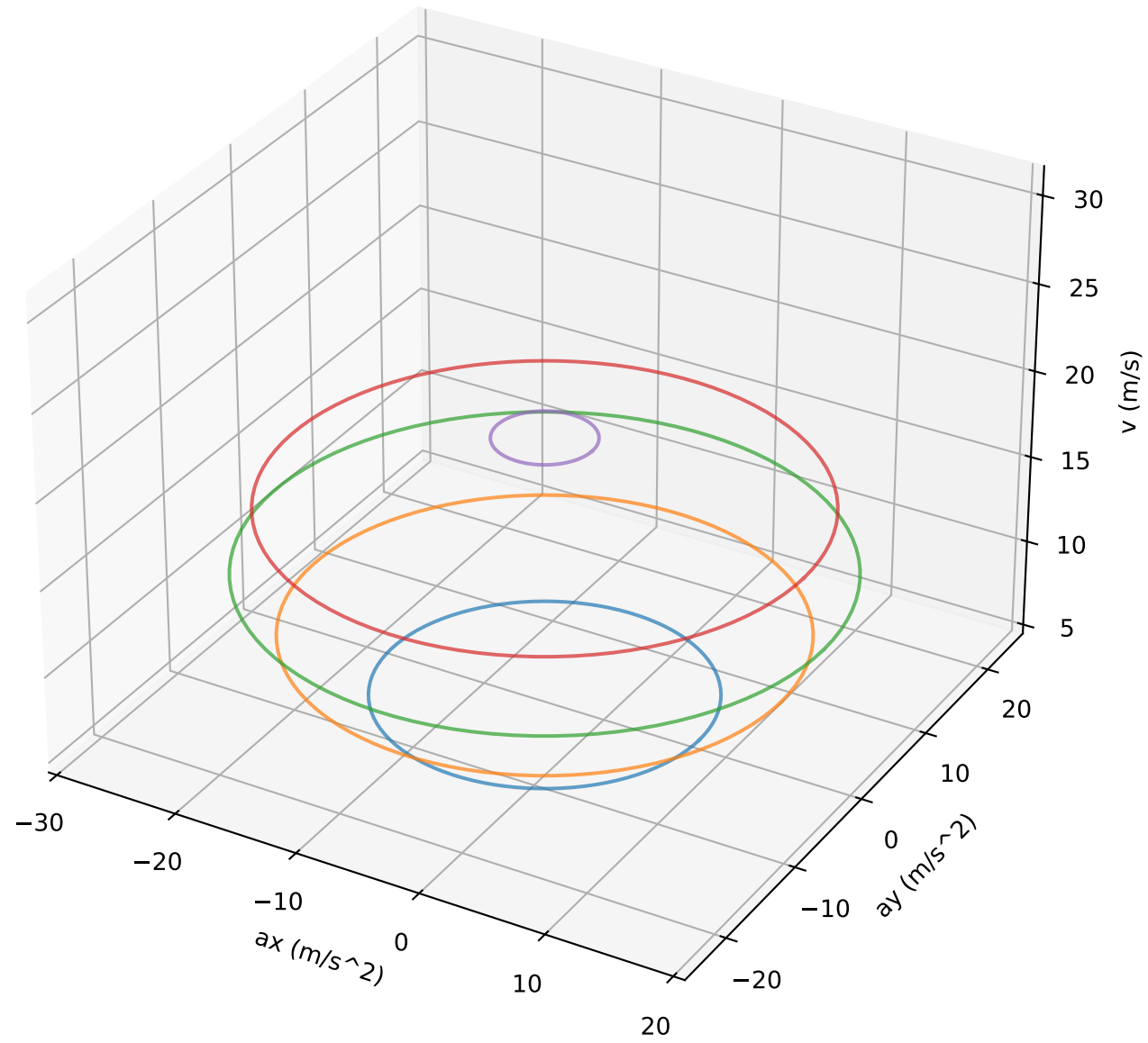# Component Evaluation (GGV) Report

Simulation Author: Arjun Rao

Generated By: Unknown (Unknown)
