

Sample article

Name of the first author, Name of the second author

Abstract. Insert here an abstract of your article.

1. THEOREMS, ETC

Here are the names of (almost all) predefined theorem-like environments.

Theorem 1.1. *This is the main theorem (taken from [7]).*

Proof. This is an example of Proof environment. □

$$x^2 + y^2 = z^2 \tag{1.1}$$

Lemma 1.2. *This is a new lemma.*

Definition 1.3. This is a new definition.

$$E = mc^2 \tag{1.2}$$

Example 1.4. This is a new example.

Problem 1.5. This is a new problem, see [6].

Keywords: keyword-1, keyword-2

2. PRELIMINARIES

Conjecture 2.1. *This is a new conjecture.*

$$\sum_{i=1}^{\infty} \frac{1}{2^i} = 1 \quad (2.1)$$

Assumption 2.2. This is a new assumption.

Corollary 2.3. *This is a new corollary.*

Proposition 2.4. *This is a new proposition.*

This is a new floating environment: figure.

FIGURE 2.1. A figure

Remark 2.5. This is a new remark.

This is a new floating environment: table.

TABLE 2.1. A table

3. HOW TO HANDLE BIBLIOGRAPHY

The bibliography should be gathered in a separate file (in this example it is *biblio.bib*) in the BibTeX format, see [2, 4, 1].

The useful instrument to help in producing BibTeX files is JabRef, see [3, 5]. In fact *biblio.bib* file is generated by JabRef and can be opened and edited in this program.

REFERENCES

- [1] https://en.wikibooks.org/wiki/latex/bibliography_management.
- [2] <https://en.wikipedia.org/wiki/bibtex>.
- [3] <https://en.wikipedia.org/wiki/jabref>.
- [4] <http://www.bibtex.org/using/>.
- [5] <http://www.jabref.org/>.
- [6] Victor Maslov. On a new superposition principle for optimization problems. *Russian Mathematical Surveys*, 42(3):43–54, 1987.
- [7] William S Massey. *Homology and Cohomology Theory*, volume 46 of *Pure and applied mathematics*. New York & Basel : Dekker, 1978.

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