



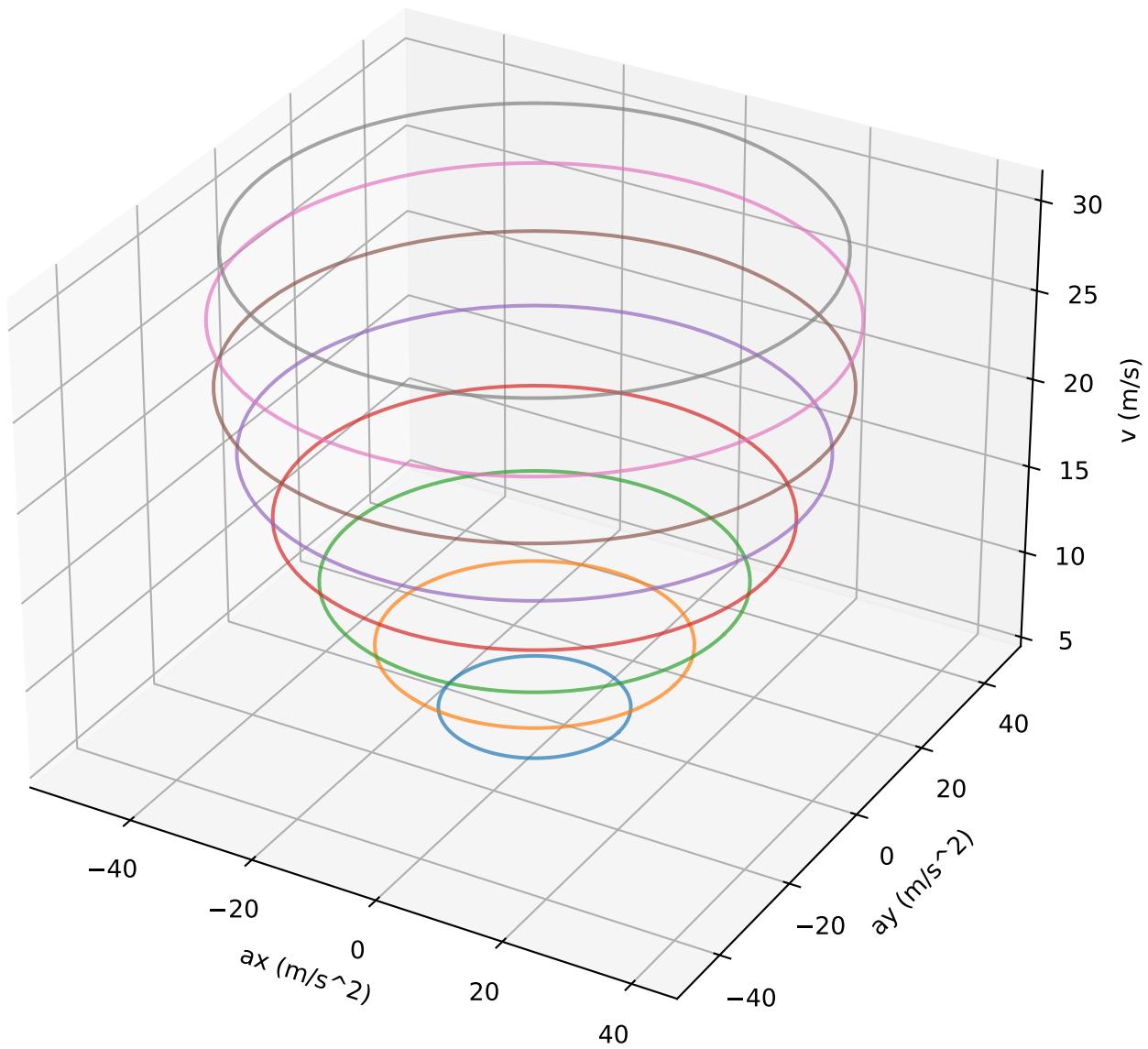
Component Evaluation (GGV) Report

Simulation Author: Arjun Rao

Generated By: Unknown (Unknown)

