

Preparation of Papers for IFAC Conferences & Symposia: Use Title Case for Paper Title

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Keywords: Include a list of 5-10 keywords, preferably taken from the IFAC keyword list.

1. INTRODUCTION

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2. MATERIALS AND METHODS

Submission: Please use this document as a "template" to prepare your extended abstract. For submission, please follow instructions on the web site of IFAC BioRobotics Conference 2013 (<http://ifac2013.shita.jp>).

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Page margins: All dimensions are in centimeters.

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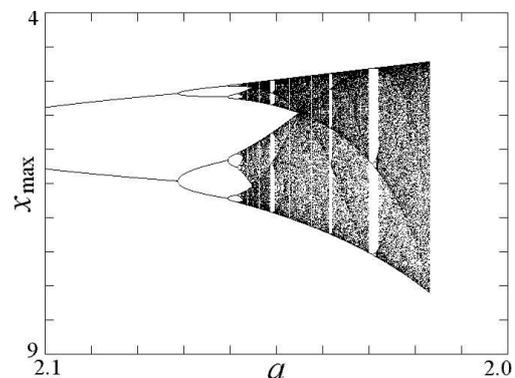


Fig. 1. Bifurcation: Plot of local maxima of x with damping a decreasing.

3. RESULTS AND DISCUSSION

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.

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 Gb/cm² (100 Gb/in²).” 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·m².”

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.

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” mark-up 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

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

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 ...”

4. CONCLUDING REMARKS

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REFERENCES

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- Brown, F., Harris, M.G., and Other, A.N. (1998). Name of paper. In Name(s) of editor(s) (ed.), Name of book in italics, page numbers. Publisher, Place of publication.
- Smith, S.E. (2004). Name of book in italics, page or chapter numbers if relevant. Publisher, Place of publication.
- Smith, S.E. and Jones, L.Q. (2008). Name of paper. Name of journal in italics, volume (number), page numbers.