

Abstract

Here you give a brief statement of what you did and the key results.

Your Paper

Learned Physics Student (You)

Westminster College

New Wilmington, PA 16172

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1 Introduction

The paper really begins here. You should provide info about the history of work done in physics that relates to what you present in this paper.

To start a new paragraph put a blank line between the previous text and the new paragraph. It doesn't matter how many spaces you put in or if you decide to have a line break in funny places. If you feel the urge to have a line stop at a particular place in the text resist it. If you cannot control yourself you can use a double slash.

If you need to put in a gap then add a vertical space.

If you need to place text in a bold font do it **this way**. *Italics works in the same way.*

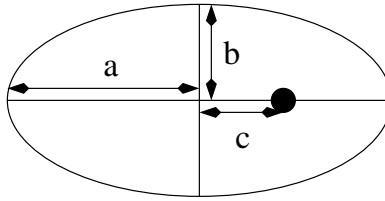


Figure 1: The semi-major axis a , semi-minor axis b , and the distance from the center of the ellipse to a focus c .

2 Theory

Nice looking intelligible equations that don't require lots of pulldown menus are done this way. You can put an equation separated on its own line with a number to identify it by

$$\Gamma = 2a \frac{\alpha}{\beta}. \quad (1)$$

And if you want to have a less important bit of equation in the text then this is how you do it $V = IR$, spacing makes no difference in an equation. There are many special symbols available and the not so short guide to LaTeX is a great place to find out about them.

3 Procedure

You will probably want to put figures in your paper and be able to reference them. A good example can be seen in Fig. 1. As you add figures they will be kept straight automatically if referenced using references connected to labels.

4 Results

Tables work in the same way. For each of the dates in Table 1.

Observation No.	Date	Elongation (degrees)	Direction	Elapsed Time (days)
1	Jan. 16, 1580	18.3	East	0
2	Feb. 27, 1580	27.6	West	42
3	May 9, 1580	22.8	East	114
4	June 27, 1580	20.8	West	163
5	Sep. 6, 1580	26.3	East	234
6	Oct. 17, 1580	18.7	West	275
7	Dec. 30, 1580	18.9	East	349
8	Feb. 9, 1581	26.8	West	390
9	Apr. 21, 1581	21.3	East	461
10	June 9, 1581	22.3	West	510

Table 1: Greatest elongation angles for Mercury.

5 Analysis

6 Conclusion

To turn this document (and accompanying figures) into something a person would actually read open the Commandline (classified as an accessory by windows).

1. Move to the directory that holds your paper (the .tex file and figure files).
2. Type: `latex nameOfYourDocument.tex`
3. Repeat previous step until all references are defined.
4. Type: `dvips nameOfYourDocument.dvi -o nameOfYourDocument.ps`
5. Finally type: `ps2pdf nameOfYourDocument.ps nameOfYourDocument.pdf`

You will now have a pdf that contains all of the text, equations, figures and citations you put into it. If it is not the way you want it change the .tex file and create a new pdf, starting from step 2.

7 References

References are often given using bibtex but can be handled individually.