

Example Article for SIGMA

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Received ???, in final form ???; Published online ???

doi:10.3842/SIGMA.201*.***

Abstract. This is an example article for the refereed online open access journal “Symmetry, Integrability and Geometry: Methods and Applications”.

Key words: ?????; ?????

2010 Mathematics Subject Classification: ??????

1 Introduction

Symmetry, Integrability and Geometry: Methods and Applications (SIGMA)¹ is refereed online open access journal for speedy publication in the following areas:

- geometrical methods in mathematical physics;
- Lie theory and differential equations;
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- exactly and quasi-exactly solvable models;
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$$(a + b)^2 = a^2 + 2ab + b^2. \tag{1}$$

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 **sigma.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.*

Proof. Example of particular case proof ends with an equation:

$$a \implies b, \quad b \implies c.$$

■

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.

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A First appendix

We kindly ask the authors to give all technical details of paper in form of Appendixes.

Acknowledgements

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

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