Contents

Problem Set 1

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9/8/2015

1 First Section

Today is September 9, 2015.
"Hey man what is $5 - 1$?"
This is a small new parapgraph that doesn't contain much useful info. Just another LaTeX doc. Books are often typeset with each line having the same length. LATEX inserts the necessary line breaks and spaces between words by optimizing the contents of a whole paragraph. If necessary, it also hyphenates words that would not fit comfortably on a line. How the paragraphs are typeset depends on the document class. Normally the first line of a paragraph is indented, and there is no additional space between two paragraphs. Refer to section 6.3.2 for more information. Not a new line?

Is it cool to have a new paragraph here or not? Read/ write

1.1 Temp info

Temp today September 9, 2015 is $-30\,°\mathrm{C}$

Another way to write it is as 30 ℃ is 86 ℉

2 Seconds Section

In equation 1 we have Einstein's equation and in equation 2 we have the sum notation.

... when Einstein introduced his formula

$$e = m \cdot c^2 \tag{1}$$

... from which follows Kirchhoff's current law:

$$\sum_{k=1}^{n} I_k = 0 \tag{2}$$

... which has several advantages

$$I_D = I_F - I_R \tag{3}$$

3 Algo Section

Creating nice pseudocode algorithms.

3.1 My Algorithm

Did you learn LaTeX?
   if $learned \geq sortof$ **then**
      $okay \leftarrow true$

```
    else
        while !okay do
            repeat course
            okay = learned ≥ sortof
        end while
    end if
```

4   Footnotes

Trying to create footnotes [1] as I learn LaTeX.

5   Emphasized words

I'm working on *emphasizing* and adding <u>underlines</u> to all my LaTeX documents.

6   Lists and stuff

1. first list

   - What
   - a
   - cool
   - list.

2. second list

   - Now
   - another
   - one
   - bro

<div align="center">
At the centre of
the earth.
</div>

7   Conclusion

We can conclude by referencing a bunch of our equations. Below we have $24 * 60 = 1,440$ in equation 4.

$$24 * 60 = 1,440 \tag{4}$$

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[1]This is a footnote.