Learning LaTeX

Mines ACM-W

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Contents

1 Basics

1.1 Text Modifiers

Lets **start** *practicing* ~~latex~~ LaTeX! You can find a fill-in-the-blank version of this document at https://github.com/jakevossen5/acm-w-latex-talk

1.2 Quotes

"Quotation marks will always show up as back quotes."
"To get front quotes, use ``"

But, "the dirtytalk package makes inline quotes incredibly easy!" We can also use csquotes for longer quotes:

> Once upon a time there was a lovely princess. But she had an enchantment upon her of a fearful sort which could only be broken by love's first kiss. She was locked away in a castle guarded by a terrible fire-breathing dragon. Many brave knights had attempted to free her from this dreadful prison, but non prevailed. She waited in the dragon's keep in the highest room of the tallest tower for her true love and true love's first kiss. (Laughs, tears out a page of the book) Like that's ever gonna happen. What a load of - (toilet flush).

2 Lists

Bulleted list:

- foo
- bar
- baz

Numbered list:

1. foo
   (a) fee
   (b) faa
2. bar
3. baz

3 Equations

Summation property: $\sum_{i=1}^{n} i = \frac{n(n+1)}{2}$

Discrete math mumbo jumbo: $\exists x \forall y ((A \rightarrow C) \vee (C \rightarrow \neg B) \wedge B)$

Finally, let's steal the position-space Schrödinger equation from Wikipedia:

$$i\hbar \frac{\partial}{\partial t} \Psi(x,t) = \left[-\frac{\hbar^2}{2m} \frac{\partial^2}{\partial x^2} + V(x,t) \right] \Psi(x,t)$$

4   Tables

Item	Cost	Amount	Total
apples	$1	3	$3
bananas	$2	2	$4
Grand Total			$7

5   Citations and Footnotes

There are many citation packages to choose from [1], here we are using Natbib. Overleaf has some very easy-to-follow guides[1]. You can also look at the LaTeX project[2].

6   Code

6.1   Small Code Fragments and Specialty Text

```
Text enclosed inside \texttt{verbatim} environment
is printed directly
and all \LaTeX{} commands are ignored.
```

6.2   Large Code Segments

```python
#prints wow
def wow():
    print("Wow!")

wow()
```
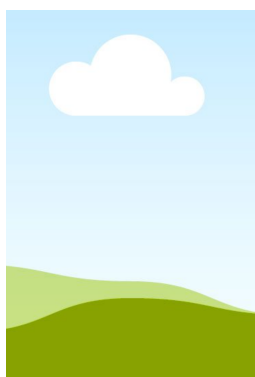
7   Images

Figure 1: *"Screensaver"*

8   Conclusion

Thanks for coming!

References

[1] *Documentation*. Overleaf, 2017.

[2] Overleaf. Core documentation. *https://www.latex-project.org/help/documentation/*, 17(1):19–35, 2010.