Control Barrier Function Safety Verification - Realistic Simulation

Test Conditions: Delay = 150 ms (jitter 10-150 ms), Packet Loss = 20% (Bernoulli i.i.d.), Violation dwell = 200 ms (min duration to count an event), $h_freq = 0.25 - (\Delta f)^2$, $\Delta t = 0.033$ s (30 Hz)







