
TimeEvolvingMPO

Release 0.0.1-2

TEMPO Collaboration

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This library is under consturction!

A python3 library to efficiently compute non-markovian open quantum systems.

Github	https://github.com/tempoCollaboration/TimeEvolvingMPO
Documenta- tion	https://TimeEvolvingMPO.readthedocs.io
PyPI	https://pypi.org/project/time-evolving-mpo/
Tutorial	https://mybinder.org/v2/gh/tempoCollaboration/TimeEvolvingMPO/master?filepath=tutorial.ipynb

INSTALL TIMEEVOLVINGMPO

1.1 How To Install

- Make sure you have *python3.6* or higher installed

```
$ python3 --version  
Python 3.6.9
```

- Make sure you have *pip3* version 20.0 or higher installed

```
$ python3 -m pip --version  
pip 20.0.2 from /home/gefux/.local/lib/python3.6/site-packages/pip (python 3.6)
```

- Install TimeEvolvingMPO via pip

```
$ python3 -m pip install time_evolving_mps
```

This should do it! (If not check if this is a known issue on github and file one if it isn't. Thanks!)

1.2 Test Installation

Open a interactive python3 session and type:

```
>>> import time_evolving_mps as tempo  
>>> tempo.say_hi()
```

This should give you the following message:

```
Hi there!  
This is TimeEvolvingMPO version 0.0.1-1 speaking!
```

1.3 Uninstall TimeEvolvingMPO

Uninstall TimeEvolvingMPO via the terminal: .. code-block:: none

```
$ python3 -m pip uninstall time_evolving_mps
```


TEMPO TUTORIAL

Click this button above to start a tutorial in a jupyter notebook on [binder](<https://mybinder.org>) without the need to install anything to your computer.

If you want to try things locally on your laptop: install *TimeEvolvingMPO* by following the instructions at *Install TimeEvolvingMPO*.

2.1 Say hi!

The TEMPO library is currently under construction. This example serves merely as a placeholder for the tutorial to come. However, you can check that you can access the (almost) empty library by executing the *tempo.say_hi()* example below.

Open a interactive python3 session and type:

```
>>> import time_evolving_mpo as tempo
>>> tempo.say_hi()
```

This should give you the following message:

```
Hi there!
This is TimeEvolvingMPO version 0.0.1-1 speaking!
```


INDICES AND TABLES

- genindex
- modindex
- search