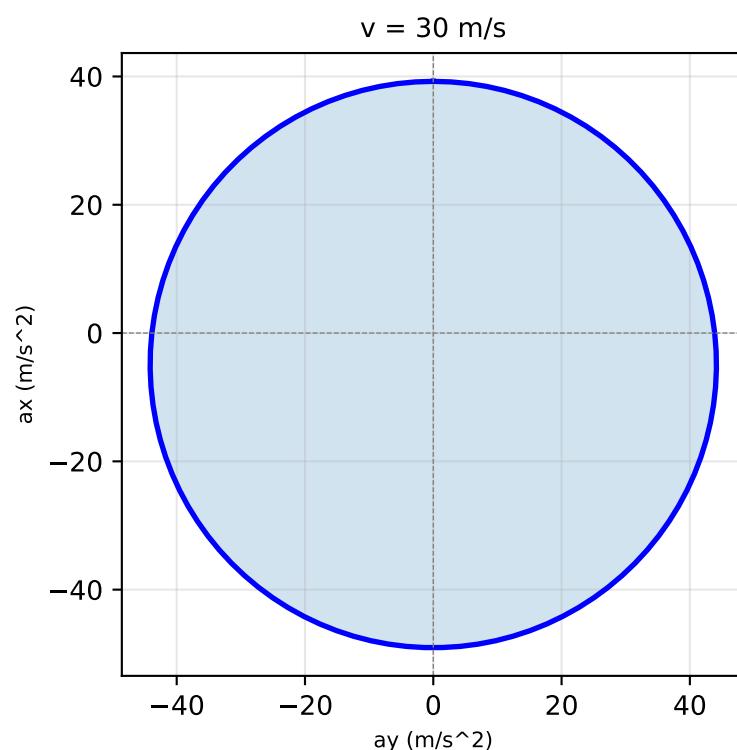
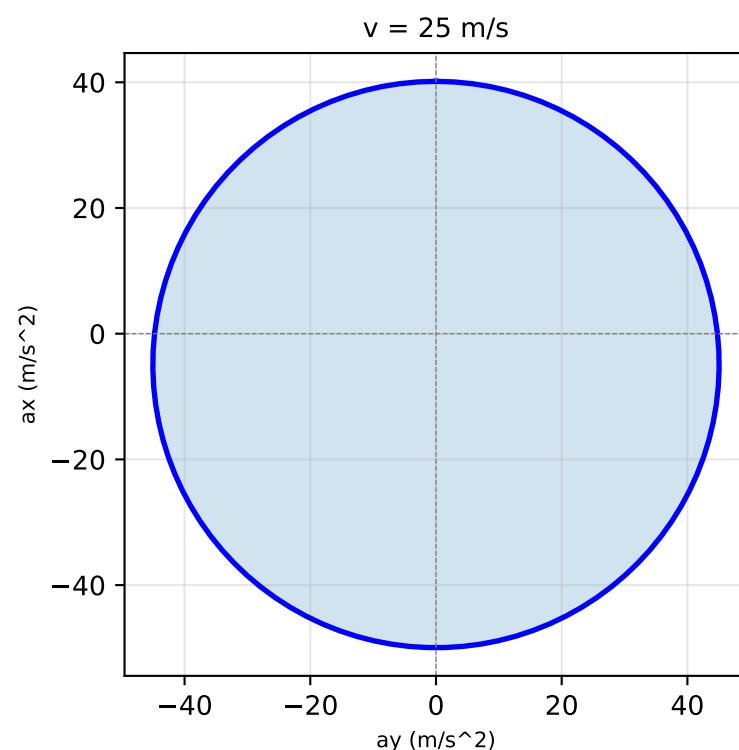
