

A LATEX EXAMPLE

name

address

ABSTRACT

This paper gives some examples for every used package and some other stuffs.

Index Terms— Latex, package, example

1. INTRODUCTION

Used packages including amsmath, amssymb, amsfonts, mathrsfs, bbm, amsthm, appendix, listings, graphicx, hyperref...

2. STYLE AND REFERENCE

There is no need for confusing with styles. You can replace them when needed. For example, use styles of the journal or conference that you will post on.

2.1. Style

The style of this paper and reference are given by .sty and .bst respectively. And you can find almost any style in [sharelatex](#).

2.2. Reference

All reference's bibtex info should be stored in .bib file. Cite a reference by [1].

You can find bibtex in [Google Scholar](#). Just click the cite button and find the bibtex on the left-below.

3. EXAMPLES

Examples

3.1. Theorems

We can add lemma, corollary, proposition similarly.

Theorem 1. *This is a theorem!*

Proof. This is a proof of the theorem. □

3.2. Math packages

Math formulation is supported by amsmath, amssymb, amsfonts, mathrsfs, bbm, amsthm. You can find more math commands in [Mathjax](#). This is a math formulation

$$F(f)(\xi) = \int_{\mathbf{R}^n} f(x) e^{-ix\xi} dx, \quad \xi \in \mathbf{R}^n. \quad (1)$$

This is a matrix

$$\begin{pmatrix} 1 & 2 & 3 \\ 2 & 4 & 6 \end{pmatrix}.$$

Thanks

3.3. Listings

Package Listings adds code block into paper. This is a code block with a frame.

```
code line 1
code line 2
```

3.4. Hyperref

This package can add hyperlinks for any reference in paper or any citation. And then you can click any ref to navigate. Such as Theorem 1 we labeled before and [1]. We can refer any label we defined, equations, reference...

3.5. Graphicx

Package graphicx can add images as Figure 1



Fig. 1. Example image

Or you can align images in a row like Figure 2.
Also you can align images in a matrix like Figure 3.

4. CONCLUSION

This is a conclusion.

References

[1] name, “An example reference,” *Example journal*, 2019.

This is an eps image

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(a)

(b)

(c)

Fig. 2. Example of images in a row.

Appendices

A. APPENDIX 1

This is a appendix

This is an eps image

This is an eps image

(a)

(b)

This is an eps image

This is an eps image

(c)

(d)

Fig. 3. Example of images in matrix.