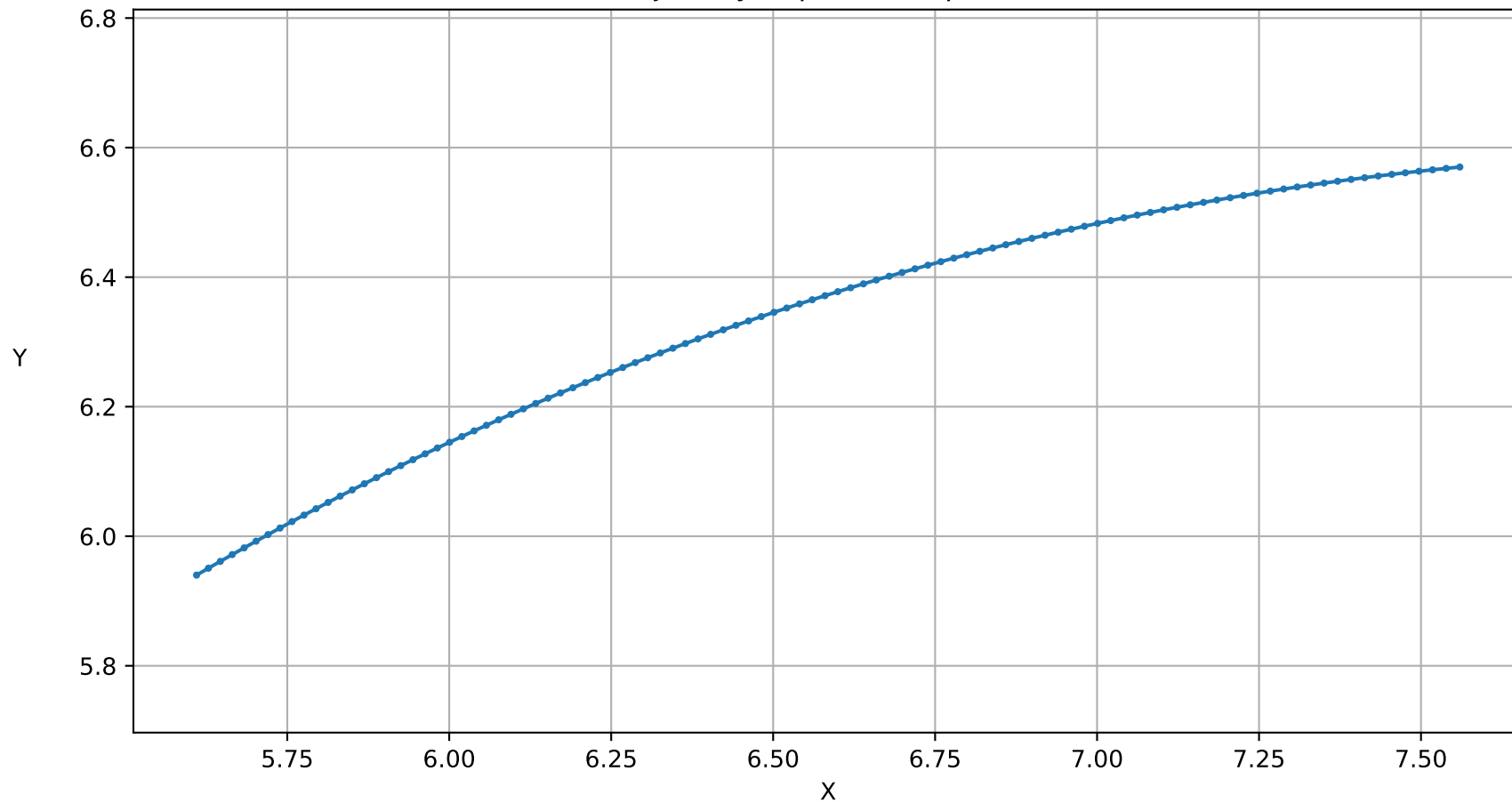
