Markdown to Jupyter notebook example

Here is a SugarTeX example with eq. 1 and fig. 1.

See PDF of this source if you do not have excellent Unicode support.

$$
\begin{aligned}
\nabla \times \mathbf{B} - \frac{1}{c}\frac{\partial \mathbf{E}}{\partial t} &= \frac{4\pi}{c}\mathbf{j} \\
\nabla \cdot \mathbf{E} &= 4\pi\rho \\
\nabla \times \mathbf{E} + \frac{1}{c}\frac{\partial \mathbf{B}}{\partial t} &= \mathbf{0} \\
\nabla \cdot \mathbf{B} &= 0
\end{aligned}
\qquad , \qquad (1)
$$

where $\mathbf{B}, \mathbf{E}, \mathbf{j} : \mathbb{R}^4 \to \mathbb{R}^3$ – vector functions of the form $(t, x, y, z) \mapsto \mathbf{f}(t, x, y, z), \mathbf{f} = (f_\mathrm{x}, f_\mathrm{y}, f_\mathrm{z})$.
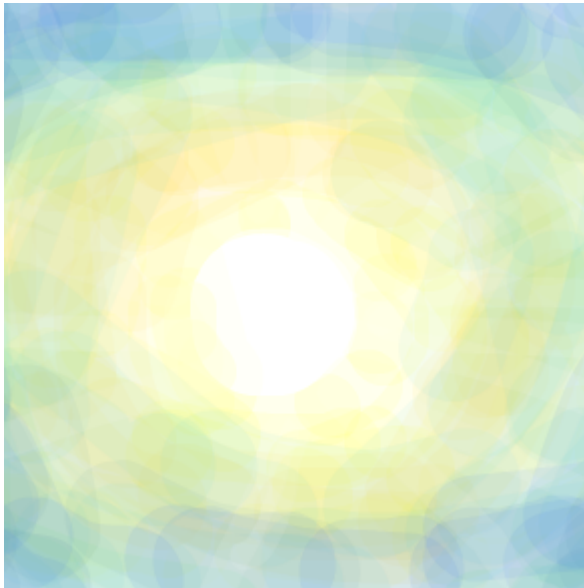

Figure 1: Sample image with cross-references.

In this version of Pandoc image caption fig. 1 works.

```python
from IPython.display import Markdown
import pandas as pd
```

```
import numpy as np
import tabulatehelper as th

df = pd.DataFrame(np.random.random(16).reshape(4, 4))

Markdown(f'''
{th.md_table(df)}
: Table {{#tbl:table1}}
''')
```

Table 1: Table

0	1	2	3
0.689499	0.199061	0.0382862	0.271784
0.319026	0.389028	0.85069	0.780962
0.244172	0.404529	0.171213	0.181284
0.0842786	0.922345	0.509034	0.957941

Text and tbl. 1

```
import pandas as pd
import numpy as np
df = pd.DataFrame(np.random.random(16).reshape(4, 4))
df
```

Title

Text and tbl. 2

Table 2: Table

a	b	c	d

a	b	c	d
1	2	3	4

```python
print('Hello!')
```