

# A Sample Paper for PRIMS

To Professor XXX on the occasion of YYY

by

Firstname1 SURNAME1, Firstname2 SURNAME2 and Firstname3 SURNAME3

## Abstract

This is a sample paper for PRIMS. For the subject classification, use the 2010 Mathematics Subject Classification available at [www.ams.org/msc](http://www.ams.org/msc).

*2010 Mathematics Subject Classification:* Primary XXXX; Secondary YYYY.

*Keywords:* aaaa, bbbb, cccc.

## §1. Introduction

Note that equation numbers are placed on the left. The examples below are included to illustrate some L<sup>A</sup>T<sub>E</sub>X constructions.

### §1.1. Theorems etc.

**Theorem 1.1** (Maximum Principle, see also [Sh, Theorem 5]). *If (...), then the following conditions are equivalent:*

- (i) *first item,*
- (ii) *second item.*

*Proof.* Observe that

$$(1.1) \quad \begin{aligned} AAAAAAAAAA &= BBBBBBBBBBBB \\ &\quad + CCCCCCCCCC \\ &= DDDDDDDDDDDDDDD. \end{aligned}$$

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F1. Surname1: address1;  
e-mail: xx  
F2. Surname2: address2;  
e-mail: yy  
F3. Surname3: address3;  
e-mail: zz

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

**Definition 1.2.** A system  $S$  is said to be *admissible* if  $S \in B$ .

**Remark.** An unnumbered remark.

**Main Theorem 1.3.** *Here comes the statement of a numbered theorem with a fancy name.*

**1.1.1. Subsubsection.** This paragraph is only included to show the appearance of a subsubsection.

### Acknowledgements

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