Float over text should not be selected. Of course LaTeX manages equations through built-in macros.

4. UNITS

Use either SI as primary units. Other units may be used as secondary units (in parentheses). This applies to papers in data storage. For example, write $15\text{Gb}/\text{cm}^2$ ($100\text{Gb}/\text{in}^2$). An exception is when English units are used as identifiers in trade, such as 3.5 in disk drive. Avoid combining SI and CGS units, such as current in amperes and magnetic field in oersteds. This often leads to confusion because equations do not balance dimensionally. If you must use mixed units, clearly state the units for each quantity in an equation. The SI unit for magnetic field strength H is A/m. However, if you wish to use units of T , either refer to magnetic flux density B or magnetic field strength symbolized as $\mu_0 H$. Use the center dot to separate compound units, e.g., $A \cdot m^2$.

5. HELPFUL HINTS

5.1 Figures and Tables

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 (A/m) or Magnetization (A m⁻¹), not just A/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) ? 1000 because the reader would not know whether the top axis label in Fig. 1 meant 16000 A/m or 0.016 A/m. Figure labels should be legible, approximately 8 to 12 point type.

5.2 References

Use Harvard style references (see at the end of this document). If you are using LaTeX, you can process an external bibliography database or insert it directly into the reference section. Footnotes should be avoided as far as possible. Please note that the references at the end of this document are in the preferred referencing style. Papers that have not been published should be cited as unpublished. Capitalize only the first word in a paper title, except for proper nouns and element symbols.

5.3 Abbreviations and Acronyms

Define abbreviations and acronyms the first time they are used in the text, even after they have already been defined in the abstract. Abbreviations such as IFAC, SI, ac, and dc do not have to be defined. Abbreviations that incorporate periods should not have spaces: write C.N.R.S., not C. N. R. S. Do not use abbreviations in the title unless they are unavoidable (for example, IFAC in the title of this article).

5.4 Equations

Number equations consecutively with equation numbers in parentheses flush with the right margin, as in (1). First use

the equation editor to create the equation. Then select the Equation markup style. Press the tab key and write the equation number in parentheses. To make your equations more compact, you may use the solidus (/), the exp function, or appropriate exponents. Use parentheses to avoid ambiguities in denominators. Punctuate equations when they are part of a sentence, as in

$$\int_0^{r_2} F(r, \varphi) dr d\varphi = [\sigma r_2 / (2\mu_0)] \cdot \int_0^{\infty} \exp(-\lambda|z_j - z_i|) \lambda^{-1} J_1(\lambda r_2) J_0(\lambda r_i) d\lambda \quad (2)$$

Be sure that the symbols in your equation have been defined before the equation appears or immediately following. Italicize symbols (T might refer to temperature, but T is the unit tesla). Refer to (1), not Eq. (1) or equation (1), except at the beginning of a sentence: Equation (1) is ...

5.5 Other Recommendations

Use one space after periods and colons. Hyphenate complex modifiers: zero-field-cooled magnetization. Avoid dangling participles, such as, Using (1), the potential was calculated. [It is not clear who or what used (1).] Write instead, The potential was calculated by using (1), or Using (1), we calculated the potential.

A parenthetical statement at the end of a sentence is punctuated outside of the closing parenthesis (like this). (A parenthetical sentence is punctuated within the parentheses.) Avoid contractions; for example, write do not instead of dont. The serial comma is preferred: A, B, and C instead of A, B and C.

6. CONCLUSION

A conclusion section is not required. Although a conclusion may review the main points of the paper, do not replicate the abstract as the conclusion. A conclusion might elaborate on the importance of the work or suggest applications and extensions.

ACKNOWLEDGEMENTS

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Appendix A. A SUMMARY OF LATIN GRAMMAR

Appendix B. SOME LATIN VOCABULARY