

# template

Andreas Sorge

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```
In [1]: # numpy
import numpy as np

# import sympy and configure latex output
import sympy
sympy.init_printing(use_unicode=True)
from IPython.display import Math

# import and configure matplotlib
import matplotlib as mpl
import matplotlib.pyplot as plt
%matplotlib inline
## use Scalable Vector Graphics (SVG) format for figures
## remember to employ rasterized option when plotting large
## datasets to keep figure size down
%config InlineBackend.figure_format = "svg"
## load matplotlib inline integration for base16 ipython notebook
## themes
## https://github.com/benjaminaschultz/base16-ipython-matplotlibrc
try:
    %load_ext base16_mplrc
    %base16_mplrc
except:
    pass
mpl.rcParams.update({
    'figure.dpi'      : 300,
    'savefig.dpi'     : 300,
    'grid.color'      : mpl.rcParams['xtick.color'],
})

# load ipython cython magic
%load_ext cythonmagic
```

```
Could not detect base-16 ipython notebook theme. Download base16 theme notebook theme
from https://github.com/nsonnad/base16-ipython-notebook . Using 'default' theme
```

```
Could not detect base-16 ipython notebook theme shade. Download base16 theme no
from https://github.com/nsonnad/base16-ipython-notebook . Using 'default' theme
Setting plotting theme to default-light. Palette available in b16_colors
```