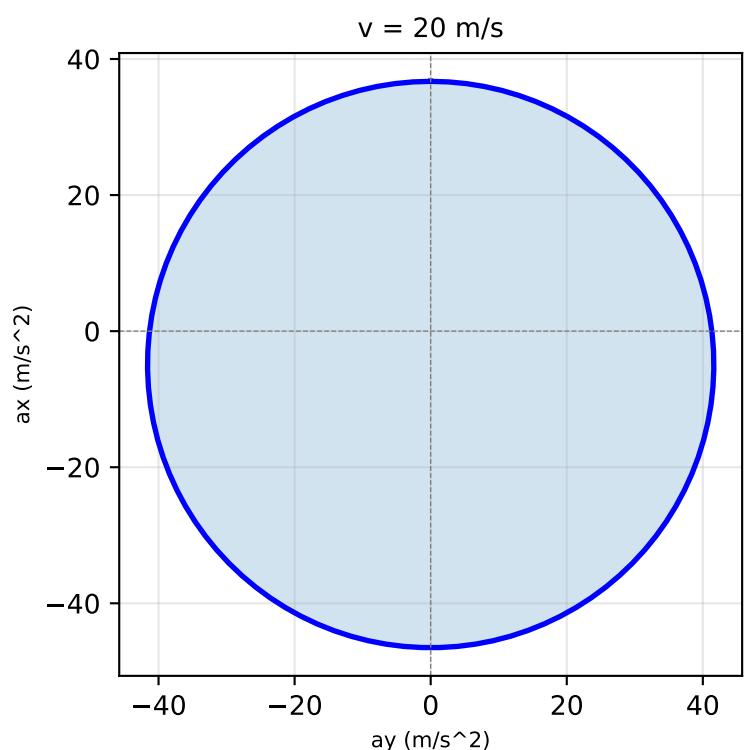
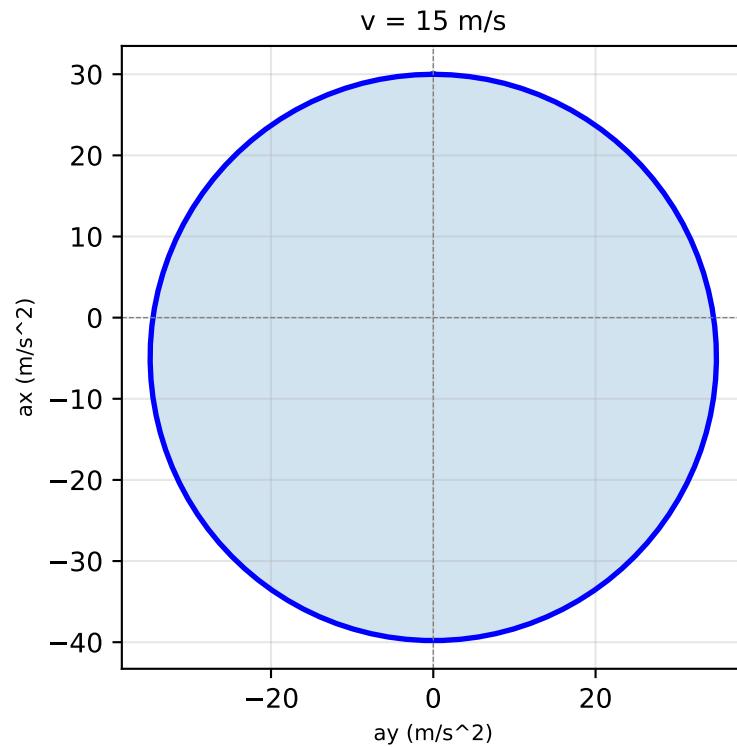
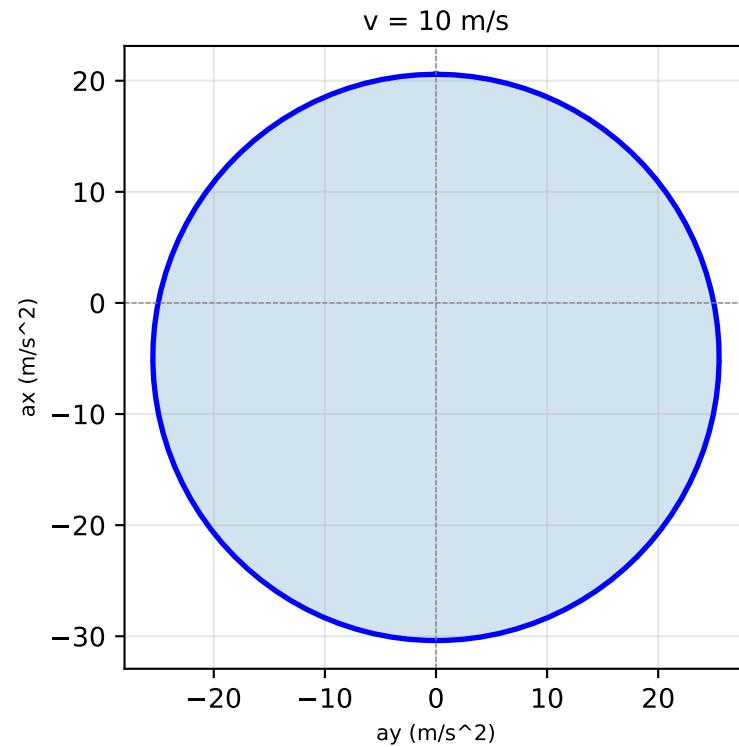
