

An article for 8ECM

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Abstract

An abstract.

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1 Introduction

The present format is not the exact final format of the proceedings articles, but should approximate its style and page length.

Put all acknowledgments (including those concerning grants) just before the references.

1.1 Theorems etc.

The statements of theorems, lemmas etc. are set in italics, but you can use `\emph{ }` to emphasize text therein. In definitions, only the term being defined is italicized. Remarks and examples are set in roman type.

Definition 1.1. A system S is said to be *self-extensional* if $S \in B$.

Theorem 1.2 (Maximum Principle; see also [4, Theorem 5]). *If (. . .), then the following conditions are equivalent:*

1. *first item,*

2. *second item.*

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Proof. Observe that

$$\begin{aligned} AAAAAAAAAA &= BBBBBBBBBBB \\ &+ CCCCCCCCC \\ &= DDDDDDDDDDDDD. \end{aligned} \tag{1.1}$$

Now apply induction on n to (1.1) and use Definition 1.1. □

If you want to put the end-of-proof sign after a (non-numbered) formula, use `\qedhere`:

Proof. This follows from

$$\begin{aligned} BBBBBBBBBBBBBBB &= CCCCCCCCCCCCC, \\ DDDDDDD - EEEEEEEEE &= 0. \end{aligned} \quad \square$$

Problem 1.3. *Is AAAA true?*

Remark. Remarks are unnumbered.

Main Theorem 1.4. *Here comes the statement of a numbered theorem with a fancy name.*

1.2 Figures

Figures must be prepared and included as EPS or PDF files. All figures will be printed black and white; the colors will only appear in the online version.

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References

- [1] M. T. Barlow, Diffusions on fractals. In *Lectures on Probability Theory and Statistics* (Saint-Flour, 1995), Lecture Notes in Math. 1690, Springer, Berlin, 1–121 (1998).
- [2] G. Grätzer, *More Math into L^AT_EX*. 4th ed., Springer, Berlin (2007).
- [3] M. Sato, M. Kashiwara, M. Kawai, Linear differential equations of infinite order and theta functions. *Adv. Math.* **47**, 300–325 (1983).
- [4] E. V. Shchepin, On mappings of the two-dimensional sphere. *Uspekhi Mat. Nauk* **58**, no. 2, 169–170 (2003) (in Russian); English transl. *Russian Math. Surveys* **58**, 1218–1219 (2003).
- [5] J. Smith, A new upper bound on the cross number. arXiv:2056.7895.
- [6] M. Verkaar, *Continuous local martingales and stochastic integration in Banach spaces*. Ph.D. thesis, University of Helsinki (2001).