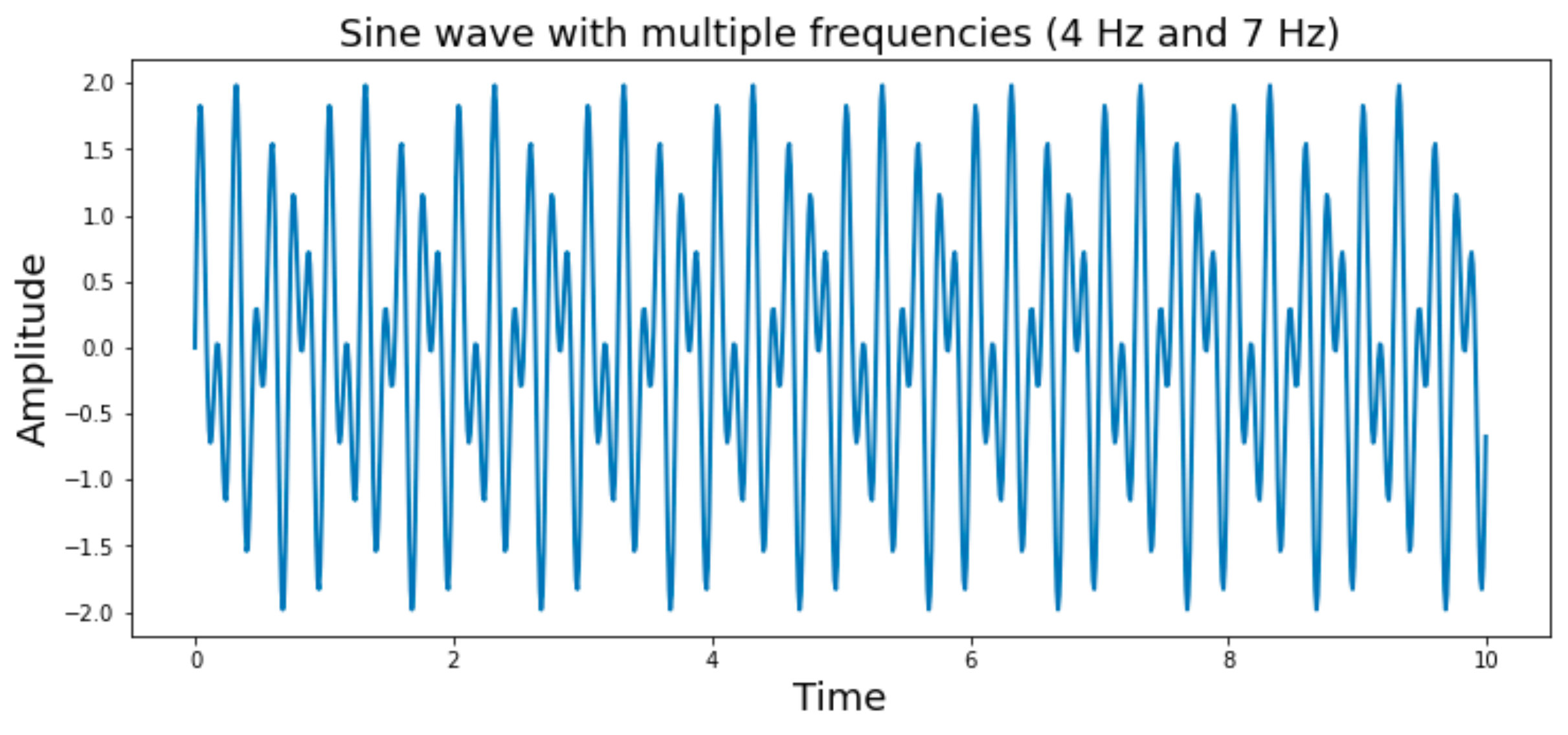