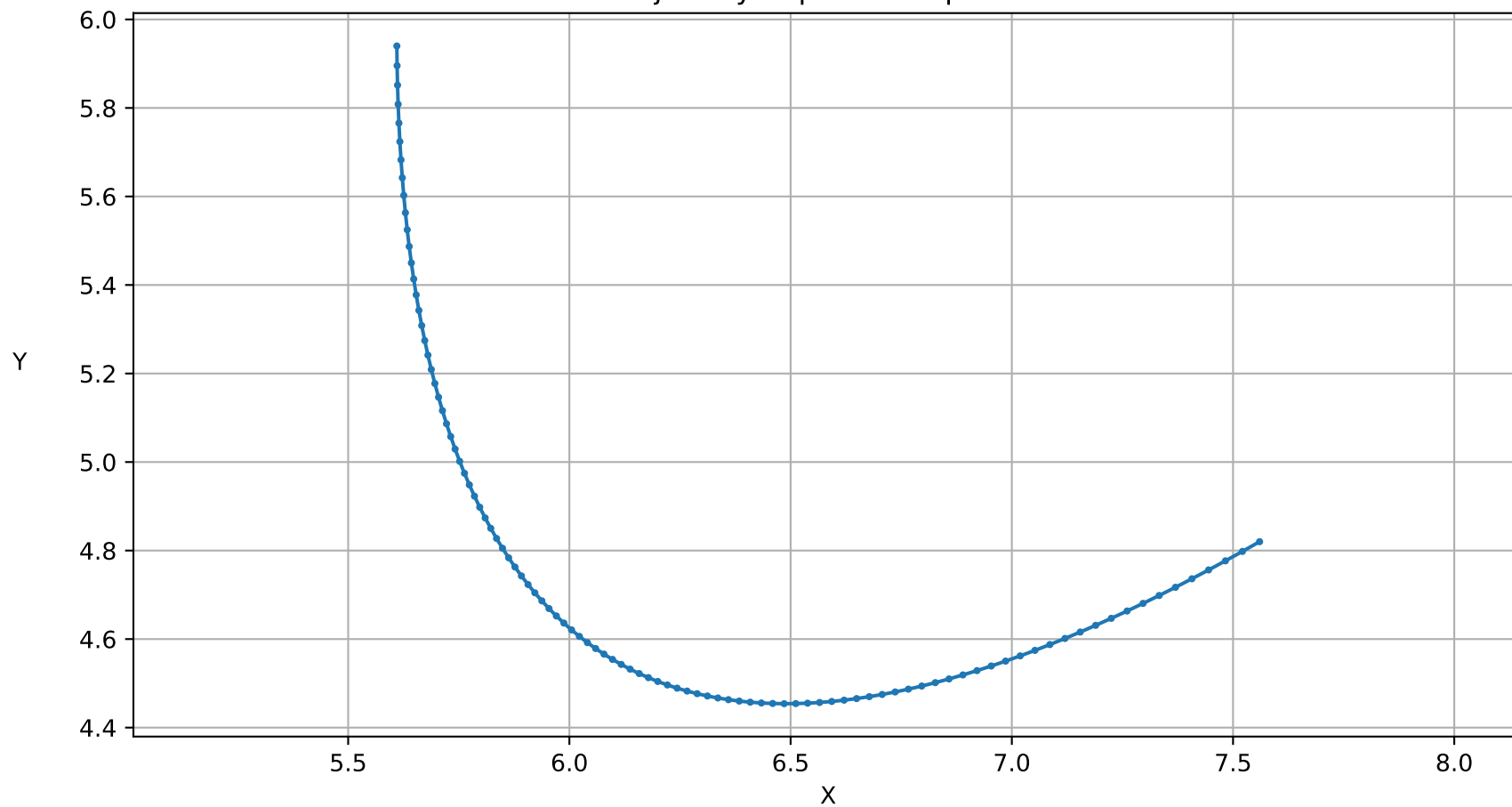