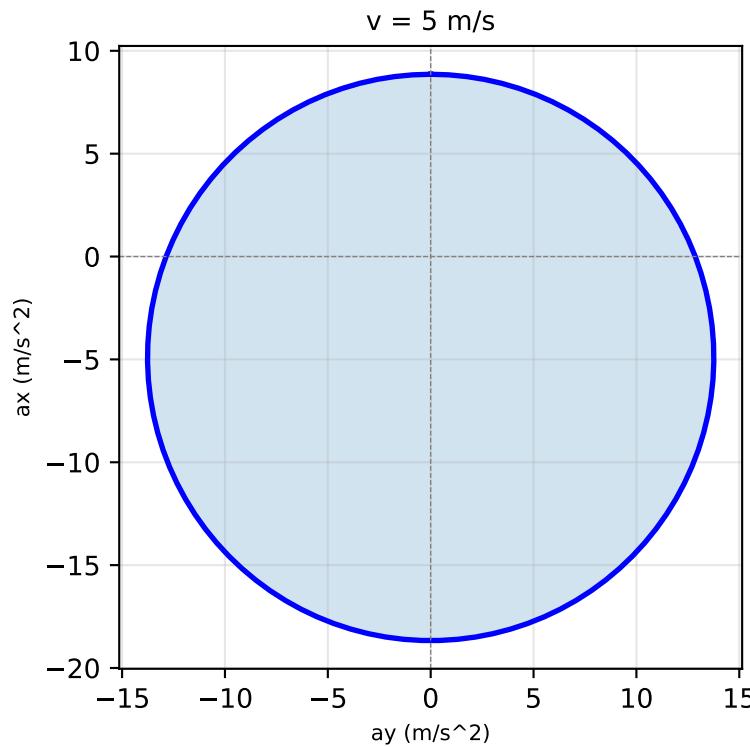
Date: 2025-12-03, 06:16 AM UTC

