project1_pt3_lyap

March 10, 2023

```python
import numpy as np
from scipy.integrate import solve_ivp, odeint
from scipy.fftpack import fft
from scipy.signal import find_peaks, hilbert
from tqdm import tqdm
import matplotlib.pyplot as plt
import pywt
import nolds
import pickle
# Define the FitzHugh-Nagumo model equations
def fitzhugh_nagumo_coupled(t, xy,alpha , w2, a, b, c, k1, k2):
    x, y , x1, y1= xy
    dxdt = alpha*(y + x - (x**3)/3 + (k1 + c*x1))
    dydt = -(1/alpha) * (w2*x - a + b*y)
    dx1dt = alpha*(y1 + x1 - (x1**3)/3 + (k2 + c*x))
    dy1dt = -(1/alpha) * (w2*x1 - a + b*y1)
    return [dxdt, dydt, dx1dt, dy1dt]

alpha = 3
a = 0.7
b = 0.8
w2 = 1
x0 = 0
y0 = 0
x10 = 0
y10 = 0
xy0=[x0, x10, y0, y10]

n =30
c_vals = np.linspace(-0.3,0,num=n)
k1_vals = np.array([-0.3 for i in range(n)])
k2_vals = np.linspace(-0.65,-0.9, num=n)
t_span = [0, 200]
t_eval = np.linspace(0,200,10000)
```

```python
lyap_map_x1 = np.zeros((c_vals.shape[0], k1_vals.shape[0]))
lyap_map_x2 = np.zeros((c_vals.shape[0], k1_vals.shape[0]))
```

```python
for i, c in enumerate(c_vals):
    for j, k2 in tqdm(enumerate(k2_vals)):
        k1 = k1_vals[len(k1_vals)-1-j]
        sol = solve_ivp(fitzhugh_nagumo_coupled, t_span, xy0,
 args=(alpha,w2,a,b,c,k1,k2),t_eval=t_eval,dense_output=True,rtol=1e-8)


        s1 = sol.y[0]
        s2 = sol.y[2]


        # #Apply hamming filter
        # window = np.hamming(s1.shape[0])
        # s1 = s1 * window
        # s2 = s2 * window


        #Calculate R index
        lyap_x1 = nolds.lyap_r(s1)
        lyap_x2 = nolds.lyap_r(s2)


        #Save to response map
        lyap_map_x1[i, j] = lyap_x1
        lyap_map_x2[i, j] = lyap_x2
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0it [00:00, ?it/s]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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8it [00:44,
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24it [02:15,
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27it [02:32,
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10it [01:00,
5.91s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
11it [01:06,
5.89s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
12it [01:12,
5.87s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
13it [01:17,
5.87s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
14it [01:23,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
15it [01:29,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
16it [01:35,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
17it [01:41,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
18it [01:46,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
19it [01:52,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
20it [01:58,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
21it [02:04,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
22it [02:10,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
23it [02:16,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
24it [02:22,
6.03s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
25it [02:28,
6.12s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
26it [02:35,
6.21s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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12

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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
27it [02:41,
6.06s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
28it [02:46,
5.96s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
29it [02:52,
5.88s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
30it [02:58,  5.94s/it]
0it [00:00, ?it/s]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
1it [00:05,
5.76s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
```

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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
2it [00:11,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
3it [00:17,
5.78s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
4it [00:23,
5.76s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
5it [00:28,
5.76s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
6it [00:34,
5.76s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
```

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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
7it [00:40,
5.76s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
8it [00:46,
5.74s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
9it [00:51,
5.76s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
10it [00:57,
5.75s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
11it [01:03,
5.74s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
12it [01:09,
5.74s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
13it [01:14,
5.76s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
14it [01:20,
5.76s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
15it [01:26,
5.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
16it [01:32,
5.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
17it [01:37,
5.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
18it [01:43,
5.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
19it [01:49,
5.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
20it [01:55,
5.75s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
21it [02:00,
5.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
22it [02:06,
5.76s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
23it [02:12,
5.76s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
24it [02:18,
5.78s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
25it [02:24,
5.76s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
26it [02:29,
5.76s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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27it [02:35,
5.76s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
28it [02:41,
5.76s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
29it [02:47,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
30it [02:53,  5.77s/it]
0it [00:00, ?it/s]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
1it [00:05,
5.95s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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2it [00:11,
5.87s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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3it [00:17,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
4it [00:23,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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5it [00:29,
5.79s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
6it [00:34,
5.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
7it [00:40,
5.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
8it [00:46,
5.76s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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    warnings.warn(msg.format(min_tsep), RuntimeWarning)
9it [00:52,
5.75s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
    warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
    warnings.warn(msg.format(min_tsep), RuntimeWarning)
10it [00:57,
5.75s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
    warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
    warnings.warn(msg.format(min_tsep), RuntimeWarning)
11it [01:03,
5.74s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
    warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
    warnings.warn(msg.format(min_tsep), RuntimeWarning)
12it [01:09,
5.73s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
    warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
    warnings.warn(msg.format(min_tsep), RuntimeWarning)
13it [01:14,
5.73s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
    warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
    warnings.warn(msg.format(min_tsep), RuntimeWarning)
14it [01:20,
5.73s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
```

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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
15it [01:26,
5.75s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
16it [01:32,
5.74s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
17it [01:37,
5.74s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
18it [01:43,
5.74s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
19it [01:49,
5.74s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
```

/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
20it [01:55,
5.72s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
21it [02:00,
5.73s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
22it [02:06,
5.74s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
23it [02:12,
5.73s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
24it [02:18,
5.75s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean frequency, setting min_tsep = 2500

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    warnings.warn(msg.format(min_tsep), RuntimeWarning)
25it [02:23,
5.75s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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26it [02:29,
5.74s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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27it [02:35,
5.87s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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28it [02:41,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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29it [02:47,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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30it [02:53,  5.77s/it]
0it [00:00, ?it/s]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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1it [00:05,
5.78s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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2it [00:11,
5.74s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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3it [00:17,
5.97s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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4it [00:24,
6.10s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
5it [00:30,
6.20s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
6it [00:36,
6.05s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
7it [00:42,
6.04s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
8it [00:48,
6.13s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
10it [00:59,
5.73s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
```