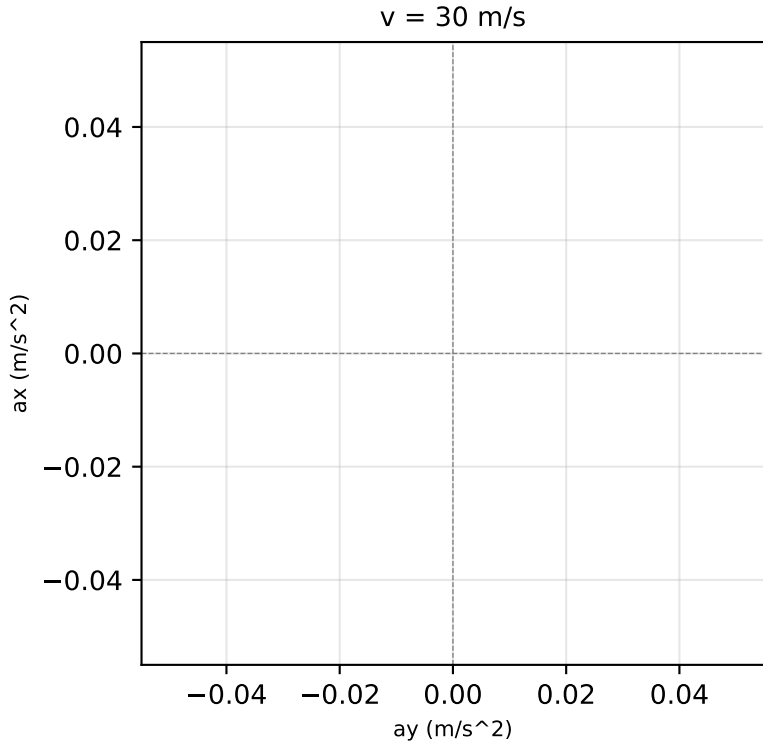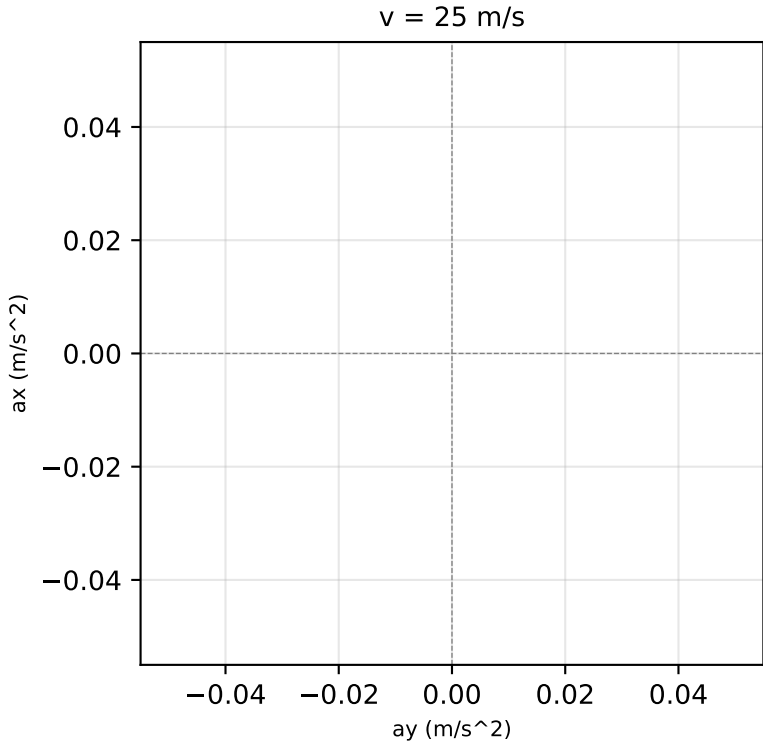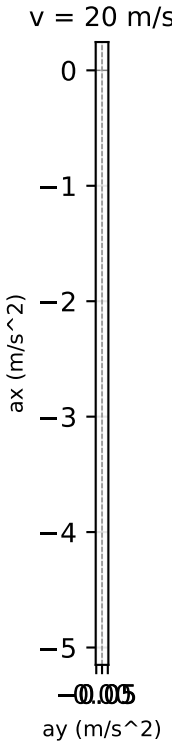
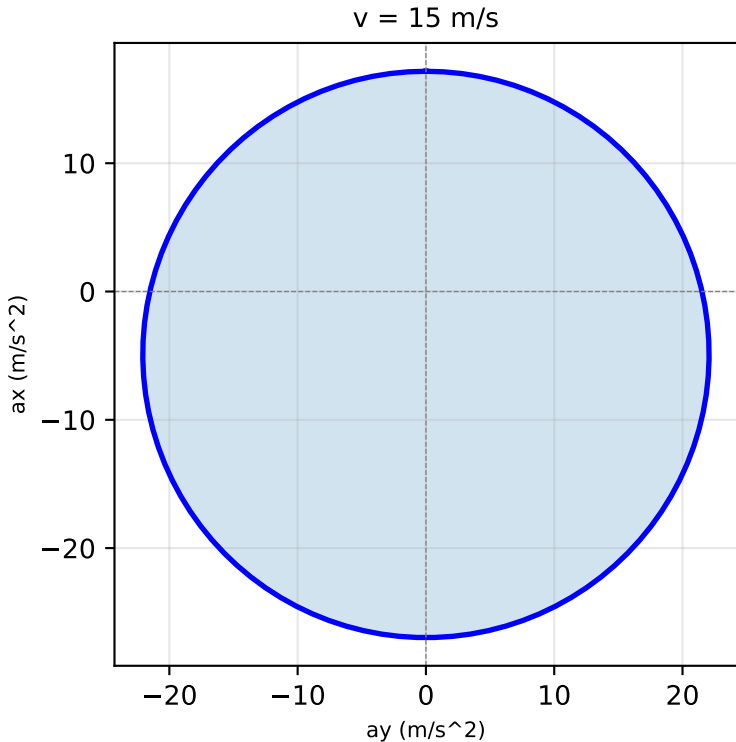