

Problem Set 1

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Abstract

Your abstract goes here. A well-written abstract introduces the problem and motivation (briefly), highlights the approach taken by the authors, and summarizes the results. The idea is to give the readers an overview of what to expect from the paper.

Keywords— one, two, three, four

Introduction

The introduction section serves to expand upon the motivation, and to contextualize the specific problem chosen by the authors to work upon. In the absence of a dedicated related work section, comparison to previous approaches may be highlighted here. The section discusses the approach at a high-level, often with supporting figures where appropriate. The following is an example of how to insert an image in Latex.

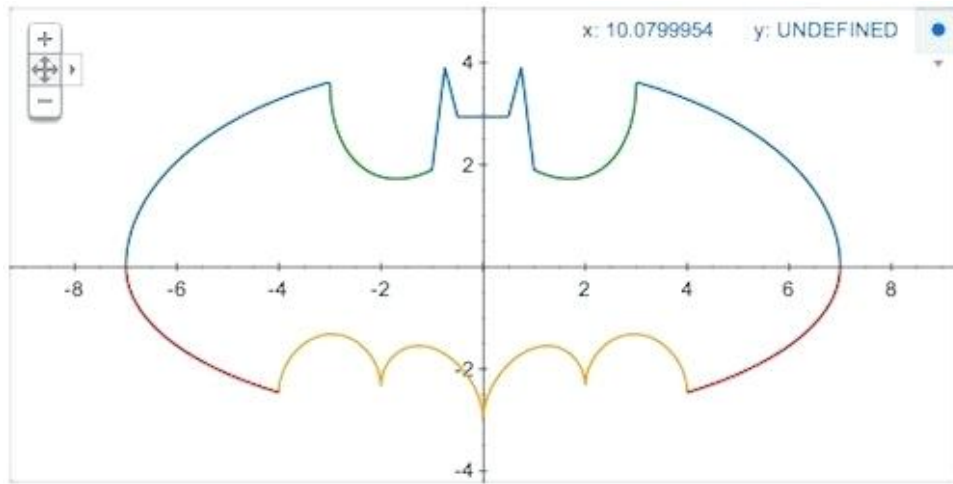


Figure 1: A cool graph. This image does not reflect the author’s allegiance to the DC Comics universe.

1 Example Section

This is an example of a numbered section. Sections typically seen in a research paper are Related Work, Preliminaries, Data, Methodology, Experiments, Results and Discussion. The order in which these sections appear may depend on the venue.

1.1 Example Subsection

This is an example of a subsection. For example, Definitions could be a subsection of the Preliminaries section.

2 Formulae, Tables

2.1 Typing Equations in L^AT_EX

This subsection demonstrates the use of inline formulae, like $e = mc^2$, or equations like the one below on a separate line.

$$\int_a^b x^2 \, dx = \frac{1}{3}x^3 \Big|_a^b$$

For numbered equations, we use the *equation* environment:

$$\int_a^b x^2 \, dx = \frac{1}{3}x^3 \Big|_a^b \tag{1}$$

2.2 Tables

This subsection demonstrates the use of tables in a L^AT_EX document. Resources like *tablesgenerator.com* can be used to generate code for tables like the one below.

Country List			
Country Name or Area Name	ISO ALPHA 2 Code	ISO ALPHA 3 Code	ISO numeric Code
Afghanistan	AF	AFG	004
Aland Islands	AX	ALA	248
Albania	AL	ALB	008
Algeria	DZ	DZA	012
American Samoa	AS	ASM	016
Andorra	AD	AND	020
Angola	AO	AGO	024

Table 1: A Random Table

References to books [1] or articles [2] can be made like this, with the full citations defined in a *.bib* file.

References

- [1] Teera, *The Kid from Thailand*. AAC Publisher, 2024.
- [2] M. Kon, “Ally of the world,” *Journal*, 2011.