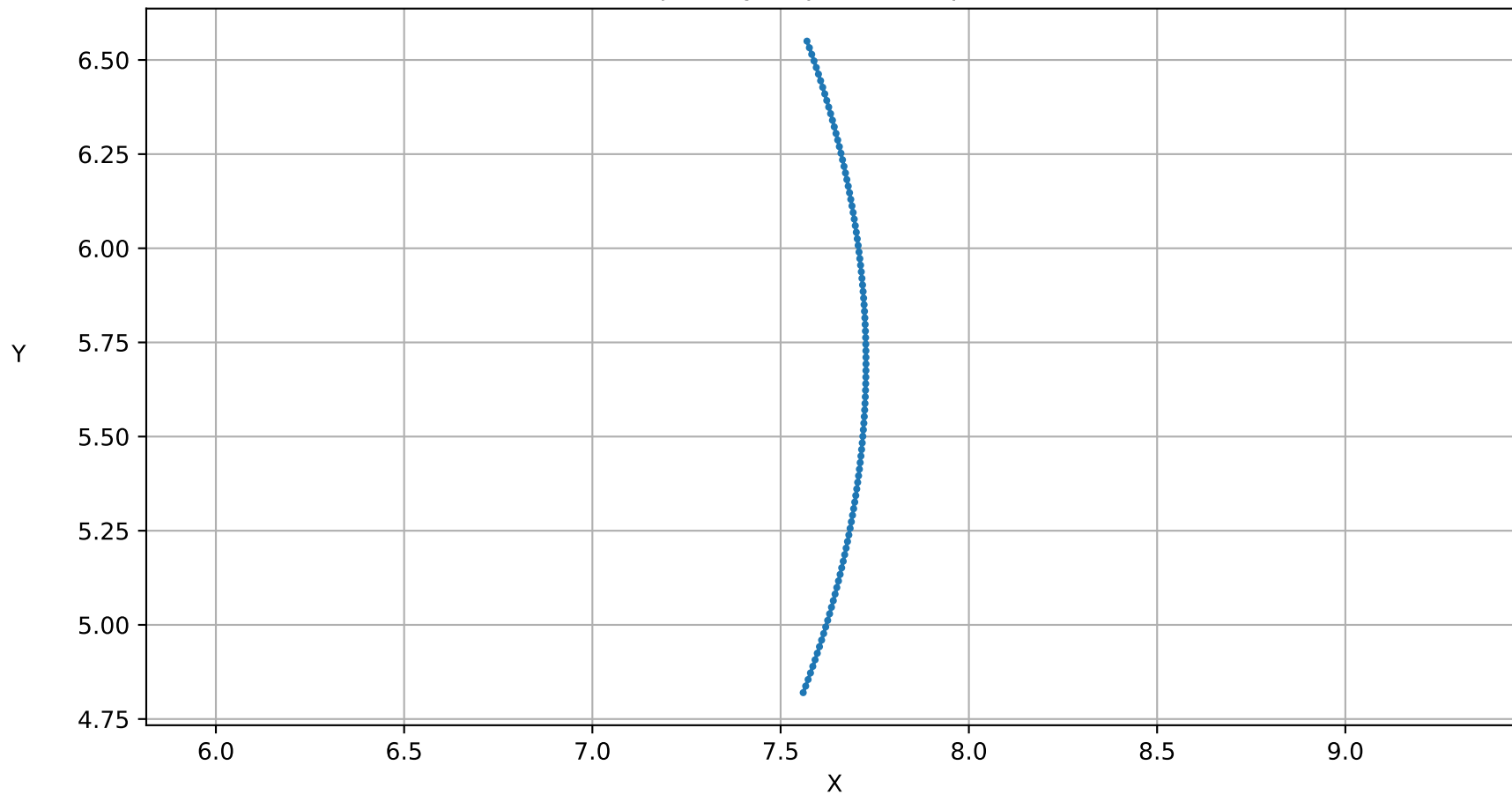
Trajectory 1: point 0 to point 1



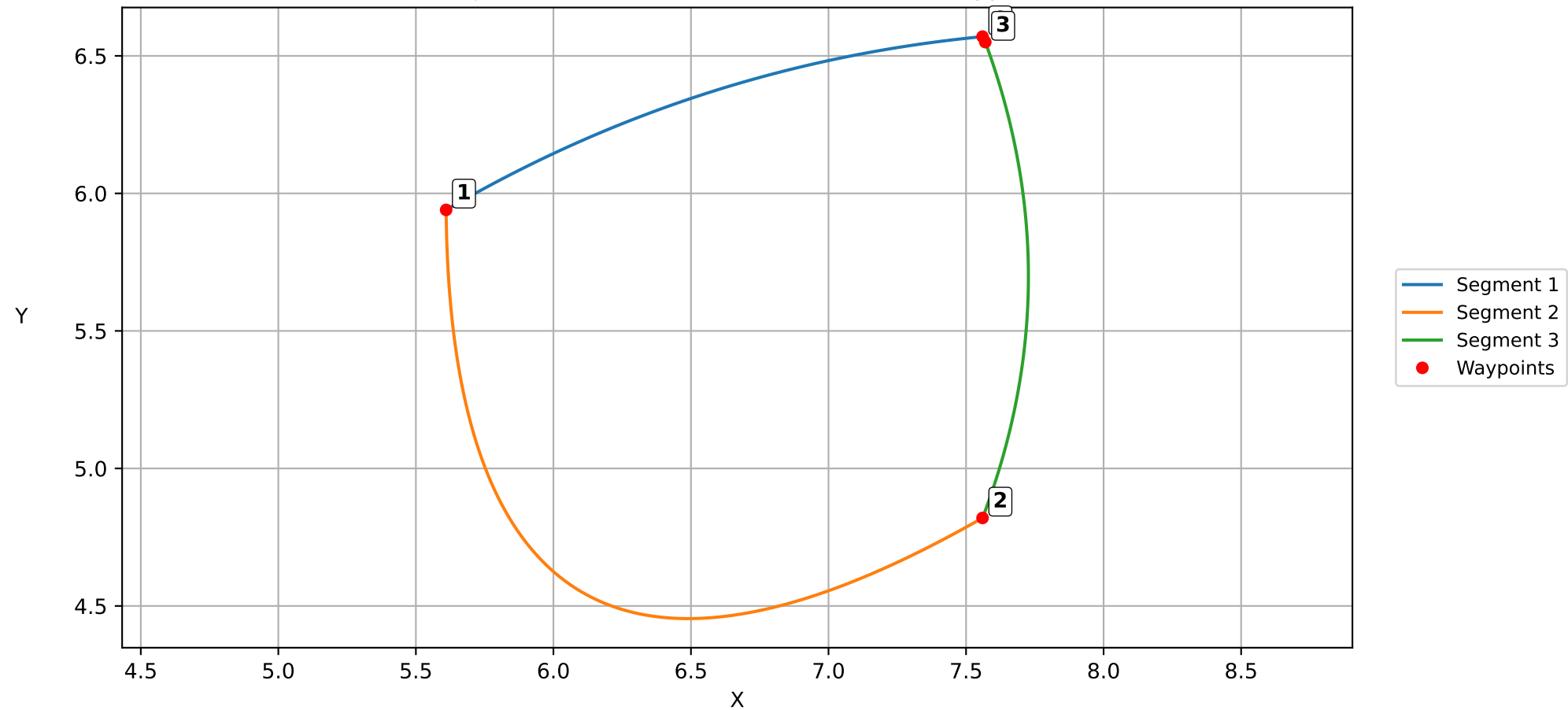
Trajectory 2: point 1 to point 2



