Document Typesetting Template Readme – Draft

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1 Preamble

The text above is a "document preamble." It looks pretty normal within this actual Markdown file, and it is invisible in the output PDF generated by Pandoc. However it is sometimes visible in the GitHub README view for the repository. If the text above is not there, it looks like this:

```
---
title: Document Typesetting Template Readme -- Draft
author: Genrep Software, LLC.
date: June 16, 2020
...
```

Notice that the above has fancy syntax highlighting in the PDF, but may have some text that says `{ .markdown }` on GitHub. Unfortunately, even though Markdown is similar across platforms that use it, there is no official standard. When writing Markdown documents to version control and eventually typeset using this template and script, refer to the Pandoc Markdown Reference.[1]

2 Introduction

LaTeX is an advanced document typesetting system, originally created decades ago by famed computer scientist Donald Knuth. Pandoc compiles Markdown to LaTeX for us, so that we don't have to learn and remember the fancy LaTeX commands. That being said, it is possible to inline LaTeX commands. For example, if reading in the PDF, it will not be obvious that the weird-looking word `LaTeX` is created by typing `\LaTeX{}` into the Markdown. GitHub renders the Markdown without converting it to LaTeX, so it will look like raw commands, rather than nice formatting there.

One benefit of using LaTeX is that we can also inline math, which will be beautifully typeset for us. The nice math below will not render correctly on GitHub unfortunately.

$$\mathrm{Borwein}(n) := \int_0^\infty \prod_{i=0}^{n} \frac{\sin(x)}{x} dx$$

The code to render the math above is:

```
$$ \mathrm{Borwein} (n) := \int_0^\infty \prod_{i = 0}^n \frac{\sin (x)}{x} dx $$
```

[1] `https://pandoc.org/MANUAL.html#pandocs-markdown`