Pragmatic LATEX

Nicholas Lantz

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What is \LaTeX ?

- A typesetting and document preparation system
- Looks better than Word
- Written especially for writing technical reports

 Certain character combinations look awkward together, for example...

```
find vs. find
fly vs. fly
efficient vs. efficcient
```

Typesetting Math LATEXVs. Word

- We go to Mines, we all need to typeset mathematical equations for projects, lab reports, etc.
- LaTeX supports these very nicely, and the output looks much better than the Word equivalent.

$$-\int_{0}^{2\pi} \frac{kQd\theta}{2\pi (a^2 + x^2)^{3/2}} \left(a\sin\theta \ \hat{j}\right) = 0$$

$$-\int_0^{2\pi} \frac{kQ \, d\theta}{2\pi (a^2 + x^2)^{3/2}} (a\sin\theta \, \hat{\jmath}) = 0$$