

pip install open-atmos-jupyter-utils

FOSDEM-2025 Lightning-Lightning Talk

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(acknowledging all github.com/open-atmos/jupyter-utils contributors!)

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OPEN**ATMOS**

¹zfs.agh.edu.pl/en/modelling-and-software


in short: unsatisfactory answers to not that uncommon questions
(or: the kind of package that would best not be needed!)

how to embed svg plot in a Jupyter notebook

matplotlib - jupyter notebook inline plots as svg

 Stack Overflow · 4 answers · 8 years ago

```
%config
InlineBackend.figure_formats =
['svg'] does the trick. A minimal
example is: ... More >
```


 Top answer · 73 votes · 8 year...

```
Use
set_matplotlib_formats('svg'
). import matplotlib.pyplot as
plt from IPython.display ...
```

[More >](#)

37 votes · 6 years ago


SVG not rendering in Jupyter notebooks (ipy nb) #12355

 GitHub · 2 years ago


how to embed animations in a Jupyter notebook

 Top answer · 55 years ago

Inline animations in Jupyter - python

 Stack Overflow · 6 answers · 7 years ago

notebook backend 'Inline'
means that the plots are shown
as png graphics. Those png
images cannot ... [More >](#)

 Top answer · 106 votes · 7 ye...

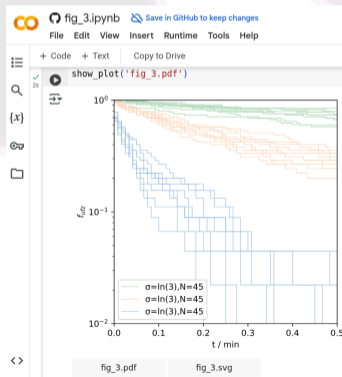
Another option: import
matplotlib.animation import
matplotlib.pyplot as plt
import numpy ... [More >](#)

23 votes · 4 years ago

`import open_atmos_jupyter_utils as oaju`

`oaju.show_plot()`

- gives SVG inline graphics
- adds save-SVG/PDF buttons
- Google-Drive link on Colab
- renders OK on GitHub



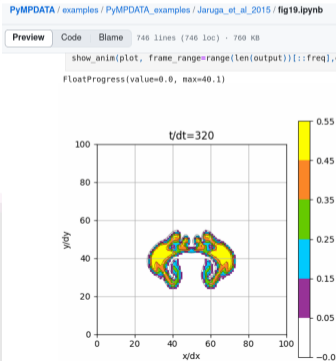
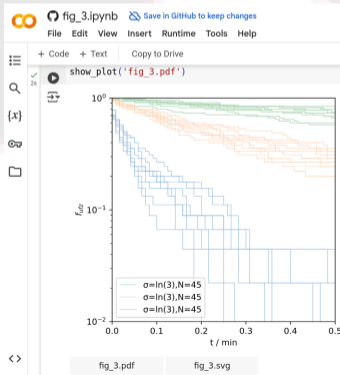
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`oaju.show_anim()`

- uses matplotlib & imageio
- GIF \rightsquigarrow base64 \rightsquigarrow .ipynb JSON
- save-as-GIF button + Colab
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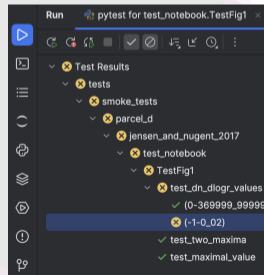
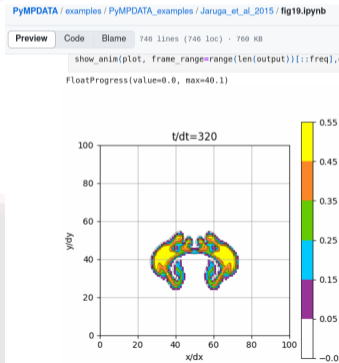
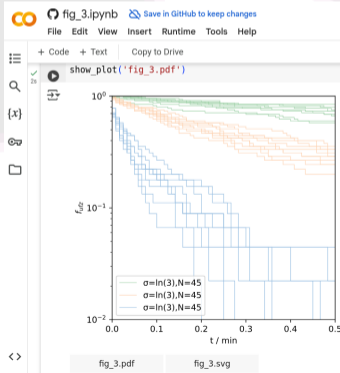
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`oaju.notebook_vars()`^a

- executes notebook code
- returns all locals as a dict
- option for plots on/off
- run-once/multiple asserts (using pytest fixture)



^asimilar to: pypi.org/p/testbook



github.com/open-atmos/jupyter-utils

feedback & contributions welcome!