MathematicS

In Action

Yvon Maday & Denis J. Talay

How to use the *MathematicS in Actions* class file A sample LaTeX source file
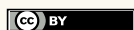
How to use the *MathematicS in Actions* class file
A sample LaTeX source file

Yvon Maday *
Denis J. Talay **

* Laboratoire Jacques-Louis Lions Universitéerre et Marie Curie Boit courrier 187 75252
Paris Cedex 05 France
E-mail address: maday@ann.jussieu.fr
** Inria Sophia Antipolis 2004 route des Lucioles, BP 93, F-06902 Sophia Antipolis France
E-mail address: denis.talay@inria.fr.

Abstract

This document is a short user's guide to the LaTeXclass for articles in *MathematicS in Actions*.

1. Introduction, meta-data commands

This is the beginning of our article.

1.1. Title

The command for the title is: `\title`.

1.2. Citations

The bibliography must be build using bibtex. A sample of a bibtex file `biblio.bib` is available together with this sample document.

The references must be put inside a bibtex file constructed from this sample and refered to in the article by using the `\cite` command, which produces for example [2] or [3] (see also the comments in `biblio.bib`).

2. Figures

The article being compiled in pdf, the figures must also be in pdf. The inclusion of the figure is done using the following commands.

The parameter *xxx*, a real number between 0.0 and 1.0, indicates the width the figure should take in the page.

Figure 2.1 is an example of figure.

Here is an example:

Theorem 2.1. *Most theorems are true.*

Proof. Th. 2.1 is obviously true. □

Example 2.2. This should look like a good example.

Remark 2.3. Can an example like Ex. 2.2 give some insight in Th. 2.1's proof?
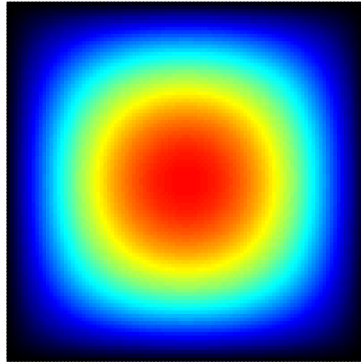
YVON MADAY & DENIS J. TALAY

FIGURE 2.1. Example of figure.

References

[1] C. King and C.-L. Terng. Submanifolds in path space. In K. Uhlenbeck, editor, *Global Analysis in Modern Mathematics*, pages 253–282. Publish or Perish, Inc., Houston, 1993.

[2] Donald E. Knuth. *The T$_E$Xbook*. Addison Wesley Professional, Massachusetts, 1984.

[3] J. Leray and J-L. Lions. Quelques résultats de Višik sur les problèmes elliptiques nonlinéaires par les méthodes de Minty-Browder. *Bull. Soc. Math. France*, 93:97–107, 1965. `http://www.numdam.org/numdam-bin/item?id=BSMF_1965__93__97_0`.

[4] Yvon Maday and Denis J. Talay. How to use the *mathematics in actions* class file. `http://msia.cedram.org/telechargeable/cedram-msia.pdf`, 2008.

[5] M. Vajiac. *Gauge theory techniques in quantum cohomology*. PhD thesis, Boston University, 2000.