Measurements

March 16, 2022
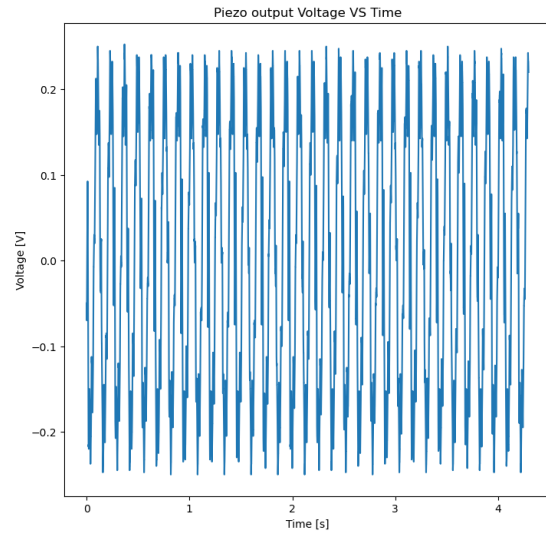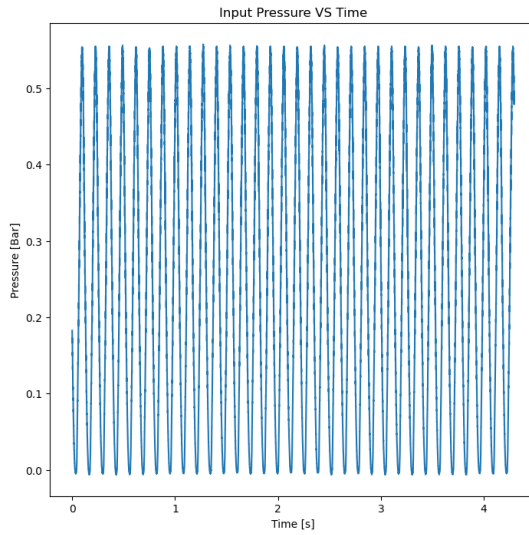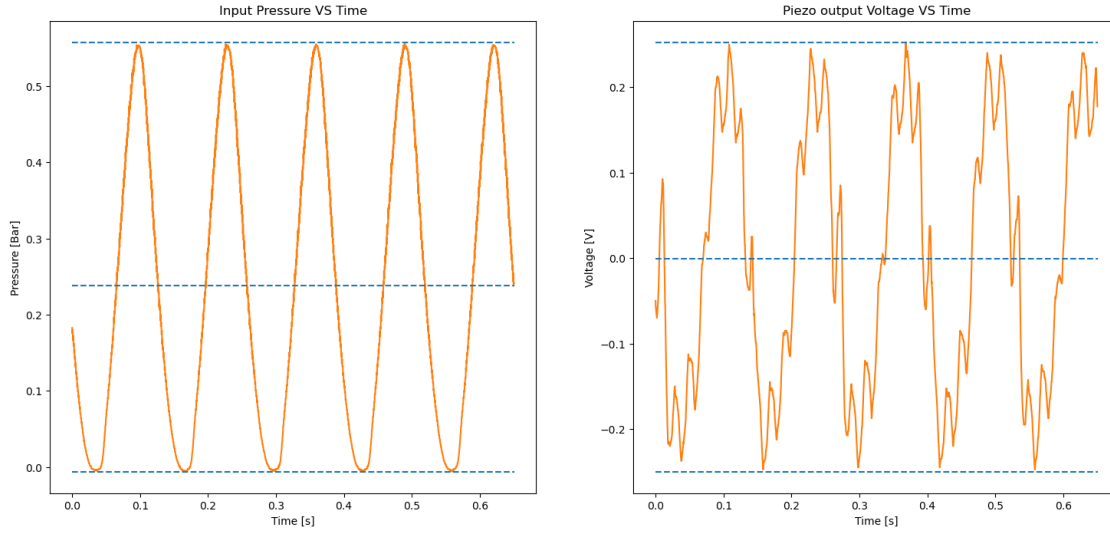
1 PARAMETERS

Sample name: test

|	Parameter	Value	Unit
0	Sample name	test	
1	Measure duration	5.0	[s]
2	Rload	300000.0	[Ohms]
3	Nb Periods	5.0	[1]
4	R Circuit	1.0	[Ohms]
5	Max Frequency	100.0	[Hz]

