

Title

Author 1, Author 2

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Abstract

Add abstract here

Key words: Keyword 1, keyword 2, keyword 3, keyword 4, keyword 5

1. Introduction

Broad introduction

What is the paper about?

Previous work. Cite an article like this [1].

Highlights of the current approach

Outline of contents

2. Methods

What are the mathematical / computational / experimental methods used in this work?

Provide sufficient details in appropriate subsections

2.1. Equations

Inline and display equations are entered like this: consider the function $f : \mathbb{R} \rightarrow \mathbb{R}$ defined as

$$f(x) = \sin x. \tag{1}$$

Email addresses: email-1 (Author 1), email-2 (Author 2)

Multiple equations are entered like this:

$$\begin{aligned}
 (a+b)^3 &= (a+b)^2(a+b) \\
 &= (a^2 + 2ab + b^2)(a+b) \\
 &= a^3 + 3a^2b + 3ab^2 + b^3.
 \end{aligned}
 \tag{2}$$

Notice how equations are part of sentences. In particular, use appropriate punctuations like commas and periods, just as in a regular sentence.

3. Results

Systematically list out results in increasing order of complexity.

3.1. Figures

Figures are added like this: the function defined in Eq. (1) is plotted in Figure 1.

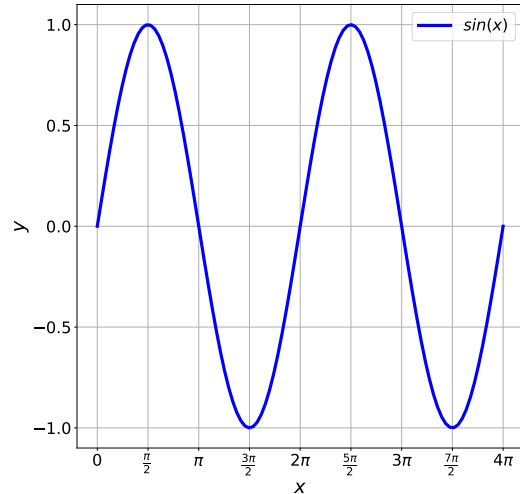


Figure 1: Plot of the sine function over the interval $[0, 4\pi]$.

Notice how the lines in Figure 1 are thick, and how the various fonts are bigger. This is necessary to make the figure readable.

3.2. Tables

Use the `threeparttable` package to create tables as shown in Table 1.

x	$\sin x$	$\cos x$	$\tan x$
0	0	1	0
$\frac{\pi}{6}$	$\frac{1}{2}$	$\frac{\sqrt{3}}{2}$	$\frac{1}{\sqrt{3}}$
$\frac{\pi}{4}$	$\frac{1}{\sqrt{2}}$	$\frac{1}{\sqrt{2}}$	1
$\frac{\pi}{3}$	$\frac{\sqrt{3}}{2}$	$\frac{1}{2}$	$\sqrt{3}$
$\frac{\pi}{2}$	1	0	∞

Table 1: Some values of trigonometric functions in the interval $[0, \pi]$.

4. Discussion

What do the results tell us?

What implications do they have on this and related topics?

...

5. Conclusion

Summarize and conclude the work

Acknowledgement

Acknowledge funding sources and thank people who helped in the process of preparing the manuscript.

Declaration of Interest

Declare competing interests if any.

References

References

- [1] T. Kirchdoerfer, M. Ortiz, Data-driven computational mechanics, Comput. Methods Appl. Mech. Engrg. 304 (2016) 81–101. doi:<http://dx.doi.org/10.1016/j.cma.2016.02.001>.

A. Supplementary information

Add any supplementary information in one or more appendices.