

Jupyter notebook's pdf export feature is not as rich as necessary in some cases, particularly with regards to maths exports etc. however it is common to want to include notebook source and output into a LaTeX document.

In that case working from LaTeX and importing individual notebook cells is most effective and provides the nicest resulting document. To that end `ipynb-tex` provides new TeX commands to include cells directly from notebooks.

## Compiling

As this extension makes use of the `PythonTeX` extension written by Geoffrey M. Poore the necessary compilation approach is the same.

Usage is as follows:

```
\documentclass{document}
% include the package
\usepackage{ipynb-tex}

% extract cells from the document
\begin{document}
  % include specific tagged source cells
  \ipynbsource{notebook.ipynb}{tag1}

  % include the output from a cell
  \ipynboutput{notebook.ipynb}{tag2}

  % include the image from a cell
  \ipynbimage{notebook.ipynb}{graph}
\end{document}
```

## Examples

Include a graph

```
\ipynbimage{notebook.ipynb}{graph}
```

4 Done `./cells/notebook.ipynb/graph.png`

Include the source of a cell

```
\ipynbsource{notebook.ipynb}{tag1}
```

4 Done

Include the output of a cell

```
\ipynboutput{notebook.ipynb}{tag1}
```

4 Done

Include the source and output of a cell at the same time

```
\ipynb{notebook.ipynb}{tag2}
```

4 Done      4 Done      Include the source of a cell from a notebook, even if  
has  $\text{\TeX}$  in it, using the raw variant of the source and output commands.

```
\ipynbrawsource{notebook.ipynb}{tag2}
```

4 Done `./cells/notebook.ipynb/equation.source`

Include  $\text{\TeX}$  output, such as that from sympy. `ipynb-tex` can't automati-  
cally handle sympy objects at this time

```
\ipynbsource{notebook.ipynb}{sympy}
```

```
$$\ipynbrawoutput{notebook.ipynb}{sympy}$$
```

4 Done

*4Done./cells/notebook.ipynb/sympy.output*