TITLE OF OUR PAPER

FIRST LAST AND MARKO BUDIŠIĆ

Abstract. Great stuff.

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1. Introduction

2. Problem description

3. Main technique

4. Results

Figure 1 was made purely in LATEX.

5. Discussion and Conclusions

Example of a cited paper [1].

References

[1] Micah John Muller Hill, On a spherical vortex, Philosophical Transactions of the Royal Society of Science (1894).

APPENDIX A. HOW TO USE LATEX?

Example of notes. Some math $\int_0^T x(t)dt$. If you'd like to put an equation in its own line, this is how you do it:

(1)
$$x(t) = x_0 + \int_0^T f(x(\tau))d\tau$$

You can also refer to an equation that you made, if you gave it a label, just like this (1).

 $^{{}^{1}} For \ more \ such \ plots \ see \ http://pgfplots.sourceforge.net/gallery.html$

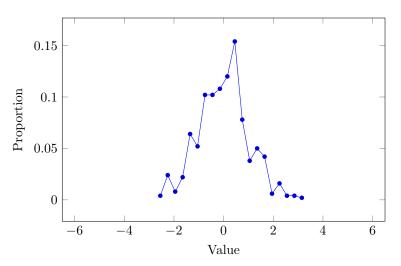


FIGURE 1. Graph made directly in LaTeX.



FIGURE 2. This is a graph.

If you want to include an image, this is how you do it. And you can also refer to the Figure 2.

All the help you need is found here: $\t ttps://en.wikibooks.org/wiki/LaTeX.$

You can create a bulleted list

- \bullet First
- Second
- Third

You can also enumerate

- (1) First
- (2) Second
- (3) Third

If you want a tighter itemization, use compactitem and compactenum

- First
- Second
- Third
- (1) First
- (2) Second
- (3) Third

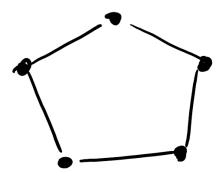


Figure 3. Image

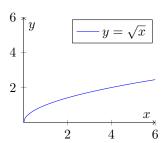
Most people get matrices wrong (overly complicated) in LaTeX. This is the right way:

$$\begin{bmatrix} 1 & 2 \\ * & 3 \end{bmatrix}$$

More details are here: https://en.wikibooks.org/wiki/LaTeX/Mathematics#Matrices_and_arrays.

This is how you include some code²:

LaTeX (with help of pgfplot) can also create graphs of functions.



Some important formatting tips:

- Please make sure to use operator notation (with backslashes) when appropriate.³
- There's a lot of bad advice on how to write matrices. Here's the correct way: https://en.wikibooks.org/wiki/LaTeX/Mathematics#Matrices_and_arrays

 $^{^2} For more see https://www.overleaf.com/learn/latex/Code_listing#Using_listings_to_highlight_code.$

³ https://en.wikibooks.org/wiki/LaTeX/Mathematics#Operators

- Mixing text and equations is another sore spot: https://en.wikibooks.org/wiki/LaTeX/Mathematics#Adding_text_to_equations
- Tidy multiline equations (use align instead of eqnarray)⁴ https://en.wikibooks.org/wiki/LaTeX/Advanced_Mathematics#align_and_align.
- Annotating parts of equations using braces https://en.wikibooks.org/ wiki/LaTeX/Advanced_Mathematics#Above_and_below
- Never use manual linebreak \\ in text (outside align,bmatrix and other similar multiline formula environments). If you think you need it, you're wrong.⁵ Instead use an empty line (to break a paragraph), or displayed equations using a pair of \$\$ or \[,\] (preferred).

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 $^{^4}$ This is an official guidance from TeX community https://texfaq.org/FAQ-eqnarray

 $^{^{5} \}verb|https://en.wikibooks.org/wiki/LaTeX/Paragraph_Formatting \#Manual_breaks|$