

Untitled

February 9, 2024

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NameError                                Traceback (most recent call last)
Cell In[278], line 7
      4 file_path = f"./PM_BC_jan/{caseName}/Point{str(point)}.dat"
      6 data = pd.read_csv(file_path, delim_whitespace=True, header=None)
----> 7 amplitude_r, phase_r, stdDev_r =
      ↳ rebuild_signal(data.iloc[:, 9], Targetfreq, 5e-9, plot=True)
      8 amplitude_t, phase_t, stdDev_t = rebuild_signal(data.iloc[:, 13],
      ↳ Targetfreq, 5e-9, plot=True)
      9 amplitude_p, phase_p, stdDev_p = rebuild_signal(data.iloc[:, 16],
      ↳ Targetfreq, 5e-9, plot=True)

Cell In[277], line 22, in rebuild_signal(data_series, target_freq_hz,
      ↳ timestep_duration, truncate_start, truncate_end, plot)
      18 reduction = 5
      19 reduced_data = reduce_array(truncated_data, reduction)
----> 22 fft_result = fft(truncated_data_array)
      23 fft_frequencies = np.fft.fftfreq(len(truncated_data),
      ↳ d=timestep_duration)
      24 index_target = np.argmin(np.abs(fft_frequencies - target_freq_hz))

NameError: name 'truncated_data_array' is not defined
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10000

[264]: array([284, 293, 290, ..., 277, 273, 279], dtype=int64)

2000

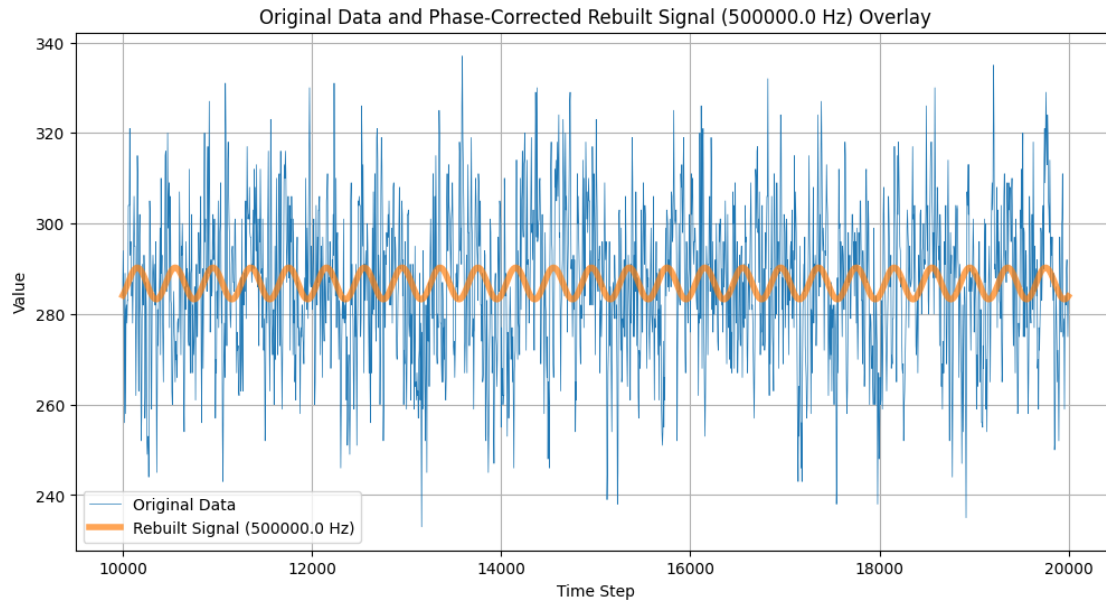
[265]: array([284, 294, 287, ..., 285, 275, 283], dtype=int64)

200000.0

25

2000

[5.0000e-05 5.0025e-05 5.0050e-05 ... 9.9925e-05 9.9950e-05 9.9975e-05]



3.511889665309893
-2.4269020501050576

[269]: (2000,)

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[NbConvertApp] Converting notebook Untitled.ipynb to pdf
[NbConvertApp] Support files will be in Untitled_files\
[NbConvertApp] Making directory .\Untitled_files
[NbConvertApp] Writing 30719 bytes to notebook.tex
[NbConvertApp] Building PDF
[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
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```