GGV Surface



$$\text{GGV: } (a_x g + 0.5)^2 + (a_y g)^2 = 9 * (0.01 * v^2 - v^3 / 4000) \quad | \quad \text{accel} = G * 9.81$$

G-G Envelopes

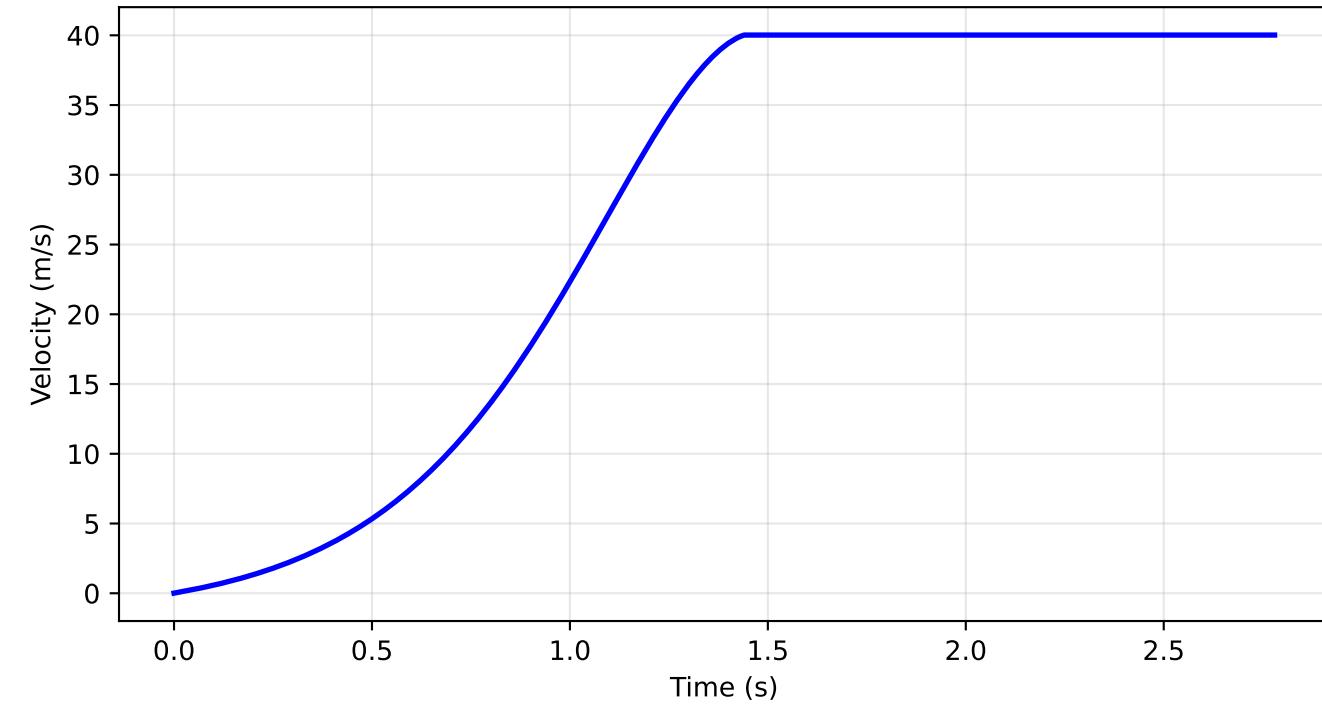


