My First Project

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Abstract

This is my first project in LaTeX. It is a lot of fun!

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." $5 + 3 = 8$

$$5 + 3 = 8$$

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

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

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

Figure 1: This is an example figure.

$$y = 6 + 7$$
$$= (3 + 3) + (4 + 3)$$
$$= (3 + 2 + 1) + (2 + 2 + 3)$$

$$y = 6 + 7 \tag{2}$$
$$= (3 + 3) + (4 + 3) \tag{3}$$
$$= (3 + 2 + 1) + (2 + 2 + 3) \tag{4}$$

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˙1982empty citation**.

- I am citing (**atkinson˙1982**).

- I am citing (see **atkinson˙1982**, p. 1).

4 Tables and Figures

See Figure 1.

    This is a table

    This is another table

    This is another table

1	2
3	4

Table 1: My first table.

left	center	right
1	22	333
4444	55555	66666666
777	88	9999

Table 2: My second table.

5 Tikz

Figure 2 is a figure using the Tikz package.
Figure 3 is a figure using the Tikz package.
Figure 4 is a figure using the Tikz package.

6 Conclusion

This is the conclusion.

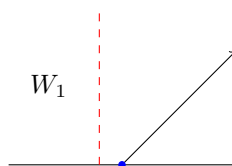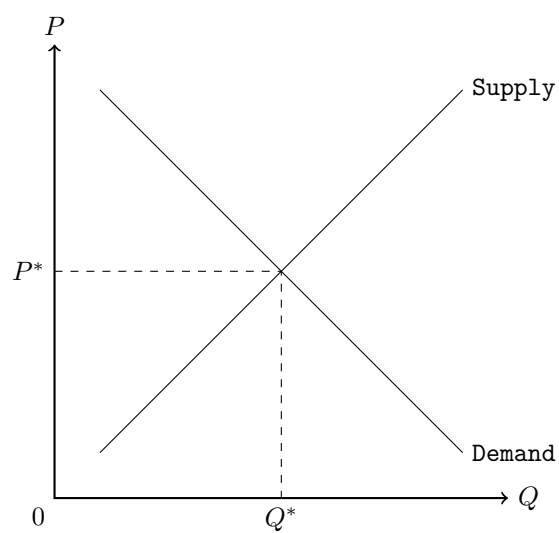| α	β	γ
123	353	94837
45734	54557	66
67783	37	1899

Table 3: My third table.

Figure 2: My first Tikz figure

Figure 3: My second Tikz figure

Figure 4: My third Tikz figure.