Date: 2025-10-19, 10:49 PM UTC

GGV Surface

GGV: (ax_g+0.5)^2 + (ay_g)^2 = 9*(0.01*v^2 - v^3/2000) | accel = G * 9.81

G-G Envelopes
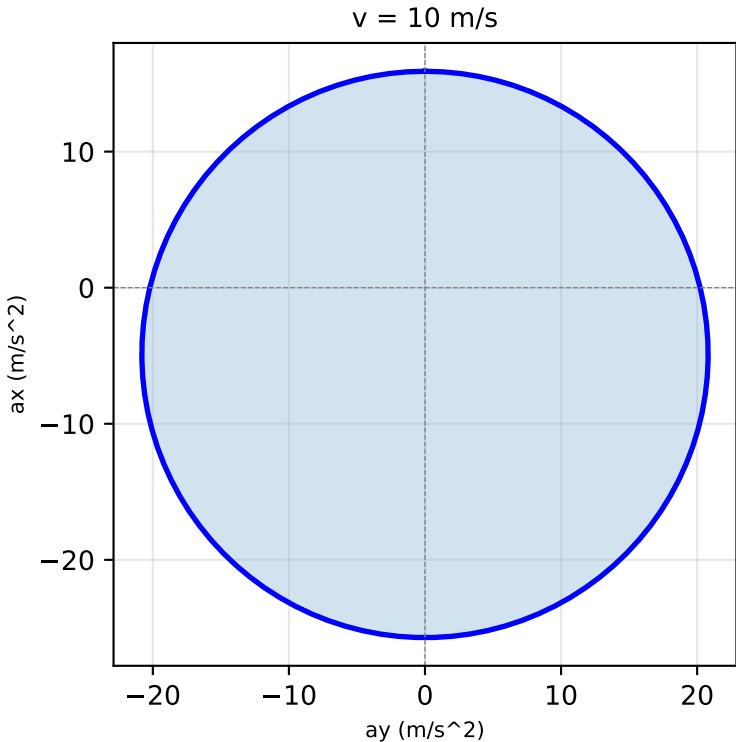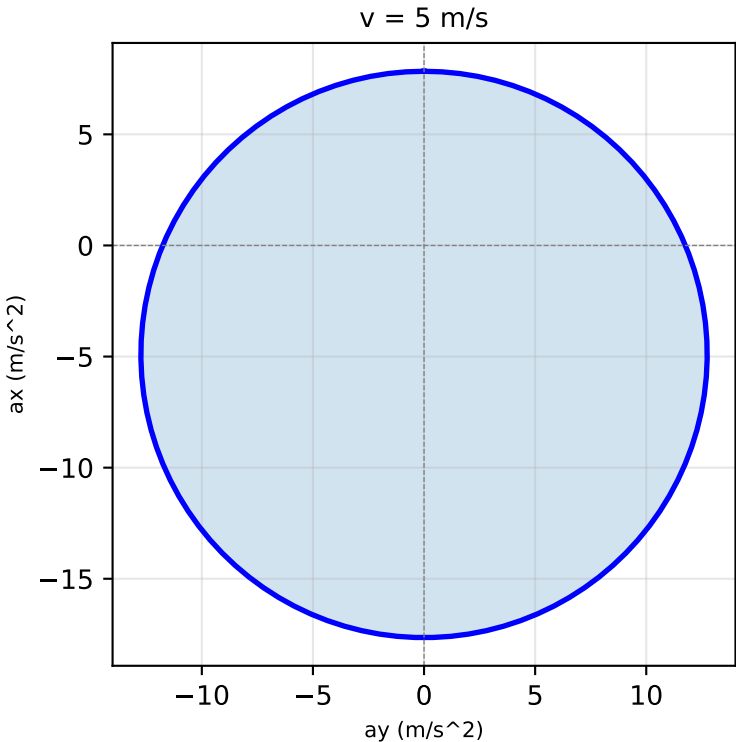
Performance Summary

Event	Metric	Value