Performance Summary

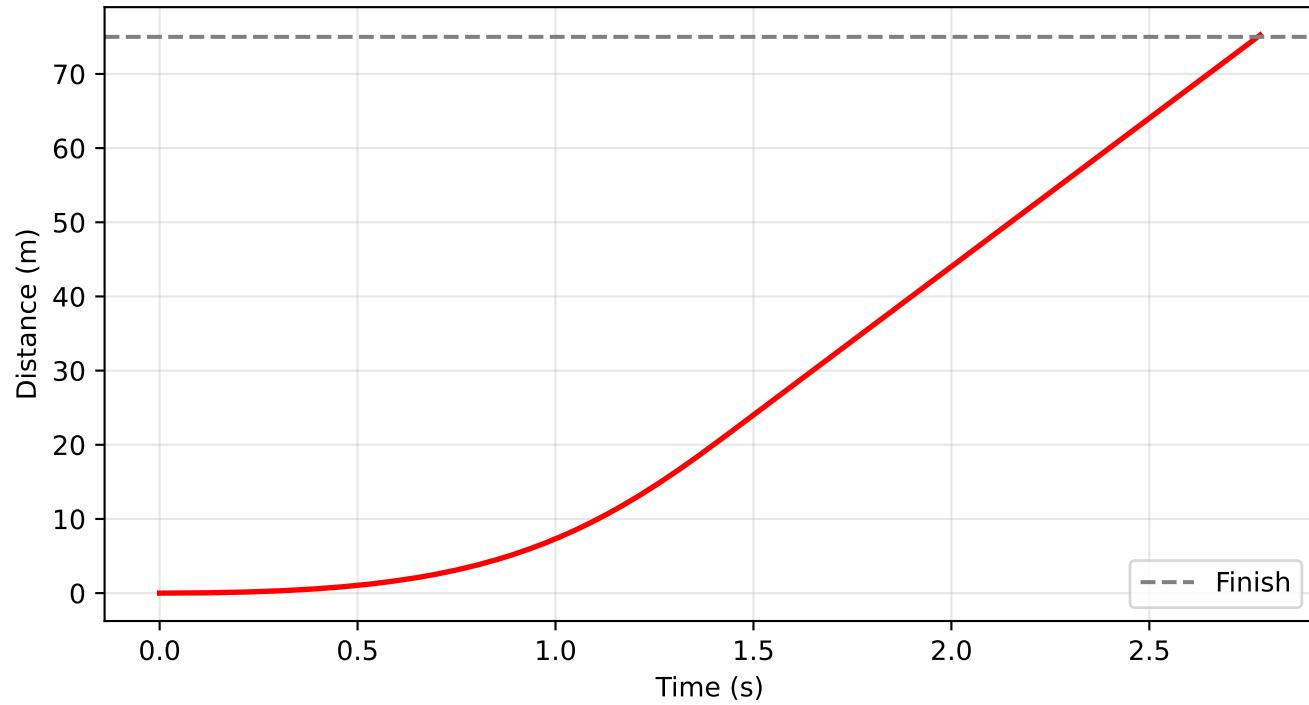
Event	Metric	Value
Acceleration (75m)	Time	2.780 s
	Max Velocity	40.02 m/s
Skidpad	Time	6.250 s
	Optimal Velocity	21.31 m/s
	Lateral G	4.37 G