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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
11it [01:04,
5.61s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
12it [01:09,
5.51s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
13it [01:15,
5.45s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
14it [01:20,
5.42s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
15it [01:25,
5.39s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
16it [01:31,
5.38s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
```

packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
17it [01:36,
5.34s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
18it [01:41,
5.33s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
19it [01:47,
5.31s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
20it [01:52,
5.34s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
21it [01:57,
5.31s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)

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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
22it [02:02,
5.31s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
23it [02:08,
5.29s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
24it [02:13,
5.27s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
25it [02:18,
5.27s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
26it [02:24,
5.54s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
```

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    warnings.warn(msg.format(min_tsep), RuntimeWarning)
27it [02:31,
5.91s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
    warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
    warnings.warn(msg.format(min_tsep), RuntimeWarning)
28it [02:38,
6.18s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
    warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
    warnings.warn(msg.format(min_tsep), RuntimeWarning)
29it [02:44,
6.10s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
    warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
    warnings.warn(msg.format(min_tsep), RuntimeWarning)
30it [02:50,  5.68s/it]
0it [00:00, ?it/s]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
    warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
    warnings.warn(msg.format(min_tsep), RuntimeWarning)
1it [00:06,
6.27s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
    warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
    warnings.warn(msg.format(min_tsep), RuntimeWarning)
2it [00:12,
6.27s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
```

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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
3it [00:18,
6.19s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
4it [00:24,
6.02s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
5it [00:30,
5.94s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
6it [00:35,
5.87s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
7it [00:41,
5.86s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
```

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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
8it [00:47,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
9it [00:53,
5.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
10it [00:59,
5.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/sklearn/metrics/_regression.py:918: UndefinedMetricWarning: R^2 score
is not well-defined with less than two samples.
  warnings.warn(msg, UndefinedMetricWarning)
11it [01:04,
5.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
12it [01:10,
5.79s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
13it [01:16,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
14it [01:22,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
15it [01:28,
5.86s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
16it [01:34,
5.83s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
17it [01:39,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
```

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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
18it [01:45,
5.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
19it [01:51,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
20it [01:57,
5.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
21it [02:03,
6.00s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
22it [02:10,
6.19s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
23it [02:16,
```

6.16s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
24it [02:22,
6.03s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
25it [02:27,
5.96s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
26it [02:33,
5.91s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
27it [02:39,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
28it [02:45,
5.83s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500

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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
29it [02:51,
6.00s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
30it [02:57,  5.91s/it]
0it [00:00, ?it/s]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
1it [00:05,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
2it [00:11,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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3it [00:17,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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4it [00:23,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
5it [00:29,
5.79s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
6it [00:34,
5.78s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
7it [00:40,
5.78s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
8it [00:46,
5.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
9it [00:52,
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5.99s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
10it [00:58,
5.99s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
11it [01:04,
5.93s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
12it [01:10,
6.03s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
13it [01:16,
5.99s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
14it [01:22,
5.92s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
15it [01:28,
5.88s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
16it [01:34,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
17it [01:39,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
18it [01:45,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
19it [01:51,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
20it [01:57,
5.78s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
21it [02:02,
5.79s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
22it [02:08,
5.76s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
23it [02:14,
5.76s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
24it [02:20,
5.74s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
25it [02:25,
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5.73s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
26it [02:31,
5.73s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
27it [02:37,
5.72s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
28it [02:42,
5.71s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
29it [02:48,
5.73s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
30it [02:54,  5.82s/it]
0it [00:00, ?it/s]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
1it [00:05,
5.75s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
2it [00:11,
5.95s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
3it [00:17,
5.69s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
4it [00:22,
5.54s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
5it [00:27,
5.47s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
6it [00:33,
5.41s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
7it [00:38,
5.39s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
8it [00:43,
5.41s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
9it [00:49,
5.46s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
10it [00:56,
5.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
11it [01:01,
```

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5.67s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
12it [01:06,
5.56s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
13it [01:12,
5.48s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
14it [01:17,
5.42s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
15it [01:22,
5.39s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
16it [01:28,
5.49s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
```

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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
17it [01:34,
5.53s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
18it [01:39,
5.47s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
19it [01:44,
5.45s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
20it [01:50,
5.44s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
21it [01:55,
5.41s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
```

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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
22it [02:00,
5.38s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
23it [02:06,
5.35s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
24it [02:11,
5.46s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
25it [02:17,
5.41s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
26it [02:22,
5.40s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
27it [02:28,
```

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5.51s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
28it [02:34,
5.60s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
29it [02:40,
5.71s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
30it [02:45,  5.52s/it]
0it [00:00, ?it/s]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
1it [00:05,
5.57s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
2it [00:11,
5.57s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
```

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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
3it [00:17,
5.79s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
4it [00:23,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
5it [00:28,
5.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
6it [00:34,
5.78s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
7it [00:40,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
```

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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
8it [00:46,
5.90s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
9it [00:52,
5.95s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
10it [00:58,
6.00s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
11it [01:04,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
12it [01:09,
5.71s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
13it [01:14,
```

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5.61s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
14it [01:20,
5.59s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
15it [01:25,
5.52s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
16it [01:31,
5.45s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
17it [01:36,
5.41s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
18it [01:41,
5.40s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
```