Acceleration (75m)	Time	4.440 s
	Max Velocity	20.01 m/s
Skidpad	Time	7.292 s
	Optimal Velocity	13.14 m/s
	Lateral G	2.31 G

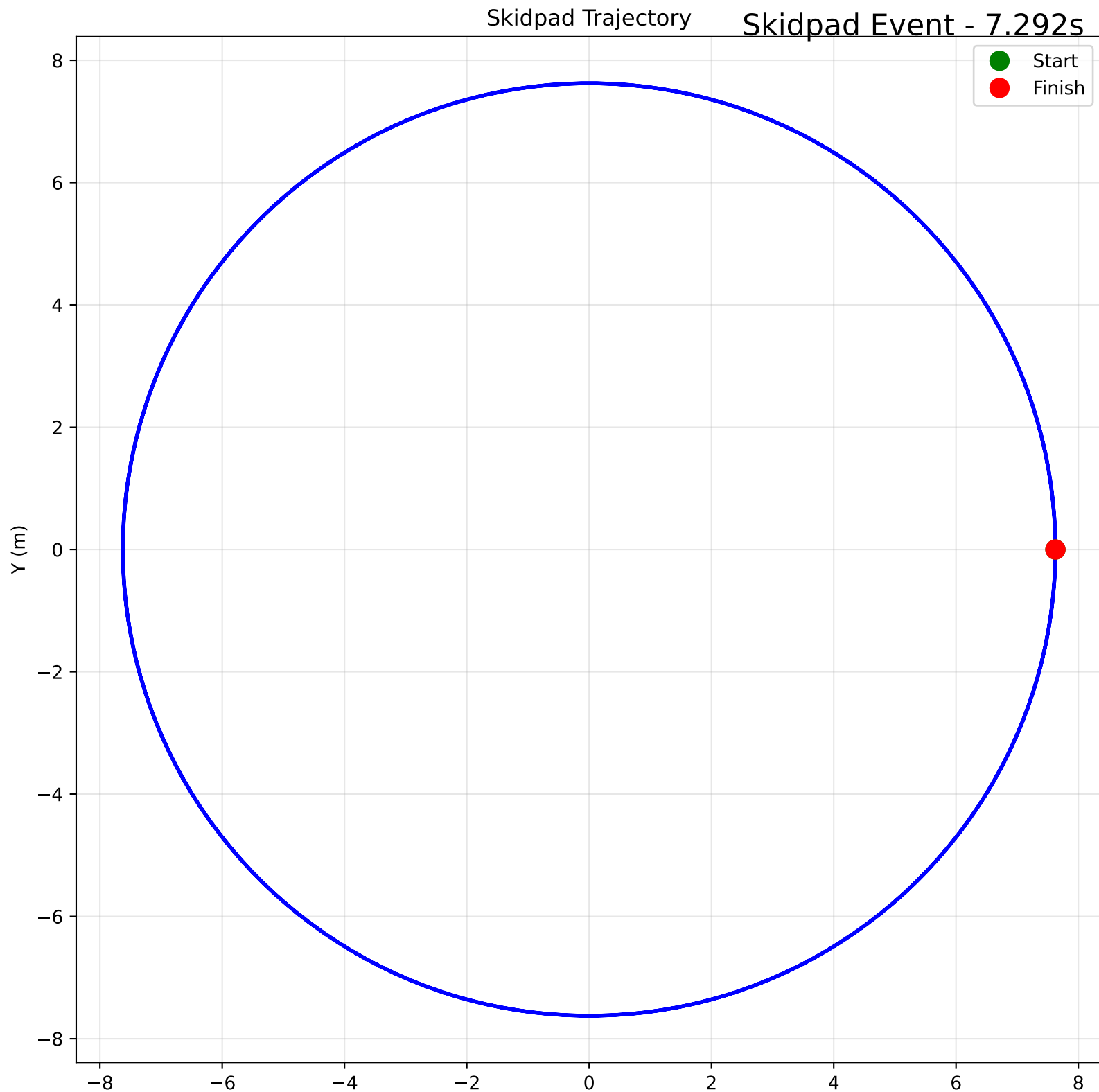