

FlorianAdamczyk: how would i include the file #file:test.md in the #file:report.tex file to make it easily and well readable (formatted in the right way)?

GitHub Copilot: To include the Markdown file test.md in your LaTeX document (report.tex) and ensure it is well-formatted and readable, you have two main options:

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### Option 1: Convert Markdown to LaTeX and Input

1. **Convert test.md to LaTeX** using a tool like Pandoc:

```
pandoc report/LLM_documentation/test.md -o report/LLM_documentation/test.tex
```

2. **Include the converted file** in your LaTeX document using `\input` or `\include`:

```
% filepath: c:\Users\Flori\Documents\GitHub\SHG-THG_SpektroskopieVortrag_FlorianAdamczyk
...existing code...
```

```
\section{Appendix: LLM Documentation}
\input{LLM_documentation/test.tex}
```

```
...existing code...
```

This will preserve formatting (headings, code blocks, lists, etc.) and integrate seamlessly.

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### Option 2: Use the minted or listings Package for Raw Markdown

If you want to show the raw Markdown as a code block, use the minted or listings package:

1. **Add to your preamble** (if not already present):

```
\usepackage{minted}
```

2. **Include the Markdown file as a code listing:**

```
% filepath: c:\Users\Flori\Documents\GitHub\SHG-THG_SpektroskopieVortrag_FlorianAdamczyk
...existing code...
```

```
\section{Appendix: LLM Documentation (Markdown Source)}
\inputminted[breaklines,fontsize=\small]{markdown}{LLM_documentation/test.md}
```

```
...existing code...
```

**Note:** Using `minted` requires compiling with `-shell-escape` enabled.

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## Recommendation

- **For best readability:** Convert to LaTeX with Pandoc and use `\input`.
- **For showing raw Markdown:** Use `minted` or `listings`.

Let me know if you want a ready-to-use Pandoc command or a LaTeX snippet for your preferred method!

FlorianAdamczyk: how would i automatically convert all .md files in the folder `#file:LLM_documentation` to be converted in .tex files using pandoc?

GitHub Copilot: You can automatically convert all .md files in the `LLM_documentation` folder to .tex files using Pandoc with a simple command in your terminal (PowerShell or Command Prompt):

### PowerShell (recommended on Windows):

```
Get-ChildItem .\report\LLM_documentation\*.md | ForEach-Object {  
    pandoc $_.FullName -o ($_.FullName -replace '\.md$', '.tex')  
}
```

### Command Prompt (cmd.exe):

```
for %f in (report\LLM_documentation\*.md) do pandoc "%f" -o "%~dpnf.tex"
```

**What this does:** - Finds all .md files in `LLM_documentation` - Converts each to a .tex file with the same name using Pandoc

**Make sure:** - Pandoc is installed and available in your PATH. - Run the command from the root of your project (where the report folder is).

You can then include the resulting .tex files in your LaTeX document using `\input{}`.

FlorianAdamczyk: how would i include a pdf file in the appendix of my report in my latex file? what package do i need for that?

GitHub Copilot: To include a PDF file (such as an appendix or supplementary material) in your LaTeX document, you need the `pdfpages` package.

### 1. Add the package to your preamble:

```
\usepackage{pdfpages}
```

### 2. Include the PDF in your appendix section:

```
\section{Appendix}
```

In this appendix, I included some conversations with LLMs used to create this report.

```
\includepdf[pages=-]{test.pdf}
```

- `pages=-` means all pages of the PDF will be included.
- Replace `test.pdf` with the path to your PDF file if needed.

**Summary:**

- Add `\usepackage{pdfpages}` to your preamble. - Use `\includepdf[pages=-]{yourfile.pdf}` where you want the PDF to appear.