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.

\[\begin{aligned}∇ × {\mathbf{B}} - \frac{1}{c} \frac{∂{\mathbf{E}}}{∂t} &= \frac{4π}{c} {\mathbf{j}}\\ ∇ · {\mathbf{E}}\ &= 4πρ \\ ∇ × {\mathbf{E}} + \frac{1}{c} \frac{∂{\mathbf{B}}}{∂t} &= {\mathbf{0}} \\ ∇ · {\mathbf{B}}\ &= 0 \end{aligned} ,\qquad(1)\]

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

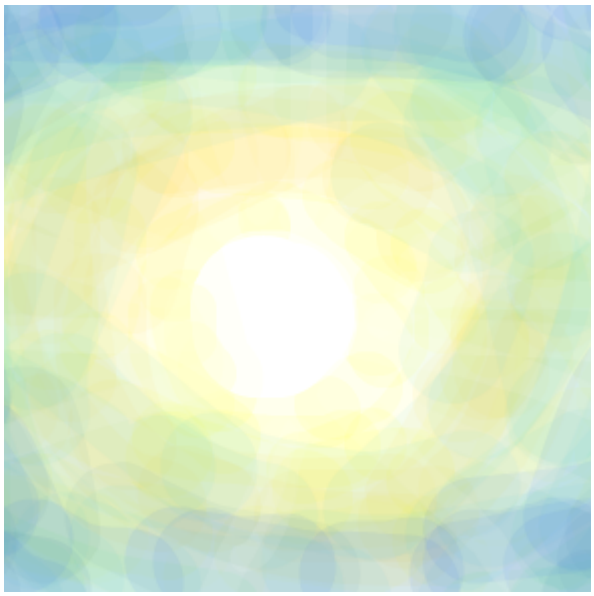

Figure 1: Sample image with cross-references.

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

```
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
0.305947	0.255349	0.876985	0.462509
0.971988	0.436516	0.131657	0.794084
0.800326	0.441889	0.0685123	0.812726
0.659657	0.506419	0.689123	0.216958

Text and tbl. 1

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

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

10

Header

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

10

```
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: \(α^{3.142}\). It works because of the Markdown display option and SugarTeX Pandoc filter.

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