2 PRESSURE AND VOLTAGE MEASUREMENTS

The input frequency is: 7.68 Hz

	Variable	Min	Max	Peak to peak	Mean	Mean of absolute value
0	Pressure [Bar]	-6.25e-03	5.57e-01	5.64e-01	2.38e-01	2.38e-01
1	Voltage [V]	-2.50e-01	2.53e-01	5.02e-01	-5.91e-04	1.39e-01

3 POWER
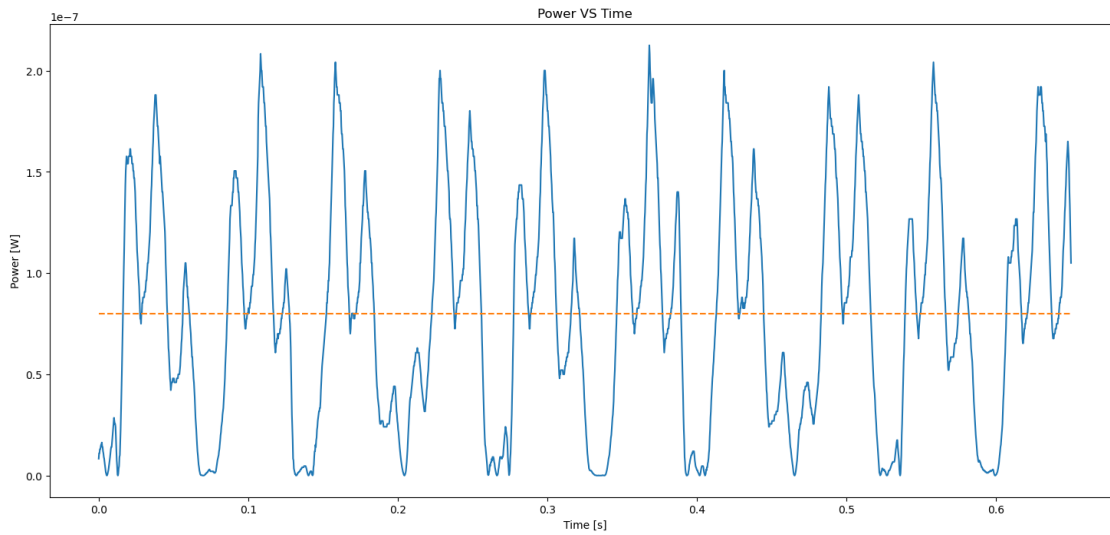

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Mean power: 7.99e-08 [W]
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4 FREQUENCY ANALYSIS
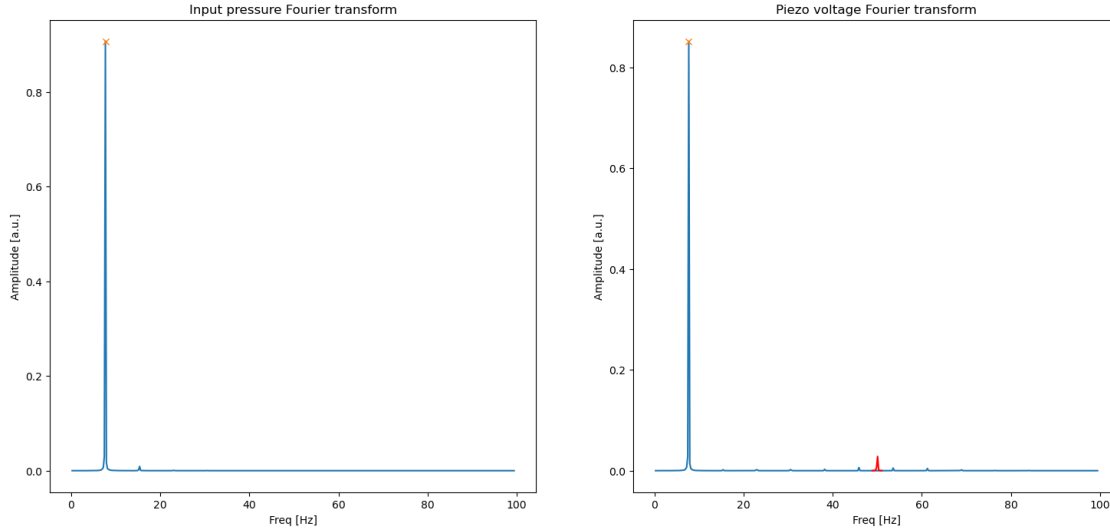
4.1 Voltage frequency peaks