# Acceleration Event - 4.440s

Velocity vs Time
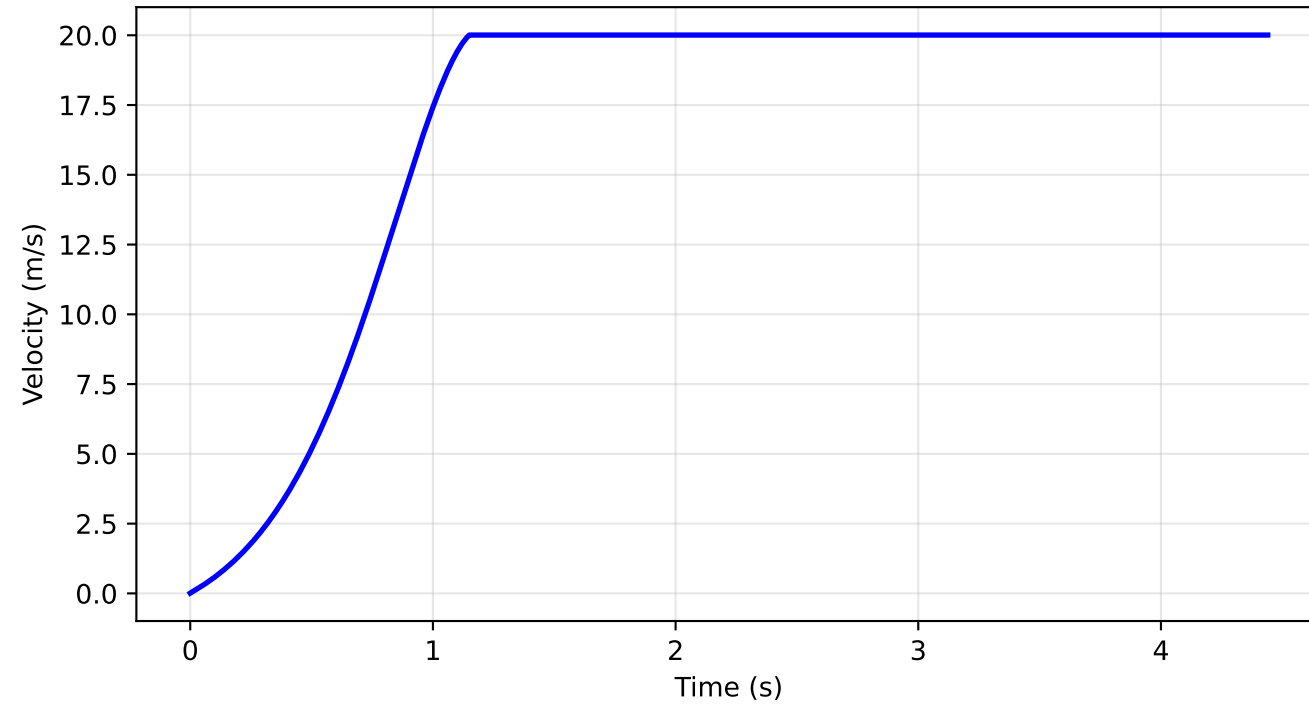
Distance vs Time
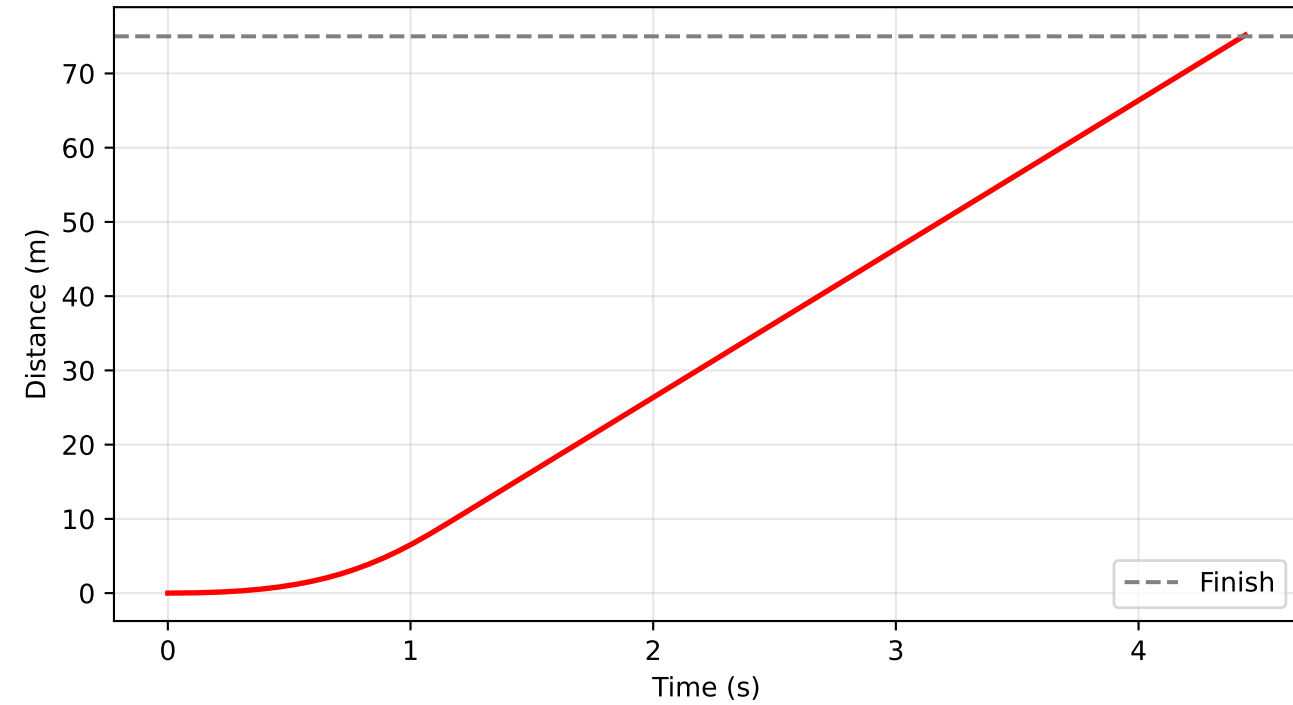