Acceleration Event - 2.780s

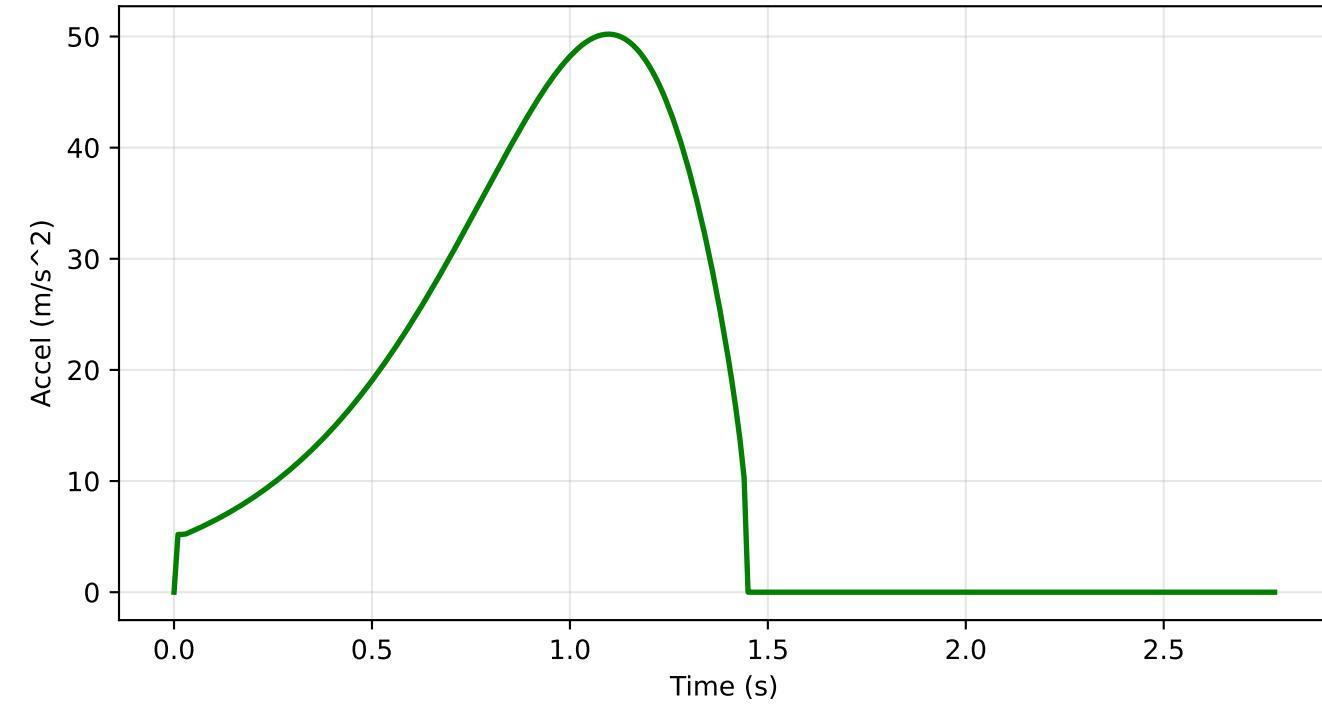
Velocity vs Time



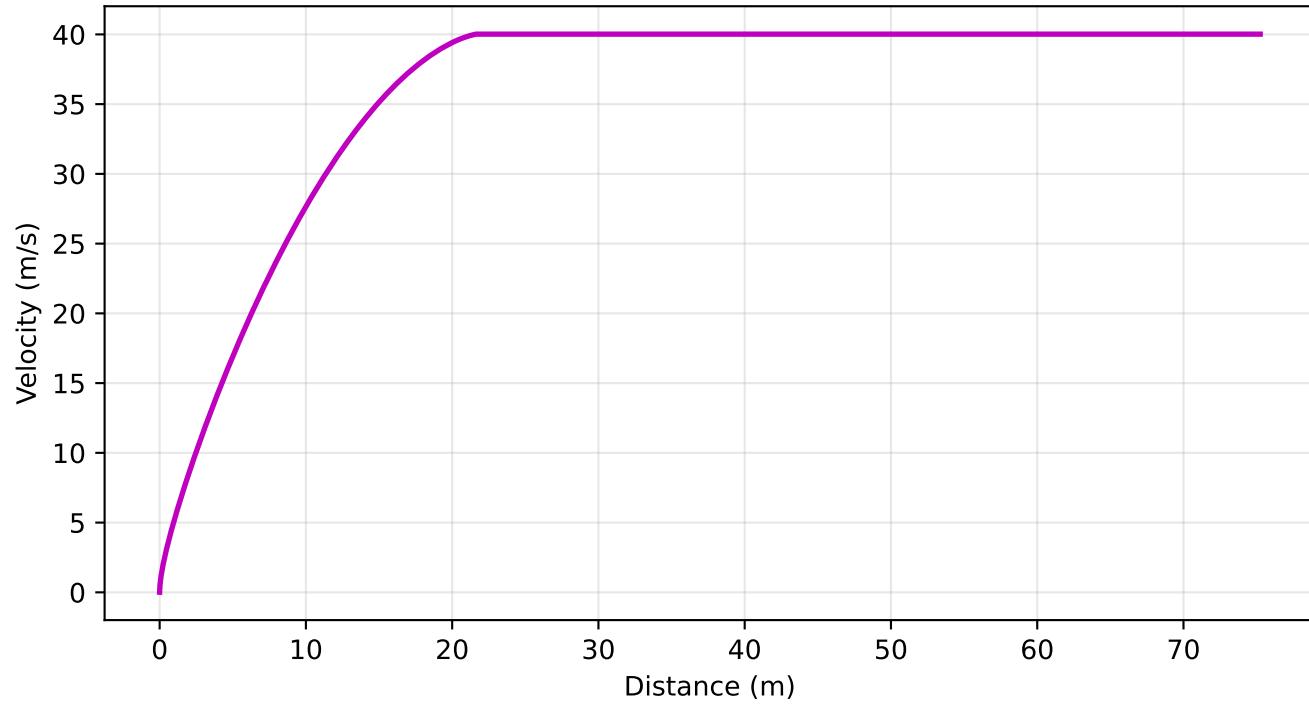
Distance vs Time



Acceleration vs Time



Velocity vs Distance