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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
19it [01:47,
5.40s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
20it [01:52,
5.42s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
21it [01:58,
5.41s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
22it [02:03,
5.39s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
23it [02:08,
5.36s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
```

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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
24it [02:14,
5.38s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
25it [02:19,
5.36s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
26it [02:24,
5.37s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
27it [02:30,
5.34s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
28it [02:35,
5.32s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
29it [02:40,
```

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5.32s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
30it [02:45,  5.53s/it]
0it [00:00, ?it/s]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
1it [00:05,
5.37s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
2it [00:10,
5.46s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
3it [00:16,
5.41s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
4it [00:21,
5.39s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
```

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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
5it [00:26,
5.38s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
6it [00:32,
5.36s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
7it [00:37,
5.38s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
8it [00:43,
5.37s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
9it [00:48,
5.35s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
```

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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
10it [00:53,
5.36s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
11it [00:59,
5.33s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
12it [01:04,
5.35s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
13it [01:09,
5.37s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
14it [01:15,
5.43s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
15it [01:21,
```

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5.68s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
16it [01:27,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
17it [01:34,
6.00s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
18it [01:40,
5.99s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
19it [01:46,
5.98s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
20it [01:52,
5.98s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
```

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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
21it [01:57,
5.92s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
22it [02:03,
5.90s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
23it [02:09,
5.87s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
24it [02:15,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
25it [02:21,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
```

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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
26it [02:27,
6.02s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
27it [02:33,
6.01s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
28it [02:39,
5.93s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
29it [02:45,
5.93s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
30it [02:50,  5.69s/it]
0it [00:00, ?it/s]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
1it [00:05,
```

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5.43s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
2it [00:10,
5.44s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
3it [00:16,
5.64s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
4it [00:22,
5.88s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
5it [00:28,
5.79s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
6it [00:34,
5.75s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
7it [00:40,
5.92s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
8it [00:47,
6.23s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
9it [00:54,
6.60s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
10it [01:01,
6.66s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
11it [01:07,
6.50s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
```

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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
12it [01:14,
6.49s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
13it [01:21,
6.67s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
14it [01:29,
6.96s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
15it [01:35,
6.83s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
16it [01:41,
6.62s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
17it [01:49,
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6.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
18it [01:55,
6.65s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
19it [02:02,
6.69s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
20it [02:08,
6.50s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
21it [02:14,
6.37s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
22it [02:20,
6.31s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
```

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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
23it [02:26,
6.25s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
24it [02:32,
6.17s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
25it [02:38,
6.21s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
26it [02:44,
6.12s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
27it [02:52,
6.61s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
```

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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
28it [02:58,
6.36s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
29it [03:03,
6.17s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
30it [03:09,  6.32s/it]
0it [00:00, ?it/s]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
1it [00:05,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
2it [00:11,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
3it [00:17,
```

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5.83s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
4it [00:23,
5.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
5it [00:29,
5.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
6it [00:34,
5.79s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
7it [00:40,
5.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
8it [00:46,
5.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
9it [00:52,
5.79s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
10it [00:57,
5.79s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
11it [01:03,
5.78s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
12it [01:09,
5.79s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
13it [01:15,
5.79s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
14it [01:21,
5.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
15it [01:29,
6.55s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
16it [01:36,
6.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
17it [01:43,
6.69s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
18it [01:49,
6.48s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
19it [01:54,
```

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6.26s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
20it [02:00,
6.10s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
21it [02:06,
5.99s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
22it [02:12,
6.05s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
23it [02:18,
5.99s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
24it [02:24,
5.91s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
```

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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
25it [02:29,
5.87s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
26it [02:35,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
27it [02:41,
5.83s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
28it [02:47,
5.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
29it [02:53,
5.79s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
```

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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
30it [03:00,  6.01s/it]
0it [00:00, ?it/s]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
1it [00:07,
7.36s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
2it [00:14,
7.44s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
3it [00:21,
7.12s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
4it [00:27,
6.60s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
5it [00:33,
```

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6.31s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
6it [00:39,
6.16s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
7it [00:44,
6.03s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
8it [00:50,
5.95s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
9it [00:56,
5.89s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
10it [01:04,
6.63s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
11it [01:10,
6.51s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
12it [01:16,
6.30s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
13it [01:22,
6.24s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
14it [01:28,
5.98s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
15it [01:33,
5.79s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
16it [01:39,
5.75s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
17it [01:46,
6.20s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
18it [01:53,
6.40s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
19it [01:59,
6.31s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
20it [02:05,
6.20s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
21it [02:11,
```

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6.07s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
22it [02:16,
5.99s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
23it [02:22,
5.93s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
24it [02:28,
5.90s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
25it [02:34,
5.88s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
26it [02:40,
5.86s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
```

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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
27it [02:45,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
28it [02:51,
5.83s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
29it [02:57,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
30it [03:03,  6.11s/it]
0it [00:00, ?it/s]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
1it [00:06,
6.10s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
2it [00:12,
6.12s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
3it [00:17,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
4it [00:23,
5.64s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
5it [00:28,
5.54s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
6it [00:33,
5.52s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
7it [00:40,
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5.72s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
8it [00:46,
6.02s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
9it [00:52,
6.04s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
10it [00:59,
6.24s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
11it [01:05,
6.20s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
12it [01:11,
6.04s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
13it [01:16,
5.93s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
14it [01:22,
5.95s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
15it [01:46,
11.20s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
16it [01:52,
9.62s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
17it [01:58,
8.58s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
18it [02:05,
8.19s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
19it [02:11,
7.39s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
20it [02:16,
6.87s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
21it [02:22,
6.44s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
22it [02:27,
6.15s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
23it [02:33,
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5.99s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
24it [02:40,
6.27s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
25it [02:46,
6.22s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
26it [02:52,
6.13s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
27it [02:58,
6.08s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
28it [03:04,
6.04s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
29it [03:10,
5.98s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
30it [03:16,  6.54s/it]
0it [00:00, ?it/s]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
1it [00:05,
5.78s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
2it [00:11,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
3it [00:17,
5.86s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
4it [00:23,
5.83s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
5it [00:29,
5.83s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
6it [00:35,
5.96s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
7it [00:40,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
8it [00:46,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
9it [00:52,
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5.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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10it [00:58,
5.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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11it [01:03,
5.78s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
12it [01:09,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
13it [01:15,
5.67s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
14it [01:20,
5.58s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500