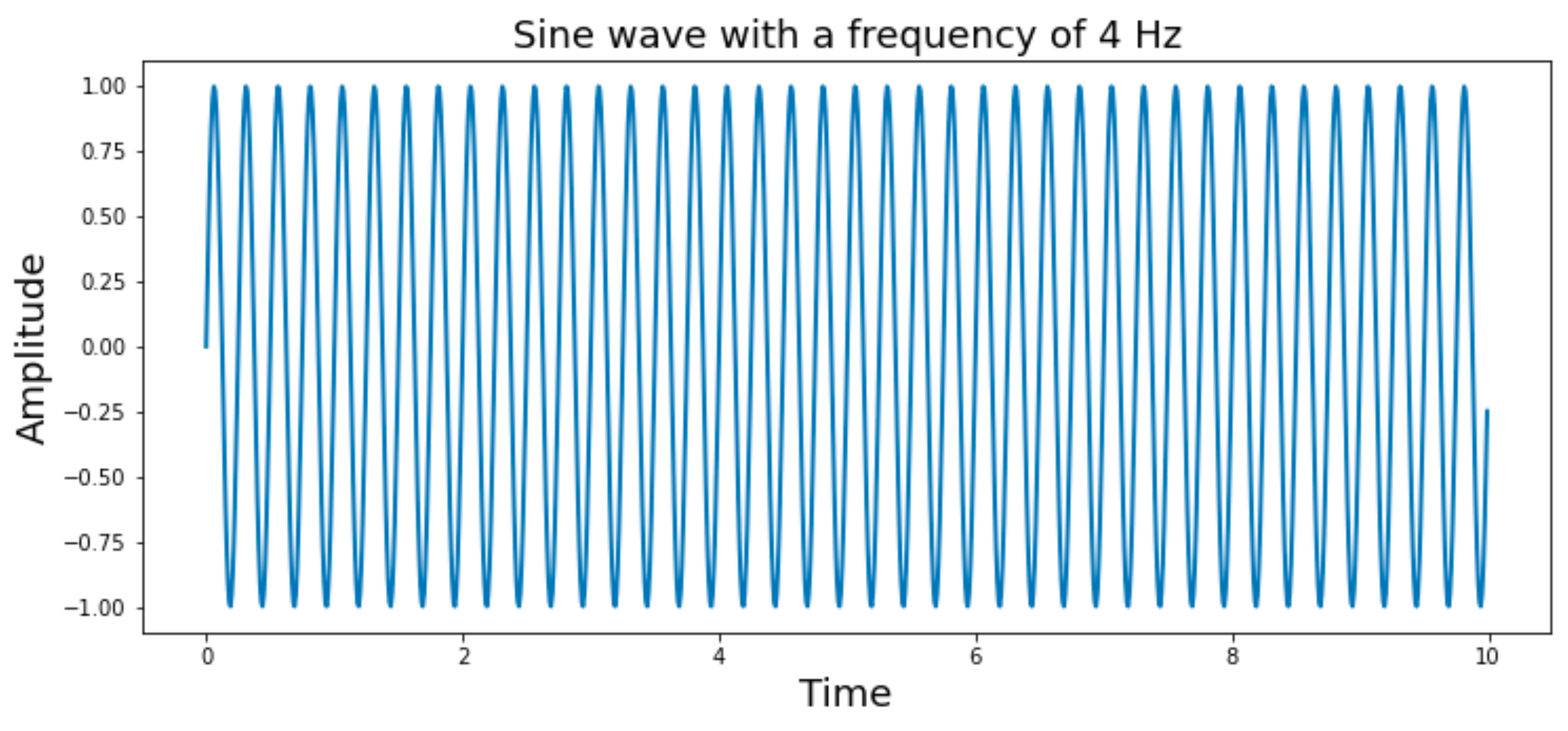