	Freq [Hz]	Amplitude percentage
0	7.68	85.18

4.2 Pressure frequency peaks

	Freq [Hz]	Amplitude percentage
0	7.68	90.73

```
[SaveTXT] CSV successfully created
[SaveTXT] Writing to ./data/2022/03_March/16/12h56/test/test.data.csv

[NbConvertApp] WARNING | pattern "NOTINREPORT'" matched no files
[NbConvertApp] Converting notebook Measurements.ipynb to pdf
[NbConvertApp] Support files will be in test.report_files\
[NbConvertApp] Making directory .\test.report_files
[NbConvertApp] Making directory .\test.report_files
[NbConvertApp] Making directory .\test.report_files
[NbConvertApp] Writing 30001 bytes to notebook.tex
[NbConvertApp] Building PDF
[NbConvertApp] Running xelatex 3 times: ['xelatex', 'notebook.tex', '-quiet']
[NbConvertApp] CRITICAL | x failed: xelatex notebook.tex -quiet


Unfortunately, the package bitset could not be installed.
```

Please check the log file:

C:\Users\dispopiezo\AppData\Local\MiKTeX\miktex\log\xelatex.log


```
Traceback (most recent call last):
  File "C:\ProgramData\Anaconda3\Scripts\jupyter-nbconvert-script.py", line 10,
in <module>
    sys.exit(main())
  File "C:\ProgramData\Anaconda3\lib\site-packages\jupyter_core\application.py",
line 264, in launch_instance
    return super(JupyterApp, cls).launch_instance(argv=argv, **kwargs)
  File "C:\ProgramData\Anaconda3\lib\site-
packages\traitlets\config\application.py", line 846, in launch_instance
    app.start()
  File "C:\ProgramData\Anaconda3\lib\site-packages\nbconvert\nbconvertapp.py",
line 346, in start
    self.convert_notebooks()
  File "C:\ProgramData\Anaconda3\lib\site-packages\nbconvert\nbconvertapp.py",
line 518, in convert_notebooks
    self.convert_single_notebook(notebook_filename)
  File "C:\ProgramData\Anaconda3\lib\site-packages\nbconvert\nbconvertapp.py",
line 483, in convert_single_notebook
    output, resources = self.export_single_notebook(notebook_filename,
resources, input_buffer=input_buffer)
  File "C:\ProgramData\Anaconda3\lib\site-packages\nbconvert\nbconvertapp.py",
line 412, in export_single_notebook
    output, resources = self.exporter.from_filename(notebook_filename,
resources=resources)
  File "C:\ProgramData\Anaconda3\lib\site-
packages\nbconvert\exporters\exporter.py", line 181, in from_filename
    return self.from_file(f, resources=resources, **kw)
  File "C:\ProgramData\Anaconda3\lib\site-
packages\nbconvert\exporters\exporter.py", line 199, in from_file
    return self.from_notebook_node(nbformat.read(file_stream, as_version=4),
resources=resources, **kw)
  File "C:\ProgramData\Anaconda3\lib\site-packages\nbconvert\exporters\pdf.py",
line 183, in from_notebook_node
    self.run_latex(tex_file)
  File "C:\ProgramData\Anaconda3\lib\site-packages\nbconvert\exporters\pdf.py",
line 153, in run_latex
    return self.run_command(self.latex_command, filename,
  File "C:\ProgramData\Anaconda3\lib\site-packages\nbconvert\exporters\pdf.py",
line 141, in run_command
    raise raise_on_failure(
nbconvert.exporters.pdf.LatexFailed: PDF creating failed, captured latex output:
Failed to run "xelatex notebook.tex -quiet" command:
```

Unfortunately, the package bitset could not be installed.

Please check the log file:

C:\Users\dispopiezo\AppData\Local\MiKTeX\miktex\log\xelatex.log


```
[NbConvertApp] WARNING | pattern "NOTINREPORT'" matched no files
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[NbConvertApp] Running xelatex 3 times: ['xelatex', 'notebook.tex', '-quiet']
[NbConvertApp] Running bibtex 1 time: ['bibtex', 'notebook']
[NbConvertApp] WARNING | b had problems, most likely because there were no
citations
[NbConvertApp] PDF successfully created
[NbConvertApp] Writing 228730 bytes to
data\2022\03_March\16\12h55\test\test.report.pdf
```