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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
15it [01:26,
5.53s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
16it [01:31,
5.47s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
17it [01:36,
5.46s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
18it [01:42,
5.43s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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19it [01:47,
5.39s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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20it [01:52,
5.37s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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21it [01:58,
5.36s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
22it [02:03,
5.36s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
23it [02:08,
5.34s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
24it [02:14,
5.33s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
25it [02:19,
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5.33s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
26it [02:24,
5.33s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
27it [02:30,
5.34s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
28it [02:35,
5.37s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
29it [02:40,
5.34s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
30it [02:46, 5.54s/it]
0it [00:00, ?it/s]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500

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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
1it [00:05,
5.39s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
2it [00:10,
5.36s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
3it [00:16,
5.63s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
4it [00:23,
6.01s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
5it [00:28,
5.86s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
```

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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
6it [00:34,
5.74s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
7it [00:39,
5.65s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
8it [00:45,
5.59s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
9it [00:50,
5.52s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
10it [00:56,
5.50s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
11it [01:01,
```

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5.48s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
12it [01:06,
5.45s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
13it [01:12,
5.44s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
14it [01:17,
5.42s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
15it [01:23,
5.40s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
16it [01:28,
5.38s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
```

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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
17it [01:33,
5.36s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
18it [01:39,
5.35s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
19it [01:44,
5.38s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
20it [01:49,
5.38s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
21it [01:55,
5.38s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
22it [02:00,
5.36s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
23it [02:05,
5.35s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
24it [02:11,
5.34s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
25it [02:18,
5.79s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
26it [02:23,
5.66s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
27it [02:28,
```

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5.56s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
28it [02:33,
5.47s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
29it [02:39,
5.42s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
30it [02:44,  5.49s/it]
0it [00:00, ?it/s]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
1it [00:05,
5.41s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
2it [00:10,
5.36s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
```

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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
3it [00:16,
5.35s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
4it [00:21,
5.34s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
5it [00:26,
5.33s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
6it [00:32,
5.32s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
7it [00:37,
5.33s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
```

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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
8it [00:42,
5.33s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
9it [00:47,
5.32s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
10it [00:53,
5.31s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
11it [00:58,
5.31s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
12it [01:03,
5.30s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
13it [01:09,
```

```
5.33s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
14it [01:14,
5.32s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
15it [01:19,
5.31s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
16it [01:25,
5.30s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
17it [01:30,
5.30s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
18it [01:35,
5.30s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
```

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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
19it [01:41,
5.37s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
20it [01:49,
6.18s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
21it [01:56,
6.37s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
22it [02:02,
6.22s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
23it [02:07,
5.97s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
```

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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
24it [02:12,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
25it [02:18,
5.69s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
26it [02:23,
5.61s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
27it [02:29,
5.63s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
28it [02:35,
5.70s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
29it [02:41,
```

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5.74s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
30it [02:46,  5.56s/it]
0it [00:00, ?it/s]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
1it [00:05,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
2it [00:11,
5.58s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
3it [00:16,
5.51s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
4it [00:22,
5.46s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
```

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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
5it [00:27,
5.45s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
6it [00:32,
5.46s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
7it [00:38,
5.44s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
8it [00:43,
5.41s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
9it [00:49,
5.39s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
```

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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
10it [00:54,
5.37s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
11it [00:59,
5.37s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
12it [01:07,
6.02s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
13it [01:13,
6.09s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
14it [01:19,
5.99s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
15it [01:24,
```

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5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
16it [01:30,
5.73s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
17it [01:36,
5.95s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
18it [01:43,
6.15s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
19it [01:49,
6.14s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
20it [01:55,
6.00s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
```

```
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
21it [02:00,
5.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
22it [02:05,
5.69s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
23it [35:24,
603.69s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
24it [35:30,
424.42s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
25it [1:50:55,
1654.69s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
```

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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
26it [1:51:02,
1160.33s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
27it [1:51:08, 813.96s/it]
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
28it [1:51:13,
571.46s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
29it [1:51:19,
401.74s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
30it [1:51:25, 222.84s/it]
0it [00:00, ?it/s]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
1it [00:05,
```

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5.76s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
2it [00:11,
5.75s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
3it [00:17,
5.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
4it [00:23,
5.76s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
5it [00:28,
5.76s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
6it [00:34,
5.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
```

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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
7it [00:40,
5.76s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
8it [00:46,
5.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
9it [00:51,
5.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
10it [00:57,
5.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
11it [01:03,
5.75s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
```

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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
12it [01:09,
5.75s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
13it [01:14,
5.76s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
14it [01:20,
5.75s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
15it [01:26,
5.76s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
16it [01:32,
5.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
17it [01:37,
```

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5.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
18it [01:43,
5.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
19it [01:49,
5.76s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
20it [01:55,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
21it [02:01,
5.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
22it [02:06,
5.79s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
```

```
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
23it [02:12,
5.79s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
24it [02:18,
5.78s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
25it [02:24,
5.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
26it [02:30,
5.78s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
27it [02:35,
5.78s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
```

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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
28it [02:41,
5.78s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
29it [02:47,
5.78s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
30it [02:53,  5.77s/it]
0it [00:00, ?it/s]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
1it [00:05,
5.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
2it [00:11,
5.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
3it [00:17,
```