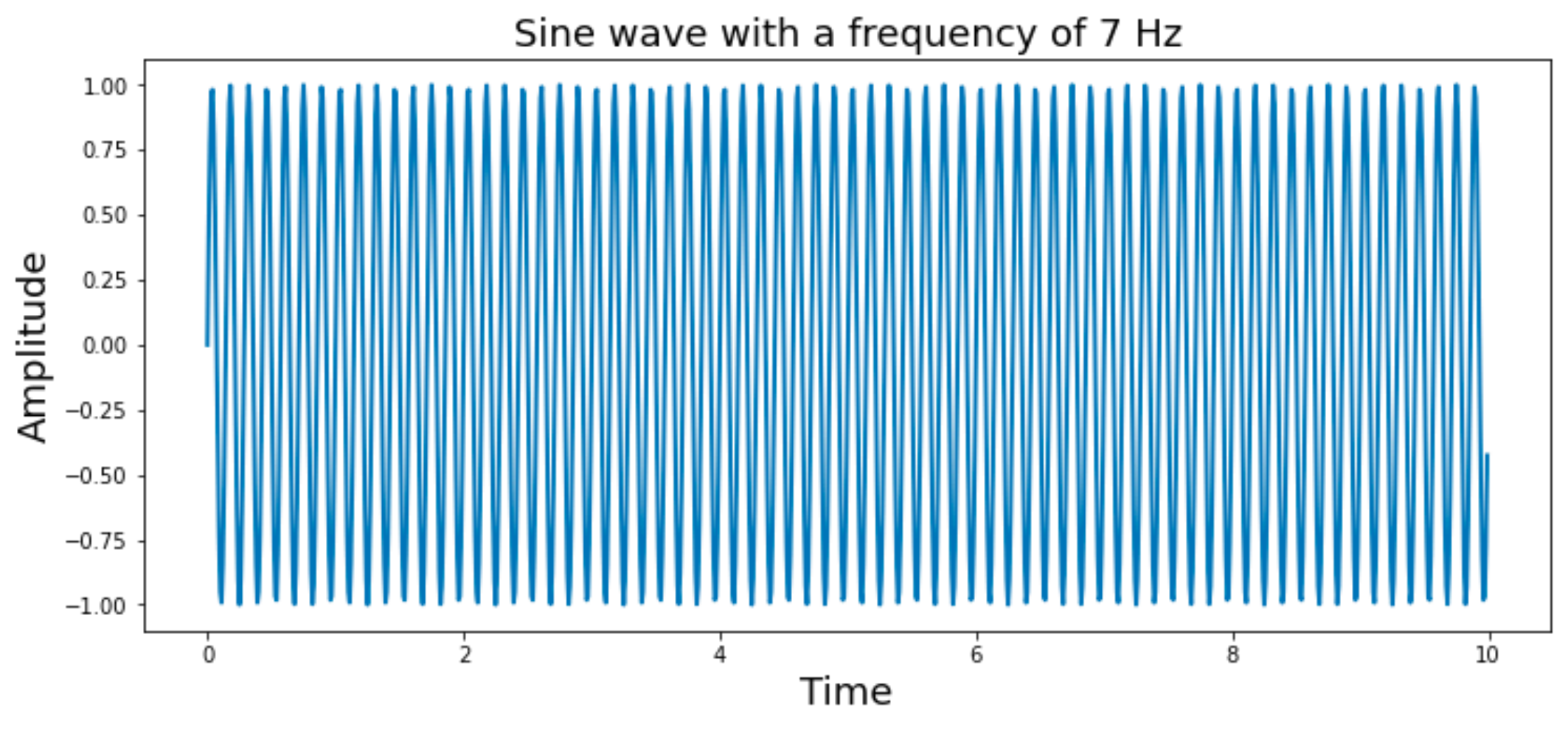
A signal in time domain

