Large Markdown File

Introduction

This is a large markdown file containing various sections and elements to showcase the formatting capabilities of Markdown.

Headers

Header 3

Header 4

Header 5
Header 6

Text Formatting

Markdown allows you to format text in various ways:

- **Bold text** can be created using double asterisks or double underscores: **Bold Text**.

- *Italic text* can be created using single asterisks or single underscores: *Italic Text*.
- ~~Strikethrough text~~ can be created using double tilde: ~~Strikethrough Text~~.

Lists

Markdown supports both ordered and unordered lists.

Unordered List

- Item 1
- Item 2
  - Subitem A
  - Subitem B
- Item 3

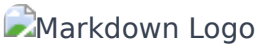
Ordered List

1. First Item
2. Second Item
   1. Subitem 1
   2. Subitem 2
3. Third Item

Links and Images

You can create links like this: Visit OpenAI.

You can embed images like this:



Code

You can include inline code by wrapping it in backticks, like `` `print("Hello, World!")` ``.

For code blocks, use triple backticks:

```
def greet(name):
    print(f"Hello, {name}!")
```

```
<p><span class="math display">\[
  \xi
\]</span></p>
        </div>

        <!-- mathjax -->
        <script src="https://cdn.mathjax.org/mathjax/latest/MathJax.js?config=TeX-AMS-M
    </body>
```

```
func codeHook(w io.Writer, node ast.Node, entering bool) (ast.WalkStatus, bool) {

    if code, ok := node.(*ast.CodeBlock); ok {
        quick.Highlight(w, string(code.Literal), string(code.Info), "html", "monokailig
        return ast.GoToNext, true
    }

    return ast.GoToNext, false
}
```

Formulas

$$\xi$$

$$S(\omega) = \frac{\alpha g^2}{\omega^5} e^{[-0.74\left\{\frac{\omega U_\omega 19.5}{g}\right\}^{-4}]}$$