

# A template for submissions to JEMS

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## Abstract

A template for submissions to JEMS. For the subject classification, use the 2010 Mathematics Subject Classification available at [www.ams.org/msc](http://www.ams.org/msc).

**Keywords.** Aaaa, bbbb, cccc

## 1 Introduction

You can use this file as a template when submitting your paper to JEMS.

The format of the file is **not** the exact final printed format (the latter is scaled down), but it is convenient for editing purposes.

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

### 1.1 Theorems etc.

The statements of theorems, lemmas etc. are set in italics. 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 [Sh, Theorem 5]). *If  $(\dots)$ , then the following conditions are equivalent:*

(i) *first item,*

(ii) *second item.*

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*Proof.* Observe that

$$\begin{aligned} AAAAAAAAAA &= BBBBBBBBBBBB \\ &\quad + CCCCCCCCCC \\ &= DDDDDDDDDDDDD. \end{aligned} \tag{1.1}$$

Now apply induction on  $n$  to (1.1). □

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

*Proof.* This follows from

$$\begin{aligned} BBBBBBBBBBBBBBBBBB &= CCCCCCCCCCCCCC, \\ DDDDDDD - EEEEEEEEE &= 0. \end{aligned} \tag{1.2} \quad \square$$

**Problem 1.3.** *Is AAAA true?*

**Remark.** An unnumbered remark.

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

## 1.2 Figures

Figures must be prepared as eps or pdf files. All figures will be printed black and white; the colours will only appear in the online version.

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