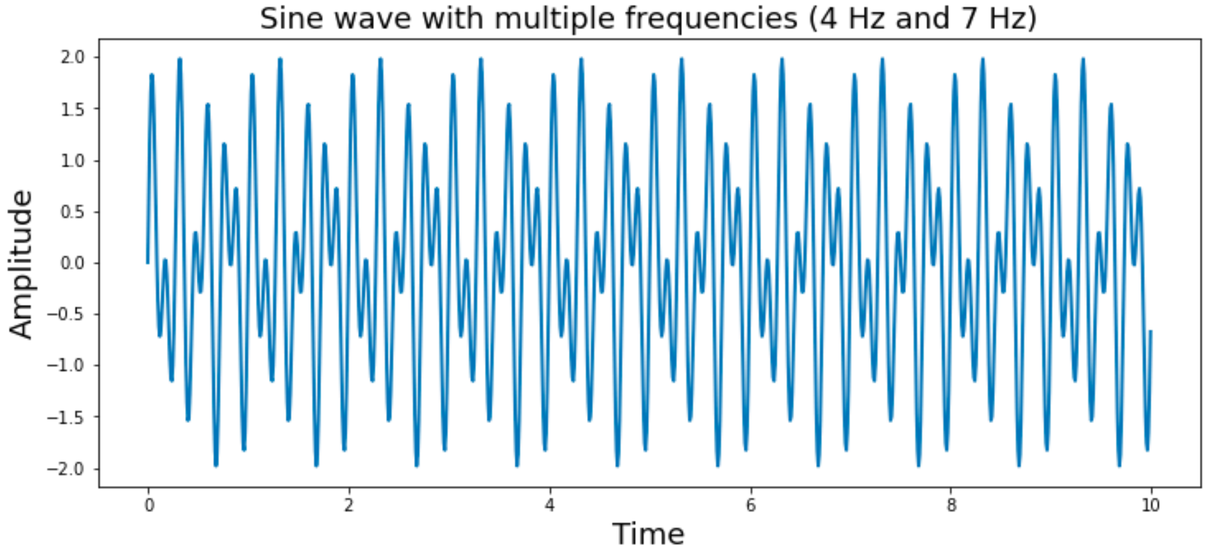
15

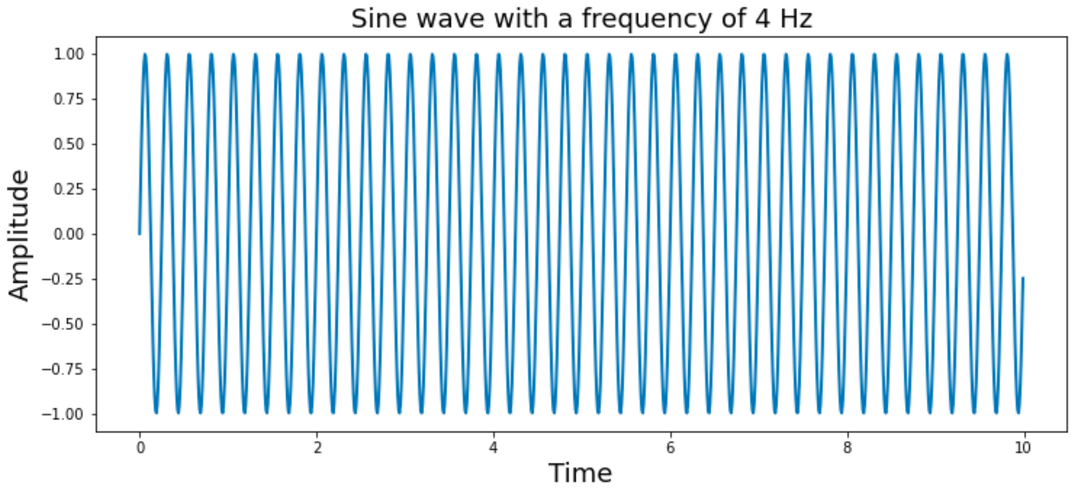

Sine wave with multiple frequencies (4 Hz and 7 Hz)
Amplitude
Time
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
−2.0
0
2
4
6
8
10

