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.

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

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

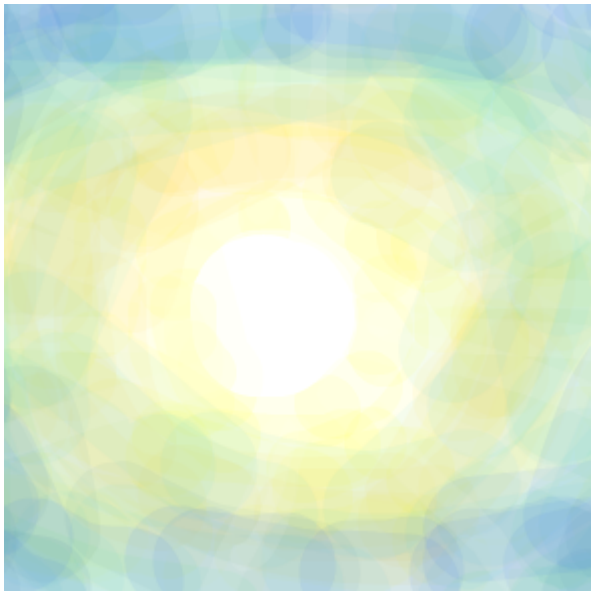

Figure 1: Sample image with cross-references.

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

```
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
0.347104	0.932652	0.416832	0.608414
0.499972	0.339335	0.014886	0.0262858
0.508947	0.227758	0.446236	0.719912
0.310665	0.11572	0.251788	0.225939

Text and tbl. 1

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

```r
# R cell:
x <- c(10, 20)
x[1]
```

10

Header

```r
x <- c(10, 20)
x[1]
```

10

```python
import math
Markdown(f'''
Markdown text with SugarTeX formula: $α^{math.pi:1.3f}$.
It works because of the Markdown display option and
SugarTeX Pandoc filter.
''')
```

Markdown text with SugarTeX formula: $\alpha^{3.142}$. It works because of the Markdown display option and SugarTeX Pandoc filter.

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