

Example Article for the Proceedings of 5th International Workshop “Group Analysis of Differential Equations and Integrability”

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This is an example article for the Proceedings of 5th International Workshop
“Group Analysis of Differential Equations and Integrability”.

1 Introduction

The Organizational Committee plans to publish proceedings 3–4 months after the deadline for submitting of papers. However, implementation of this plan is possible only on condition if authors take responsibility for preparation of their papers for publishing. Authors’ compliance with requirements for preparation of papers to publishing would not only speed up the publishing but also allow to avoid typing errors that usually arise in the process of significant changing of files. The Editorial Board encourages submitting of the papers during the conference or immediately after it is finished as work with the submitted materials is planned to start immediately after the conference.

All papers should be written in good English and should be no longer than 20 pages. The deadline for submission is **August 31, 2010**. The authors are requested to submit:

- file of the paper in the $\text{\LaTeX}2\epsilon$ format (by e-mail `symmetry@ucy.ac.cy`);
- `pdf` or `ps` file of your paper (by e-mail);
- files for pictures (if the paper contains them) in the `eps` or `bmp` formats (by e-mail).

The files of the papers shall be prepared in the $\text{\LaTeX}2\epsilon$ format (this is mandatory), using the style file `symmetry10.cls`, according to the requirements listed below. The style file `symmetry10.cls` was created on the basis of the standard style article. The font size is 11pt. The following style packages are used: `amsthm`, `amsmath`, `latexsym`, `amssymb`, `epsfig`, `graphics`. Amendments of the style file are not allowed.

You can use other style packages but we request to agree upon this with us in advance.

Abbreviations for standard L^AT_EX commands are not allowed in the paper!

All papers will be reviewed. In the case of the negative review the paper will be returned to the author for revision. A paper will be also returned to the author for revision in the case of poor English.

Please address requests for additional information to `symmetry@ucy.ac.cy`.

After preparation of the paper for publishing we will send the author who presented the paper for publication the pdf or ps file of the paper for final checking that should be completed in a week.

2 Displayed mathematics

The equations presented in separate lines are to be given by means of separators `equation` or their versions for numbered equations and `displaymath` of their versions for non-numbered equations. It is not allowed to use `$$... $$` as separators as they do not provide left-side justification adopted in Proceedings. Only equations referred in the paper should be numbered. Equations should be numbered through all the paper (not by sections). All references to equations are to be organized by means of the labels of the form `\label{YourLastName:Equation1}` (e.g. `\label{Tomson:EquationLabel}`):

$$(a + b)^2 = a^2 + 2ab + b^2. \tag{1}$$

The equation (1) is an example of numbered equation, and the following gives an example of a non-numbered equation

$$a^2 - b^2 = (a - b)(a + b).$$

Equations set in multiple rows, as e.g. equations (2), (3) are to be typeset using separators `gather`, `gather*`, `split`, `aligned` and similar to them

$$\begin{aligned} (a + b) (a^2 - ab + b^2) \\ = a^3 + b^3, \end{aligned} \tag{2}$$

$$(a - b) (a^2 + ab + b^2) = a^3 - b^3. \tag{3}$$

3 Theorem like environments

Environments for theorems, lemmas, corollaries, propositions, definitions, examples, remarks and the like are defined in the `symmetry10.cls`.

Theorem 1. *This is an example of theorem.*

Proof. The text of a proof of the Theorem 1. ■

Lemma 1. *This is an example of lemma.*

Corollary 1. *This is an example of corollary.*

Proposition 1. *This is an example of proposition.*

Definition 1. This is an example of definition.

Example 1. This is an example.

Remark 1. This is an example of remark.

Note 1. This is an example of note.

4 About figures

If a paper contains pictures, then it is necessary to submit together with the paper text the relevant files in the formats `eps` (for vector graphic objects) or `bmp` (for bitmap graphic objects), containing high quality images. Font size of legends at the pictures should not exceed `10pt`. Please use the packages `graphics` or `epsfig` for incorporation of pictures. In the case of any difficulties with respect to fulfillment of this requirement please notify the Editorial Board.

5 About references

The references should be presented according to the examples given [1–3]. Note that the full name of the reference cited should be given together with complete publishing data. The order of references should be determined by the citing order in the text of the paper (or in the alphabetical order). Every reference given in the bibliography should be cited in the text. All citations of the references are to be organised by means of the labels of the form `\bibitem{YourLastName:CitationLabel}` (e.g. `\bibitem{Tomson:Olver1986}`).

Acknowledgements

The text of acknowledgements should be typed at the end of the paper, before references.

- [1] Olver P., *Applications of Lie Groups to Differential Equations*, Springer-Verlag, New York, 1986.
- [2] Nikitin A.G., Group classification of systems of non-linear reaction-diffusion equations with general diffusion matrix. I. Generalized Ginzburg-Landau equations *J. Math. Anal. Appl.*, 2006, V.324, 615–628.
- [3] Ivanova N.M., Popovych R.O. and Sophocleous C., Conservation laws of variable coefficient diffusion–convection equations, 2005, *Proceedings of Tenth International Conference in Modern Group Analysis (Larnaca, Cyprus, 2004)*, 107–113.