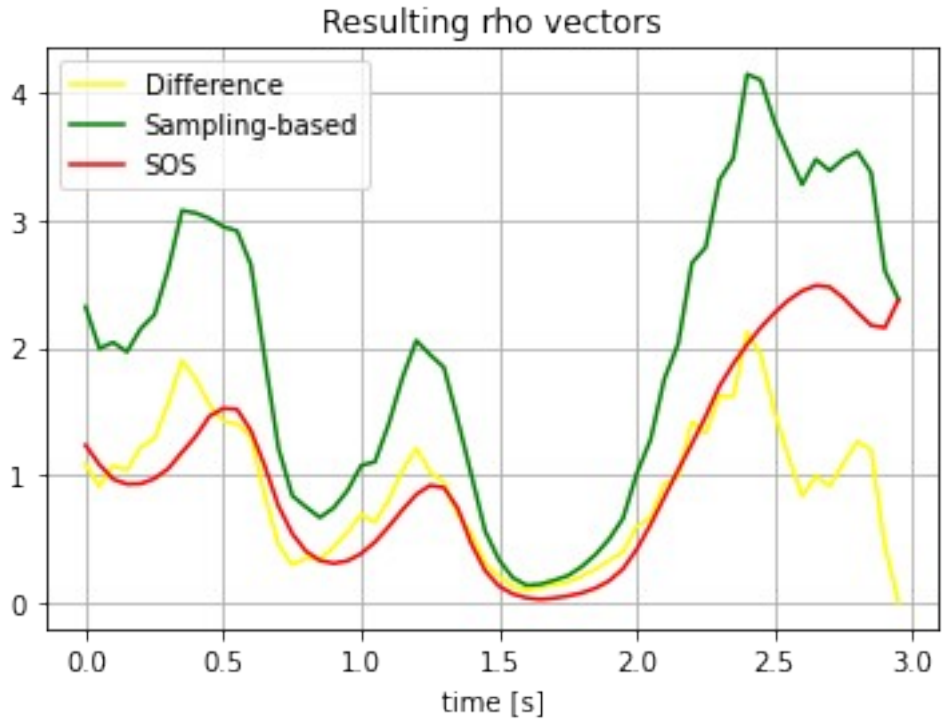
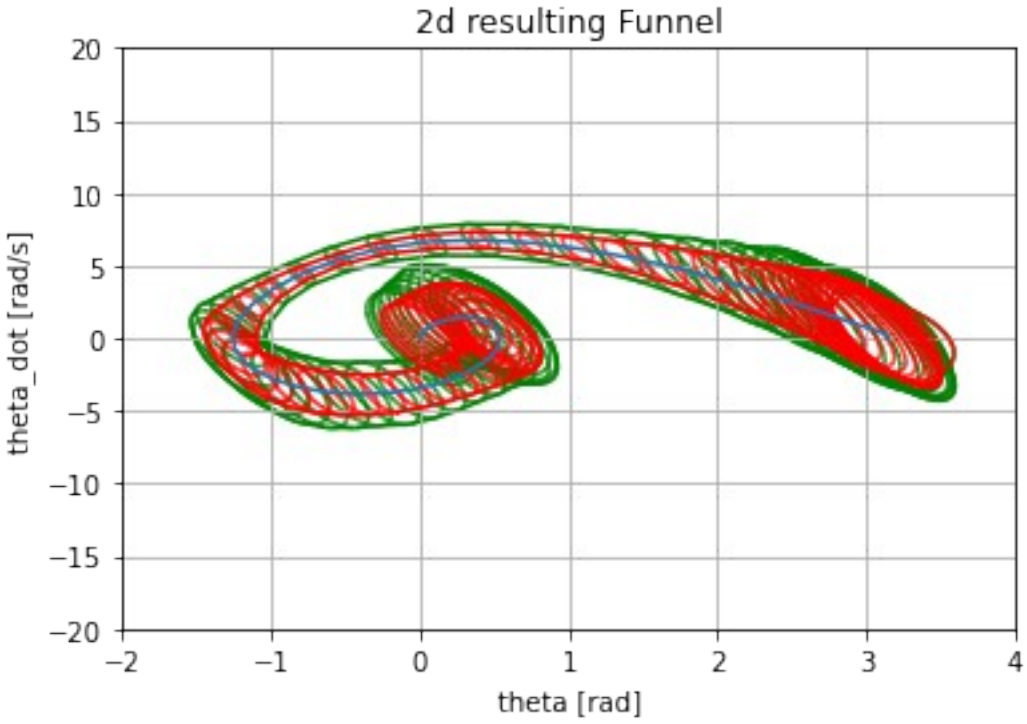
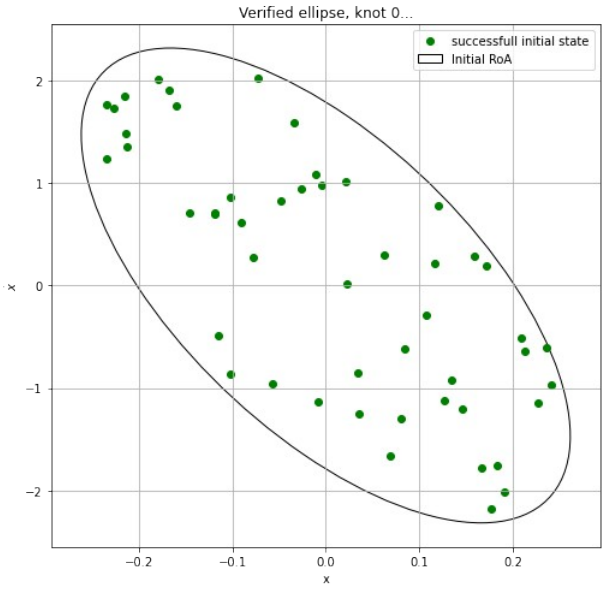
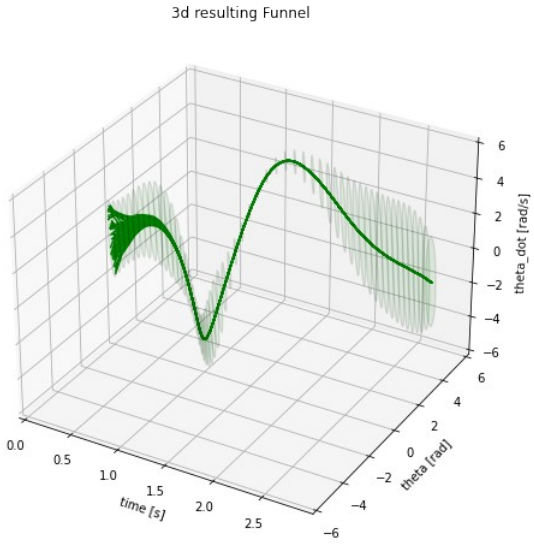