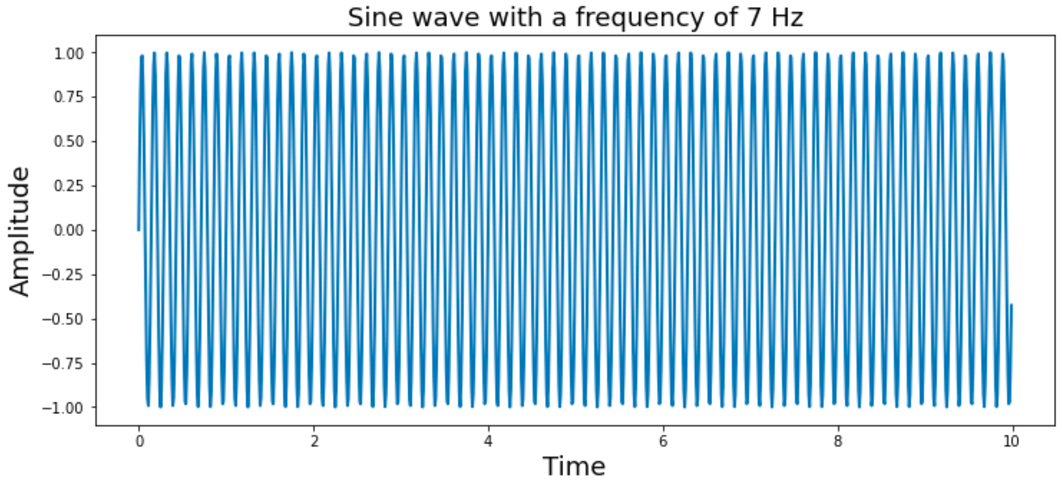

Sine wave with a frequency of 4 Hz
Amplitude
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75
−1.00
0
2
4
6
8
10
Time


Sine wave with a frequency of 7 Hz
Amplitude
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75
−1.00
0
2
4
6
8
10
Time

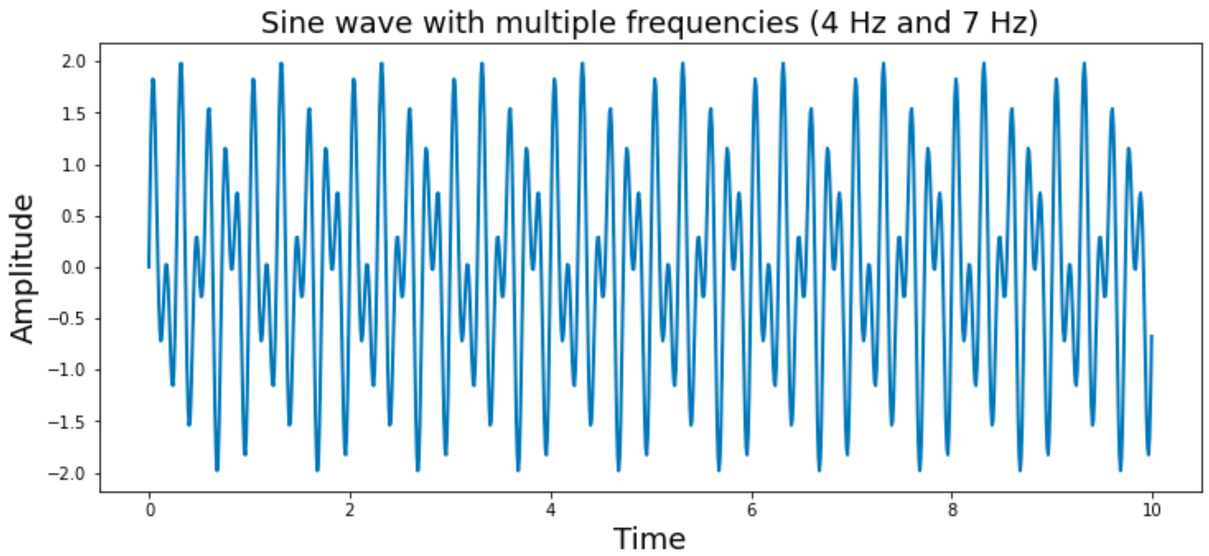
A signal in time domain







Frequency-domain representation



https://colab.research.google.com/drive/19QWtZSbgWl5XkzST5c37GmE5bM50yRFP?usp=sharing