```
5.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
4it [00:23,
5.79s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
5it [00:28,
5.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
6it [00:34,
5.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
7it [00:40,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
8it [00:46,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
9it [00:52,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
10it [00:58,
5.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
11it [01:03,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
12it [01:09,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
13it [01:15,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
14it [01:21,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
15it [01:27,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
16it [01:33,
5.99s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
17it [01:39,
5.96s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
18it [01:45,
5.93s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
19it [01:51,
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5.91s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
20it [01:57,
5.90s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
21it [02:02,
5.88s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
22it [02:08,
5.86s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
23it [02:14,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
24it [02:20,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
25it [02:26,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
26it [02:32,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
27it [02:37,
5.83s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
28it [02:43,
5.83s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
29it [02:49,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
30it [02:55,  5.84s/it]
0it [00:00, ?it/s]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
1it [00:05,
5.88s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
2it [00:11,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
3it [00:17,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
4it [00:23,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
5it [00:29,
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5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
6it [00:35,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
7it [00:40,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
8it [00:46,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
9it [00:52,
5.83s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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10it [00:58,
5.87s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
11it [01:04,
5.86s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
12it [01:10,
5.86s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
13it [01:16,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
14it [01:21,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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15it [01:27,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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frequency, setting min_tsep = 2500
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16it [01:33,
5.86s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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17it [01:39,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
18it [01:45,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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19it [01:51,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
20it [01:56,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
21it [02:02,
```

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5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
22it [02:08,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
23it [02:14,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
24it [02:20,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
25it [02:26,
5.86s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
26it [02:32,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
```

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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
27it [02:37,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
28it [02:43,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
29it [02:49,
5.83s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
30it [02:55,  5.85s/it]
0it [00:00, ?it/s]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
1it [00:05,
5.92s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
```

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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
2it [00:11,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
3it [00:17,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
4it [00:23,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
5it [00:29,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
6it [00:34,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
7it [00:40,
```

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5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
8it [00:46,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
9it [00:52,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
10it [00:58,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
11it [01:04,
5.83s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
12it [01:09,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
```

```
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
13it [01:15,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
14it [01:21,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
15it [01:27,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
16it [01:33,
5.83s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
17it [01:38,
5.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
```

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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
18it [01:44,
5.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
19it [01:50,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
20it [01:56,
5.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
21it [02:02,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
22it [02:07,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
23it [02:13,
```

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5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
24it [02:19,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
25it [02:25,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
26it [02:31,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
27it [02:36,
5.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
28it [02:42,
5.83s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
```

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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
29it [02:48,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
30it [02:54,  5.82s/it]
0it [00:00, ?it/s]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
1it [00:05,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
2it [00:11,
5.87s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
3it [00:17,
5.91s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
4it [00:23,
5.87s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
5it [00:29,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
6it [00:35,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
7it [00:40,
5.83s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
8it [00:46,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
9it [00:52,
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5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
10it [00:58,
5.86s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
11it [01:04,
5.86s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
12it [01:10,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
13it [01:16,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
14it [01:21,
5.83s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
15it [01:27,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
16it [01:33,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
17it [01:39,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
18it [01:45,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
19it [01:51,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
20it [01:56,
5.83s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
21it [02:02,
5.83s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
22it [02:08,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
23it [02:14,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
24it [02:20,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
25it [02:26,
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5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
26it [02:31,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
27it [02:37,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
28it [02:43,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
29it [02:49,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
30it [02:55,  5.84s/it]
0it [00:00, ?it/s]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
1it [00:05,
5.86s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
2it [00:11,
5.87s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
3it [00:17,
5.86s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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4it [00:23,
5.86s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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5it [00:29,
5.86s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
6it [00:35,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
7it [00:40,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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8it [00:46,
5.88s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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9it [00:52,
5.87s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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10it [00:58,
5.87s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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11it [01:04,
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5.86s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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12it [01:10,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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13it [01:16,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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14it [01:22,
5.86s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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16it [01:33,
5.83s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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17it [01:39,
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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18it [01:45,
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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19it [01:52,
6.09s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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20it [01:57,
5.99s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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21it [02:03,
5.93s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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22it [02:09,
5.88s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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23it [02:15,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
24it [02:20,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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25it [02:26,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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26it [02:32,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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27it [02:38,
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5.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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28it [02:44,
5.79s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
29it [02:49,
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
30it [02:55,  5.85s/it]
0it [00:00, ?it/s]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
1it [00:05,
5.76s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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2it [00:11,
5.78s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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3it [00:17,
5.79s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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4it [00:23,
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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5it [00:28,
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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6it [00:34,
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7it [00:40,
5.79s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
8it [00:46,
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
9it [00:52,
6.01s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
10it [00:58,
6.07s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
11it [01:05,
6.06s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
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12it [01:10,
6.01s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
13it [01:16,
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5.96s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
14it [01:22,
5.95s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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15it [01:28,
5.91s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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16it [01:34,
5.89s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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17it [01:40,
5.87s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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18it [01:46,
5.87s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
19it [01:51,
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packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
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20it [01:57,
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21it [02:03,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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22it [02:09,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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24it [02:21,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
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28it [02:44,
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29it [02:50,
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30it [02:56,  5.87s/it]
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3it [00:17,
5.91s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
4it [00:23,
5.88s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
```

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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
5it [00:29,
5.87s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
6it [00:35,
5.86s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
7it [00:41,
5.86s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
8it [00:46,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
9it [00:52,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
```

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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
10it [00:58,
5.86s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
11it [01:04,
5.86s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
12it [01:10,
5.86s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
13it [01:16,
5.86s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
14it [01:22,
5.86s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
15it [01:27,
```

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5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
16it [01:33,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
17it [01:39,
5.87s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
18it [01:45,
5.86s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
19it [01:51,
5.86s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
20it [01:57,
5.86s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
```