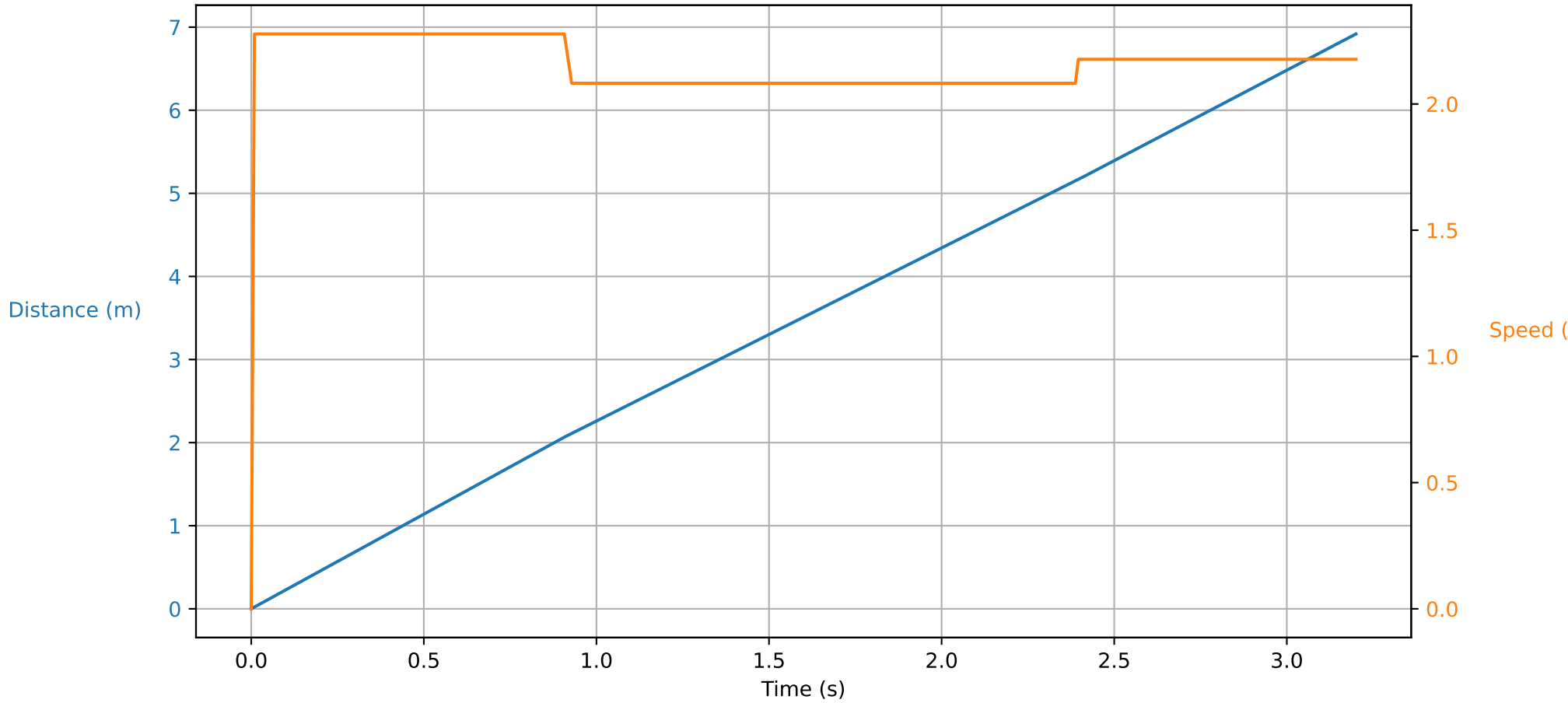
Trajectory 3: point 2 to point 3



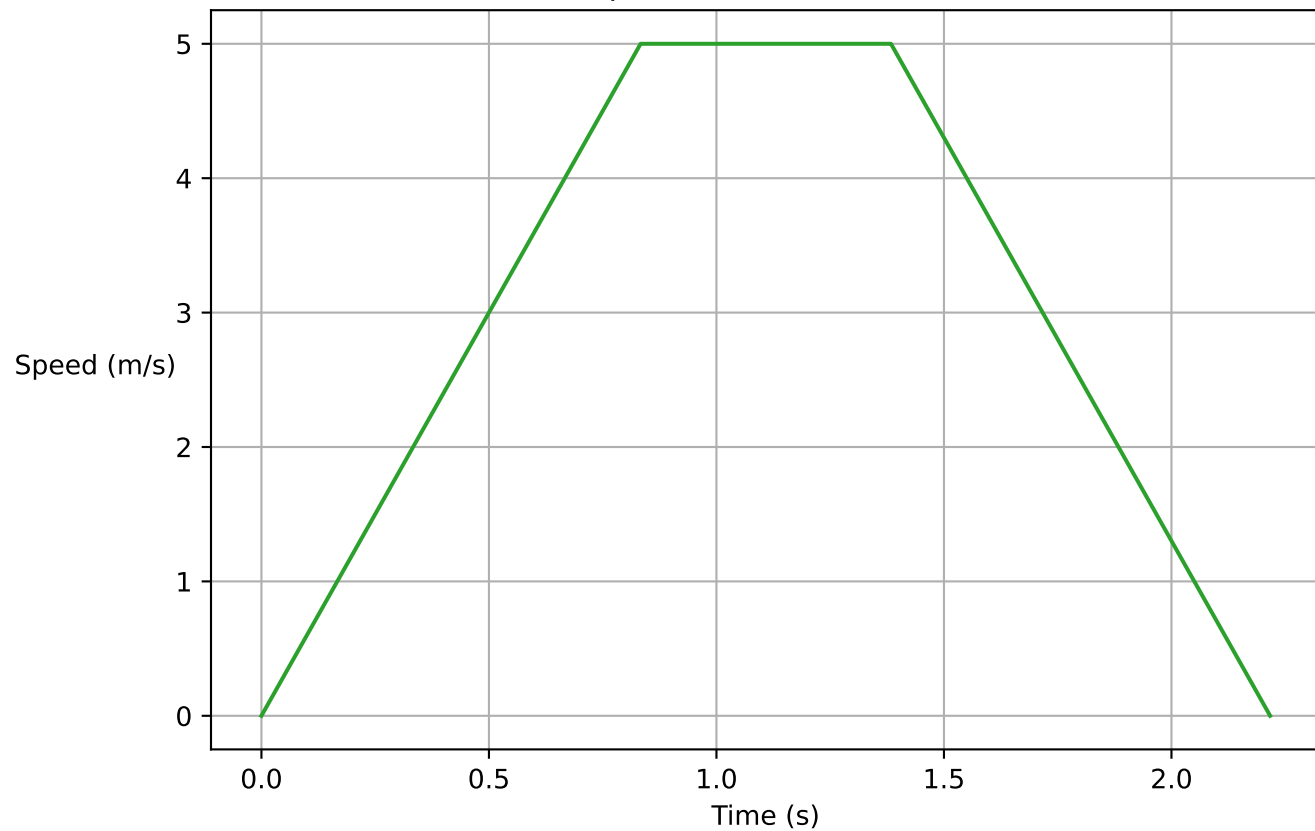
All Trajectories Combined (stitched to CSV waypoints)



Distance and Speed vs Time



Trapezoidal Motion Profile



Acceleration Magnitudes (m/s/s)

- Acceleration: 6.00 m/s/s
- Deceleration: 6.00 m/s/s

Maximum Velocity (m/s)

- 5.00 m/s

Stage Timing (s)

- Acceleration: t=0.00-0.83s
- Cruise: t=0.83-1.38s
- Deceleration: t=1.38-2.22s