Acceleration vs Time

Velocity vs Distance

Skidpad Trajectory

Skidpad Event - 7.292s
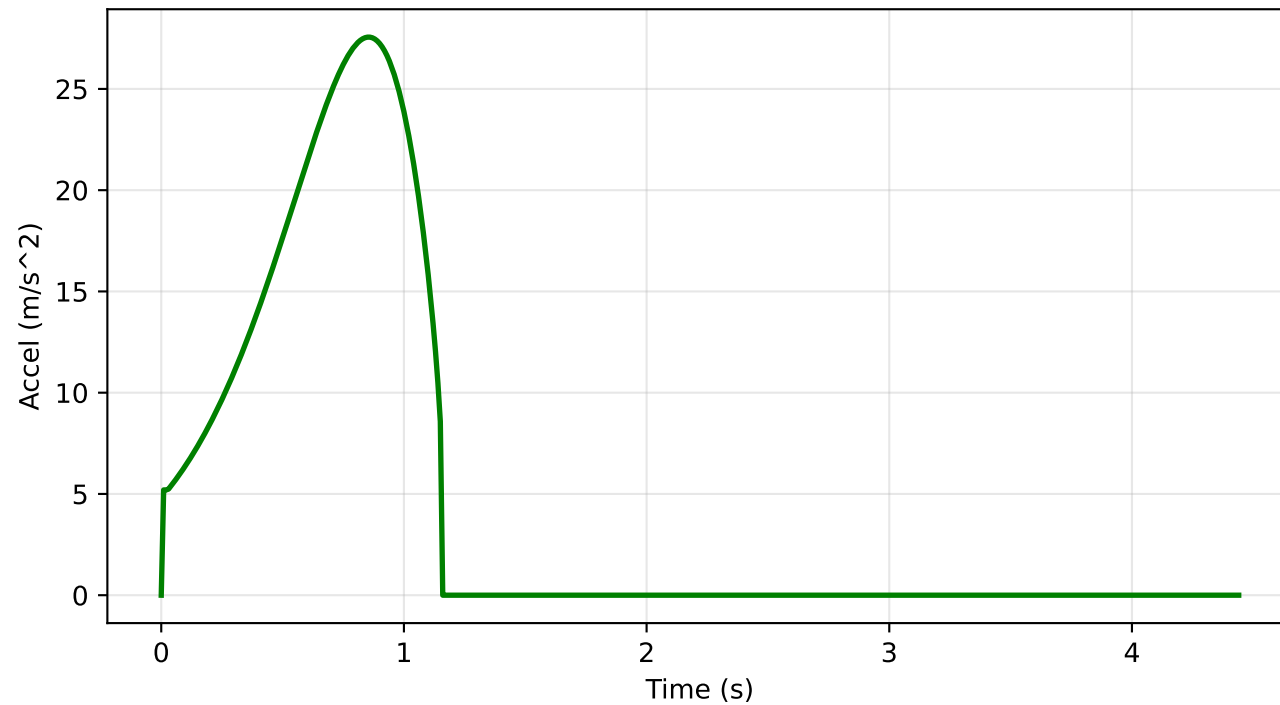