```
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
21it [02:03,
5.86s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
22it [02:08,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
23it [02:14,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
24it [02:20,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
25it [02:26,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
```

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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
26it [02:32,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
27it [02:38,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
28it [02:43,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
29it [02:49,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
30it [02:55,  5.85s/it]
0it [00:00, ?it/s]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
1it [00:05,
```

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5.87s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
2it [00:11,
5.93s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
3it [00:17,
5.89s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
4it [00:23,
5.87s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
5it [00:29,
6.07s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
6it [00:37,
6.42s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
```

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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
7it [00:42,
6.24s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
8it [00:48,
6.09s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
9it [00:54,
6.00s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
10it [01:00,
5.95s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
11it [01:06,
5.91s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
```

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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
12it [01:11,
5.87s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
13it [01:17,
5.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
14it [01:23,
5.83s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
15it [01:29,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
16it [01:35,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
17it [01:40,
```

```
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
18it [01:46,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
19it [01:52,
5.83s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
20it [01:58,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
21it [02:04,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
22it [02:09,
5.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
```

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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
23it [02:15,
5.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
24it [02:21,
5.83s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
25it [02:27,
5.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
26it [02:33,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
27it [02:39,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
```

```
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
28it [02:44,
5.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
29it [02:50,
5.79s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
30it [02:56,  5.88s/it]
0it [00:00, ?it/s]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
1it [00:05,
5.76s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
2it [00:11,
5.78s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
3it [00:17,
```

```
5.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
4it [00:23,
5.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
5it [00:29,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
6it [00:34,
5.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
7it [00:40,
5.79s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
8it [00:46,
5.79s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
```

```
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
9it [00:52,
5.78s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
10it [00:57,
5.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
11it [01:03,
5.79s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
12it [01:09,
5.78s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
13it [01:15,
5.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
```

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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
14it [01:20,
5.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
15it [01:26,
5.78s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
16it [01:32,
5.78s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
17it [01:38,
5.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
18it [01:44,
5.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
19it [01:49,
```

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5.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
20it [01:55,
5.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
21it [02:01,
5.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
22it [02:07,
5.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
23it [02:12,
5.78s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
24it [02:18,
5.78s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
```

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  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
25it [02:24,
5.79s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
26it [02:30,
5.79s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
27it [02:36,
5.78s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
28it [02:41,
5.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
29it [02:47,
5.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
```

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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
30it [02:53,  5.78s/it]
0it [00:00, ?it/s]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
1it [00:04,
4.01s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
2it [00:07,
3.98s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
3it [00:11,
3.90s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
```

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slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
4it [00:15,
3.89s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
5it [00:19,
3.86s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
6it [00:23,
3.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
7it [00:27,
3.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
```

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frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
8it [00:30,
3.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
9it [00:34,
3.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
10it [00:38,
3.83s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
```

```
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
11it [00:42,
3.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
12it [00:46,
3.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
13it [00:50,
3.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
14it [00:53,
3.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
```

```
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
15it [00:57,
3.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
16it [01:01,
3.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
17it [01:05,
3.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
18it [01:09,
3.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
```

```
    warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
19it [01:12,
3.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
20it [01:16,
3.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
21it [01:20,
3.83s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
```

```
22it [01:24,
3.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
23it [01:28,
3.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
24it [01:32,
3.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
25it [01:35,
3.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
```

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/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
26it [01:39,
3.83s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
27it [01:43,
3.83s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
28it [01:47,
3.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
29it [01:51,
3.83s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
```

```
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
30it [01:54,  3.83s/it]
0it [00:00, ?it/s]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
1it [00:03,
3.79s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
2it [00:07,
3.78s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
3it [00:11,
```

3.78s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
4it [00:15,
3.77s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
5it [00:18,
3.78s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
6it [00:22,
3.79s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-

packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
7it [00:26,
3.79s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
8it [00:30,
3.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
9it [00:34,
3.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
10it [00:37,
3.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-

```
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
11it [00:41,
3.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
12it [00:45,
3.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
13it [00:49,
3.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
14it [00:53,
3.80s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
```

packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
15it [00:56,
3.81s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
16it [01:00,
3.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
17it [01:04,
3.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean

```
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
18it [01:08,
3.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
19it [01:12,
3.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
20it [01:16,
3.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
21it [01:20,
3.85s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
```

```
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
22it [01:23,
3.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
23it [01:27,
3.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
24it [01:31,
3.83s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
25it [01:35,
3.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
```

```
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
26it [01:39,
3.84s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
27it [01:43,
3.83s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
28it [01:46,
3.83s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
  warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
```

```
    warnings.warn(msg.format(min_tsep), RuntimeWarning)
29it [01:50,
3.82s/it]/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
    warnings.warn(msg.format(min_tsep), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:268: RuntimeWarning: autocorrelation declined too
slowly to find suitable lag, setting lag to 552
    warnings.warn(msg.format(lag), RuntimeWarning)
/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
    warnings.warn(msg.format(min_tsep), RuntimeWarning)
30it [01:54,  3.82s/it]
```

