

# L<sup>A</sup>T<sub>E</sub>X style file “hmjart” User’s Guide

This document explains how to use “hmjart.cls” for the authors.

The purpose of “hmjart.cls” is to create a T<sub>E</sub>X dvi file which fits to the style of “Hiroshima Mathematical Journal”.

## specify hmjart.cls

To use “hmjart.cls”, specify it in “documentclass” of L<sup>A</sup>T<sub>E</sub>X2<sub>ε</sub>.

```
\documentclass{hmjart}
```

## commands

The commands below are used to L<sup>A</sup>T<sub>E</sub>X each paper.

After using `\title`, use a tuple of `\author`, `\address`, `\curraddr`, `\email`, `\urladdr` for each of author, and then use `\maketitle`.

`\hmjlogo` Print “HIROSHIMA MATH. J.” at the top left of the first page. Because this is an editor command, please put this command without any arguments, like `\hmjlogo{}{}{}{}`

`\title` Specify short and long titles of your paper. Short title is optional, used at the header of each page.

```
\title[short title]{long title}
```

`\thanks` Add foot note to the title.

```
\thanks{foot note of the title}
```

`\date` Print (received Xxx 00, 0000) under the author’s name. This will be handled later by the editor.

`\grants` Describe the grants information. In current version of hmjart.cls, we can’t set this command each author. If necessary, write “The first author is supported by .... The second author is ....”

`\subjclass` Specify classification. The Default is 2000. See ‘AMS 2000 Mathematics Subject Classification’ ([http://www.ams.org/msc/.](http://www.ams.org/msc/))

`\author` Specify author’s name. Short author name is optional.

```
\author[short author name]{long author name}
```

`\address` The address is printed at the last page of the paper. Use `\\` to break line.

`\curraddr` Specify current address.

`\email` Specify e-mail address.

`\urladdr` Specify your web page address.

`\qed` `\qed` command is provided to mark end of proof. Authors don't have to use this command. But Q.E.D or other user defined mark is not recommended.

### **environment**

**assumption, corollary, definition, lemma, proof, proposition, remark** and **theorem** environments are defined.

Please use these environments for definition etc.