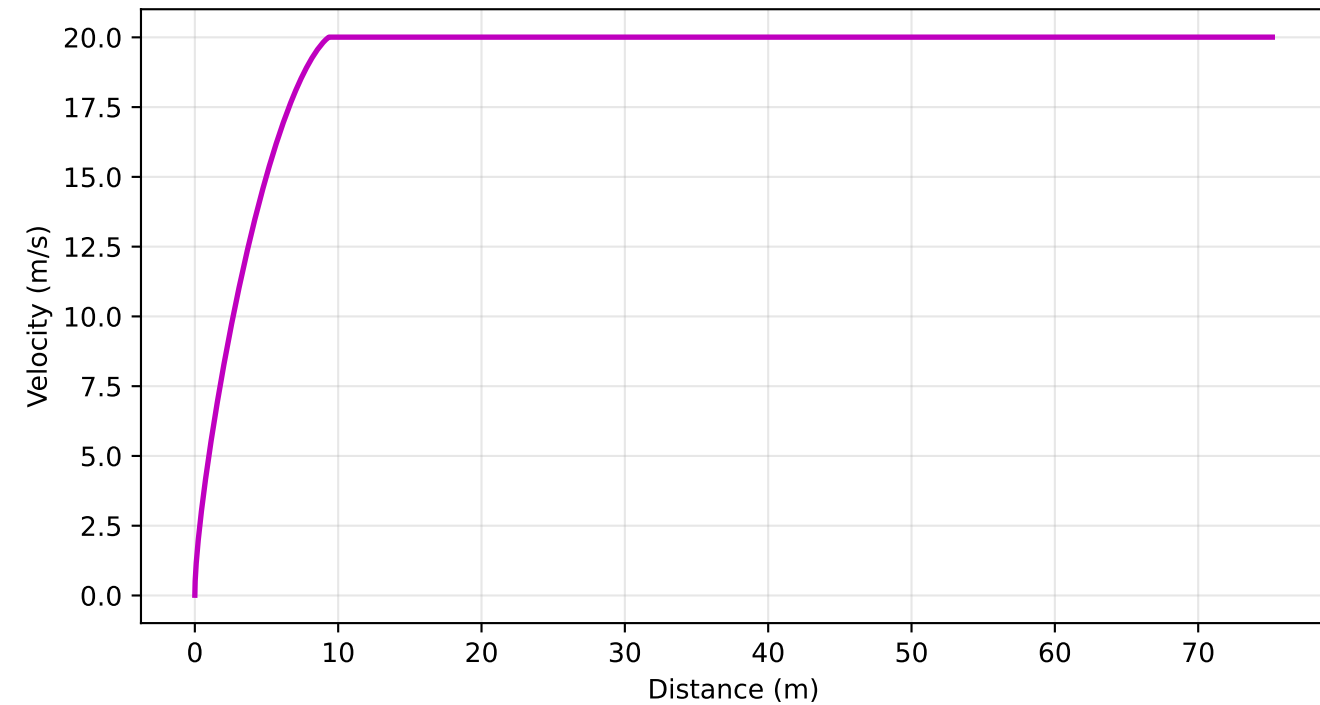
Metric	Value
Time	7.292 s
Velocity	13.14 m/s
Lateral Accel	22.64 m/s^2
Lateral G	2.31 G
Radius	7.62 m