



```

x: [0.8, 7.6, 14.0, 21.0, 27.6, 34.2, 41.0, 47.2, 54.3, 61.0, 67.0]
y: [20.8, 13.9, 8.9, 5.1, 3.4, 3.1, 5.0, 8.5, 13.5, 18.9, 26.8]
vx: [6.8, 6.4, 7.0, 6.6, 6.6, 6.8, 6.2, 7.1, 6.7, 6.0]
vy: [-6.9, -5.0, -3.8, -1.7, -0.3, 1.9, 3.5, 5.0, 5.4, 7.9]
ay: [1.9, 1.2, 2.1, 1.4, 2.2, 1.6, 1.5, 0.4, 2.5]
x-t: x = 6.6481818181818175 * t + 0.9136363636363705
x-t: y = 0.8160839160839166 * t^2 + -7.504475524475527 * t + 20.586713286713298
vx-t: vx = -0.03393939393939427 * t + 6.789696969696973
vy-t: vy = 1.6230303030303035 * t + -7.515151515151515
ay-t: ay = -0.016666666666666777 * t + 1.7277777777777778
average of ay: 1.6444444444444446 cm/T^2
g = 9.472000000000001 m/s^2
E = 3.277851526600613%

```