

Abstract

This is my first project in L^AT_EX. It is a lot of fun!

My First Project

Sophie Osunkoya

January 31, 2025

1 Introduction

This is the introduction.

2 Basic Commands and Math Mode

The word *hello* is italicized. And now, the word **hello** is in bold

Bullet points look like

- bullet point 1
- bullet point 2
- bullet point 3

and lists look like

1. first item
2. second item
3. third item

That was the end of that paragraph. This is the beginning of a new paragraph. 'This is a quote.' $5 + 3 = 8$

$$\frac{\alpha + \beta}{\gamma + \omega} = x^5 + y_2 \tag{1}$$

$$\frac{1}{2} + \left(\frac{\alpha}{2}\right)^2 = \frac{2 + \alpha^2}{4}$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$\begin{aligned} y &= 6 + 7 \\ &= (3 + 3) + (4 + 3) \\ &= (3 + 2 + 1) + (2 + 2 + 3) \end{aligned}$$

$$y = 6 + 7 \tag{2}$$

$$= (3 + 3) + (4 + 3) \tag{3}$$

$$= (3 + 2 + 1) + (2 + 2 + 3) \tag{4}$$

3 Referencing

3.1 Cross-Referencing

You can reference a section if it is labeled by typing 3(whatever is inside the label) and you can reference an equation like this

$$e^{i\pi} + 1 = 0 \tag{5}$$

Equation (5) is Euler's identity.(note that you need the package for amsmath to use eqref)

3.2 Bibliography

- I am citing `atkinson'1982`<empty citation>.
- I am citing `(atkinson'1982)`.
- I am citing (see `atkinson'1982`, p. 1).

4 Tables and Figures

See Figure 1.



Figure 1: This is an example figure.

This is a table

1	2
3	4

Table 1: My first table.

This is another table

	center	right
1	22	333
4444	55555	666666666
777	88	9999

Table 2: My second table.

This is another table

α	β	γ
123	353	94837
45734	54557	66
67783	37	1899

Table 3: My third table.

Name	Age	Height	Weight
Adam	20	5'9"	165 lb
Benjamin	24	5'5"	152 lb
Carla	19	5'3"	127 lb
Deborah	27	5'6"	141 lb

Table 4: Table of Names, Ages, Heights, and Weights

5 Tikz

Figure 2 is a figure using the Tikz package.

Figure 2: My first Tikz figure

Figure 3 is a figure using the Tikz package.

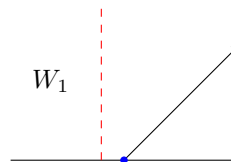


Figure 3: My second Tikz figure

Figure 4 is a figure using the Tikz package.

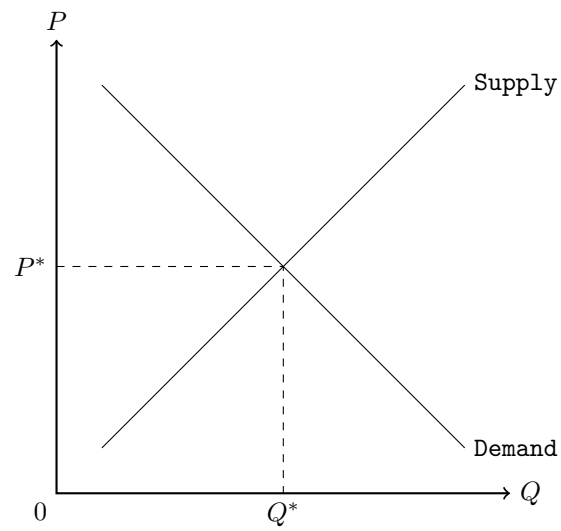


Figure 4: My third Tikz figure.

6 Conclusion

This is the conclusion.
atkinson'1982