```python
with open("lyapmapx1.pkl", 'wb') as f:
    pickle.dump(lyap_map_x1, f)

with open("lyapmapx2.pkl", 'wb') as f:
    pickle.dump(lyap_map_x2, f)
```

```python
lyap_map_x1
```

```
array([[-6.10830909e-04,  2.08362511e-04,  4.95202021e-04,
         6.78591979e-04,  1.22517870e-04,  8.00782508e-05,
        -3.27762805e-04,  1.33114261e-05,  2.98418650e-05,
         7.08755325e-05,  1.29737435e-04,  5.52097837e-04,
        -6.45348900e-04,  3.95564718e-04,  3.75215446e-04,
         2.38260828e-04, -3.00794257e-04,  2.40286849e-04,
         3.11661434e-05,  7.20432826e-05,  9.24580237e-05,
         4.18550090e-04, -1.82268666e-04,  2.43420350e-04,
         5.19682949e-04,  1.13309380e-03, -3.39642145e-04,
         3.11570598e-04,  7.22779726e-04, -1.91689374e-04],
       [ 2.03882411e-03,  7.10097014e-04,  2.78220334e-04,
        -2.58295676e-04, -6.10950298e-04,  2.59831436e-04,
         6.92566673e-05, -1.97920766e-05, -1.85200304e-04,
        -3.15259991e-04, -1.97208376e-04, -5.90852329e-05,
         3.42062541e-05,  4.25437698e-04, -6.68576785e-05,
         7.07014668e-05,  2.00581969e-04,  3.84642797e-04,
        -1.42834935e-04,  3.13105352e-04,  3.26026950e-04,
         8.40153694e-05,  5.52221767e-04,  7.91443918e-04,
         3.44352395e-04, -1.86647688e-05,  6.58599954e-04,
         6.81590675e-04,  1.12280702e-03,  2.40429900e-04],
       [ 2.94766928e-04,  3.82545415e-04,  2.91693838e-04,
         1.17592489e-03,  1.53395395e-03,  1.60871768e-04,
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          1.37807900e-02,  1.37808029e-02,  1.37807923e-02,
          1.37807884e-02,  1.37808149e-02,  1.37807834e-02]])
```

```python
K = []
C = []
for i, c in tqdm(enumerate(c_vals)):
    C.append(c)
```

```python
for j, k2 in enumerate(k2_vals):
    K.append((k2+0.3)/(-0.3))


# plt.imshow(Rmap, cmap='viridis', origin='lower', aspect='auto',)
fig, ax = plt.subplots()
im = ax.imshow(lyap_map_x1, cmap='viridis', origin='lower', aspect='auto',)

# Set tick labels
ax.set_xticks(np.arange(len(C)))
ax.set_yticks(np.arange(len(K)))
ax.set_xticklabels([f"{c:.3f}" for c in C])
ax.set_yticklabels([f"{k:.3f}" for k in K])

plt.setp(ax.get_xticklabels(), rotation=45, ha="right", rotation_mode="anchor")
cbar = ax.figure.colorbar(im, ax=ax)
cbar.ax.set_ylabel('Data', rotation=-90, va="bottom")

# Add axis labels
ax.set_xlabel('C')
ax.set_ylabel('(k1-k2)/k1')
ax.set_title("Response map for lyap_r x1")
# Show plot
plt.show()
```
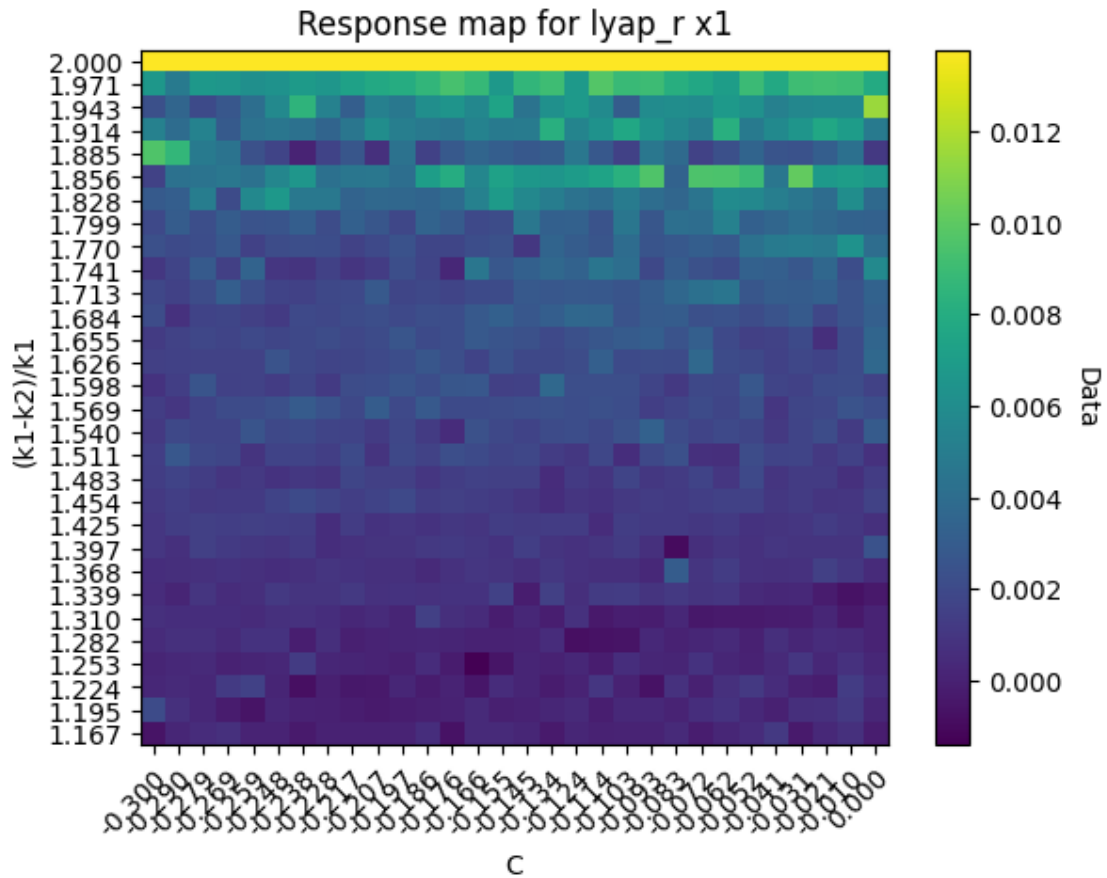
30it [00:00, 105296.33it/s]

Response map for lyap_r x1

