

Presentations as Code

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- 1 Latex
- 2 Beamer
- 3 What's the catch
- 4 Pandoc
- 5 Thank you

Latex

- 1 Latex is a typesetting system for preparing documents.
- 2 Unlike other text processors, Latex uses plain text when writing
- 3 The formatting you can get with Latex is unmatched

$$\vec{w} = \nabla \times \vec{u}$$

- 4 Latex is over 40 years old!!



Figure 1: latex.png

Beamer

- 1 Beamer is a Latex class to build presentations.
- 2 This presentation was created by beamer
- 3 A beamer slide will look like this in code

```
1 \begin{frame}
2 \frametitle{Sample frame
   title}
3 This is a text in second
   frame.
4 For the sake of showing an
   example.
5
6 \begin{itemize}
7   \item<1-> Text visible on
       slide 1
8   \item<2-> Text visible on
       slide 2
9 \end{itemize}
10 \end{frame}
```

What's the catch

- ① Latex takes time to get used to
- ② If only there was a way quickly prototype Latex docs

Pandoc

- 1 Pandoc is a Haskell library for converting from one markup format to another
- 2 You can convert Markdown to Tex/Org/HTML
- 3 This can be used to create pdfs, books, and slides from existing markdown documents

Specify Pandoc to produce Beamer output

```
1 | pandoc -t beamer  
   | presentations-as-code.md  
   | -o  
   | presentations-as-code.pdf
```

Thank you

Any Questions?