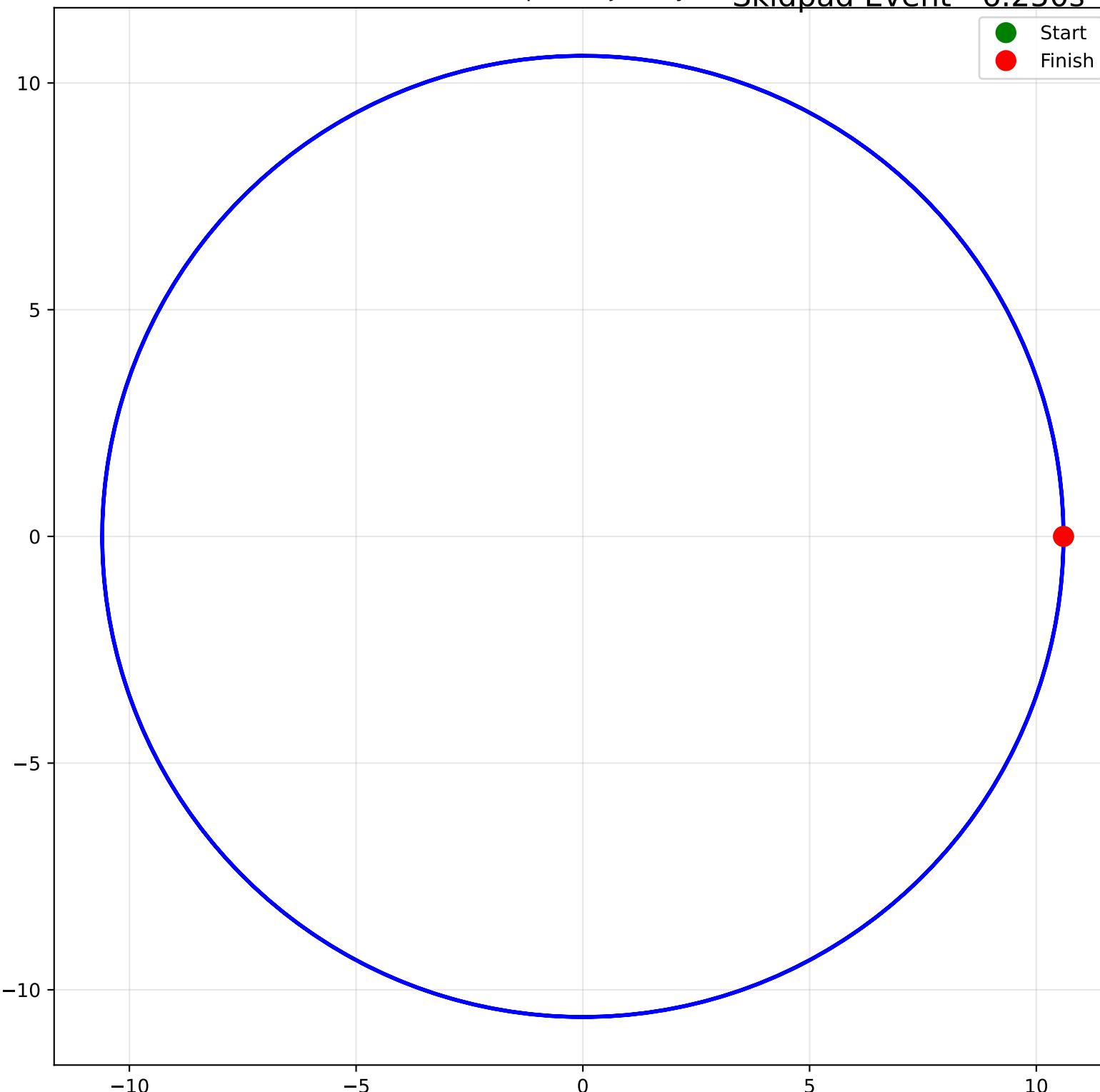


Skidpad Trajectory

Skidpad Event - 6.250s

- Start
- Finish

Y (m)



Metric	Value
Time	6.250 s
Velocity	21.31 m/s
Lateral Accel	42.86 m/s ²
Lateral G	4.37 G
Radius	10.60 m