```
K = []
C = []
for i, c in tqdm(enumerate(c_vals)):
    C.append(c)
# for j, k2 in enumerate(k2_vals):
#     K.append((k2+0.3)/(-0.3))
for k2 in k2_vals:
    K.append(k2)

# plt.imshow(Rmap, cmap='viridis', origin='lower', aspect='auto',)
fig, ax = plt.subplots()
im = ax.imshow(lyap_map_x2, cmap='viridis', origin='lower', aspect='auto',)

# Set tick labels
ax.set_xticks(np.arange(len(C)))
ax.set_yticks(np.arange(len(K)))
ax.set_xticklabels([f"{c:.3f}" for c in C])
ax.set_yticklabels([f"{k:.3f}" for k in K])
```
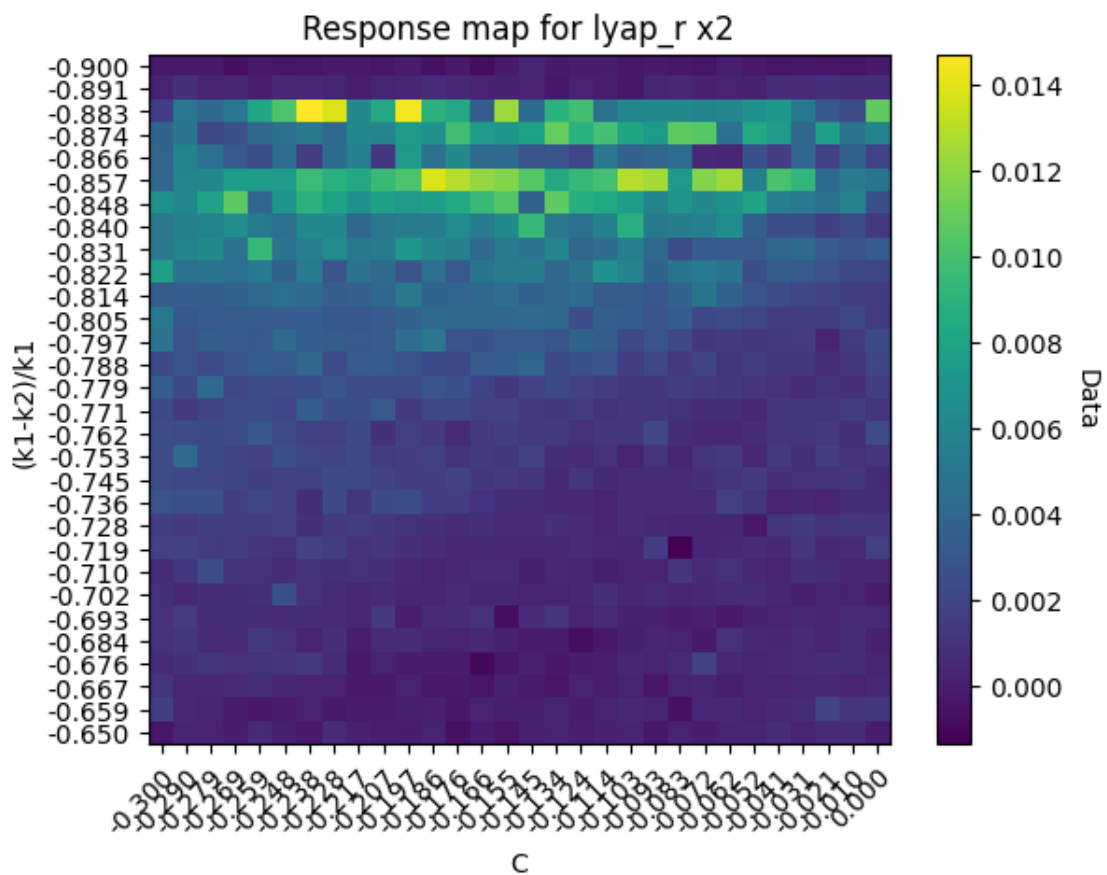
```python
plt.setp(ax.get_xticklabels(), rotation=45, ha="right", rotation_mode="anchor")
cbar = ax.figure.colorbar(im, ax=ax)
cbar.ax.set_ylabel('Data', rotation=-90, va="bottom")

# Add axis labels
ax.set_xlabel('C')
ax.set_ylabel('(k1-k2)/k1')
ax.set_title("Response map for lyap_r x2")
# Show plot
plt.show()
```

30it [00:00, 447790.46it/s]

Response map for lyap_r x2

```python
k1 = -0.3
k2 = -0.872
c = -0.200
# k1 = -0.3
```

```
# k2 = -0.68
# c = -0.3
sol = solve_ivp(fitzhugh_nagumo_coupled, t_span, xy0,
 ↪args=(alpha,w2,a,b,c,k1,k2), t_eval=t_eval, dense_output=True,rtol=1e-8)
t = sol.t
s1 = sol.y[0]
s2 = sol.y[2]
```

[ ]:
```
nolds.lyap_r(s1)
```

/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)

[ ]: 0.001075388972920503

[ ]:
```
nolds.lyap_r(s2)
```

/Users/timgu/opt/anaconda3/envs/ece1786/lib/python3.8/site-
packages/nolds/measures.py:240: RuntimeWarning: signal has very low mean
frequency, setting min_tsep = 2500
  warnings.warn(msg.format(min_tsep), RuntimeWarning)

[ ]: 0.0003521320515108973

[ ]:
```
# plt.plot(t[0:100], (np.abs(np.fft.fft(v))**2)[0:100])
plt.plot(t, s1)
plt.plot(t, s2)
plt.xlabel('t')
plt.ylabel('v')
plt.show()
```