- 1) Download repository
- 2) Download data from https://owncloud.gwdg.de/index.php/s/nSUqVXkkfUDPG5b
- 3) Install environment

How to reproduce these results?

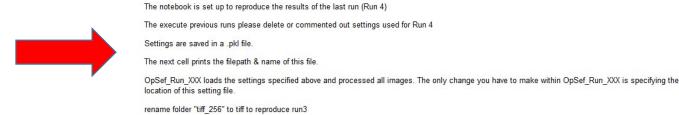
rename folder "tiff 512" to tiff to reproduce run1, 2 or 4

- 4) Execute OpSeF_IV_Configure_001.ipynb (only once after installation)
- 5) Open any demo notebook
- 6) Define the path, where you put the data: input def["root"] & execute notebook

```
In [4]: | # Define here input & basic processing that (generally) does not change between runs

input def = {}
input def["root"] = "/home/trasse/Desktop/MLTestData/cobblestones_test" # define folder where images are
input def["dataset"] = "cobble_stones_512" # give the dataset a common name
input_def["mydtype"] = np.uint8 # bit depth of input images
```

In some examples notebooks you need to modify the data-folder before proceeding to the next step. Each demo-notebook has a section that explains how:



Save Parameter

7) Copy this file-path:

How to reproduce these results?

The notebook is set up to reproduce the results of the last run (Run 2)

The execute previous runs please delete or commented out settings used for Run 2

Settings are saved in a .pkl file.

The next cell prints the filepath & name of this file.

OpSef_Run_XXX loads the settings specified above and processed all images. The only change you have to make within OpSef_Run_XXX is specifying the location of this setting file.

Save Parameter

Please execute this file with OPsef_Run_X; Demo_Notebooks/my_runs/Parameter_cobble_stones_512_Run_002.pkl

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8) Open OpSeF_IV_Run_001.ipynb and paste the file-path generated in 7) here

Load parameter

the parameter for processing need to be defined in the notebook. Opsef_Setup_000X this notebook will print in the end a file_path. Please cut and paste it below!

```
file_path "./Demo_Notebooks/my_runs/Parameter_cobble_stones_512_Run_002.pkl"

infile = ope.
parameter = pickle.load(infile)
print("Loading processing pipeline from", file_path)
infile.close()
pc,input_def,run_def,initModelSettings = parameter
```