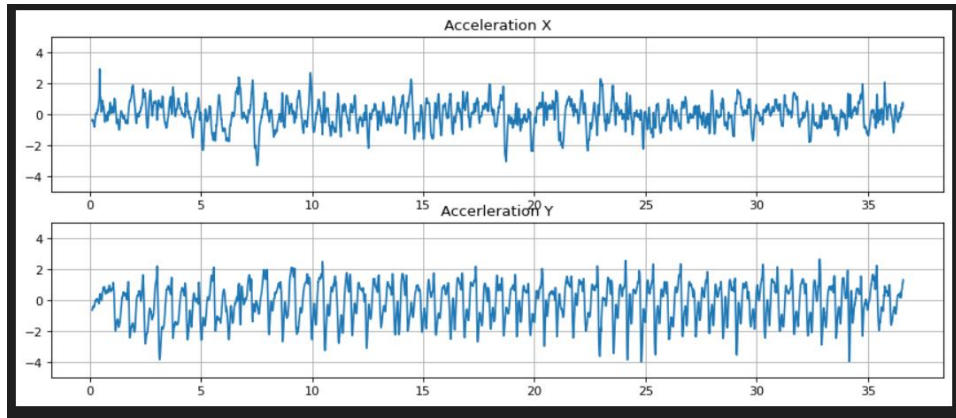
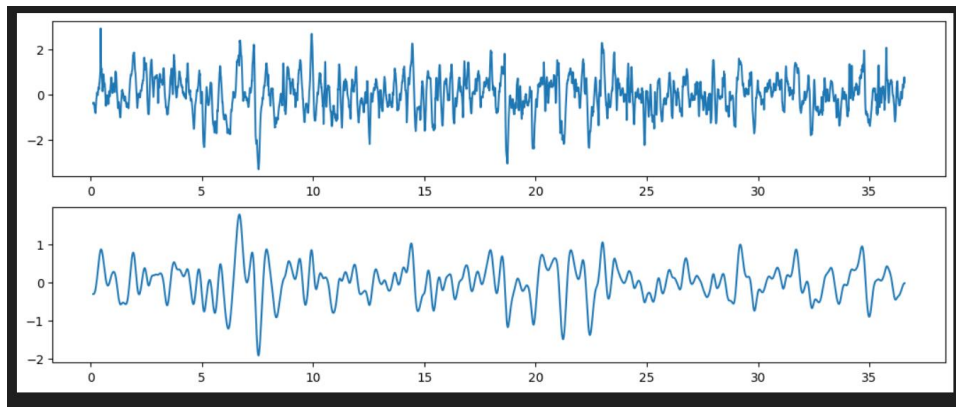


Physics Assignment 4 / Tomoko Takami

- Graph of the selected acceleration component



- Graph of filtered data



- The number of steps calculated by the program and its comparison with your own calculation

```
stepdata = final_signal
step = 0
for i in range(len(stepdata)-1):
    if stepdata[i]/stepdata[i+1] < 0 :
        step = step + 0.5
print(step)
```

8] ✓ 6.7s

48.0

- Your own reflection on the method and its reliability

The actual steps were 50. I think the calculation is close enough to real data.