Resulting rho vectors
Difference
Sampling-based
SOS
4
3
2
1
0
0.0
0.5
1.0
1.5
2.0
2.5
3.0
time [s]


2d resulting Funnel
20
15
10
5
0
−5
−10
−15
−20
−2
−1
0
1
2
3
4
theta_dot [rad/s]
theta [rad]

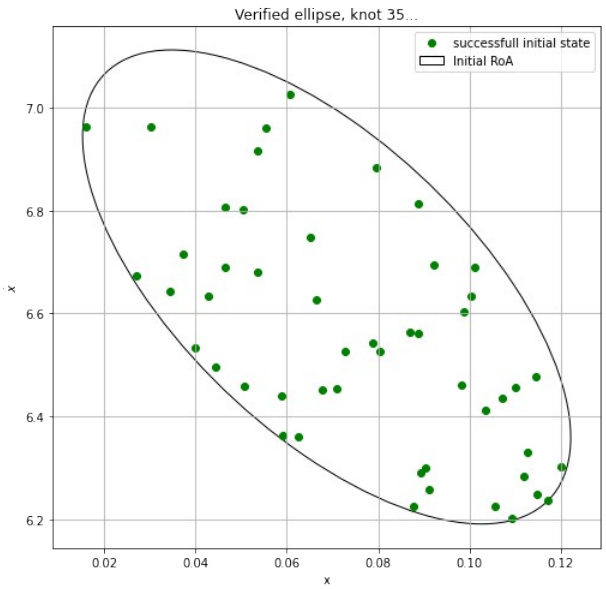
SOS Funnel Verification

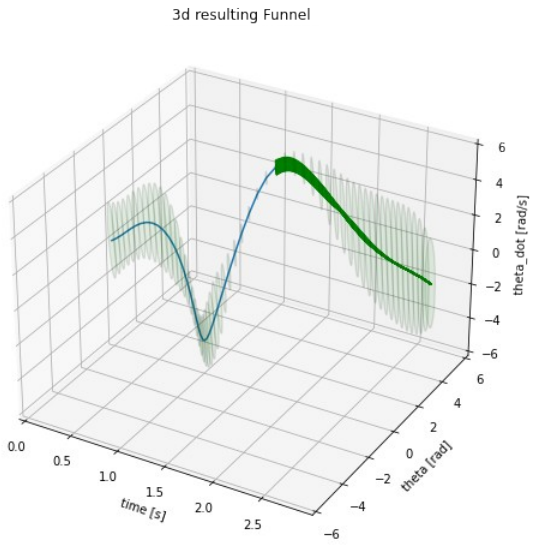
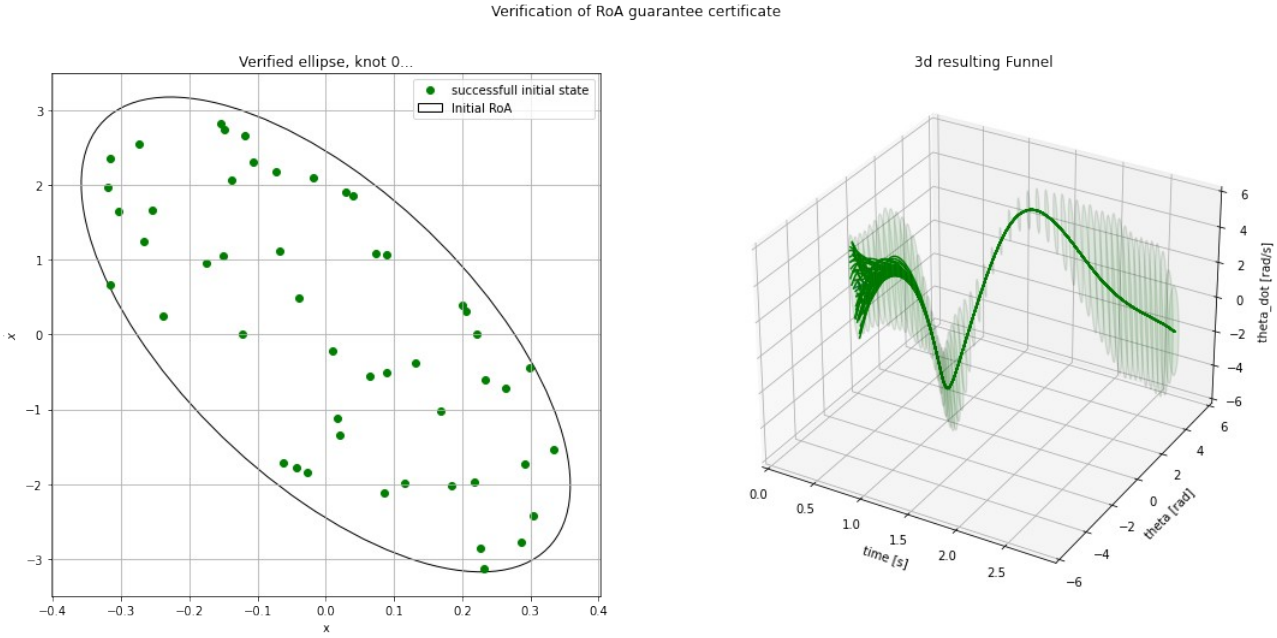
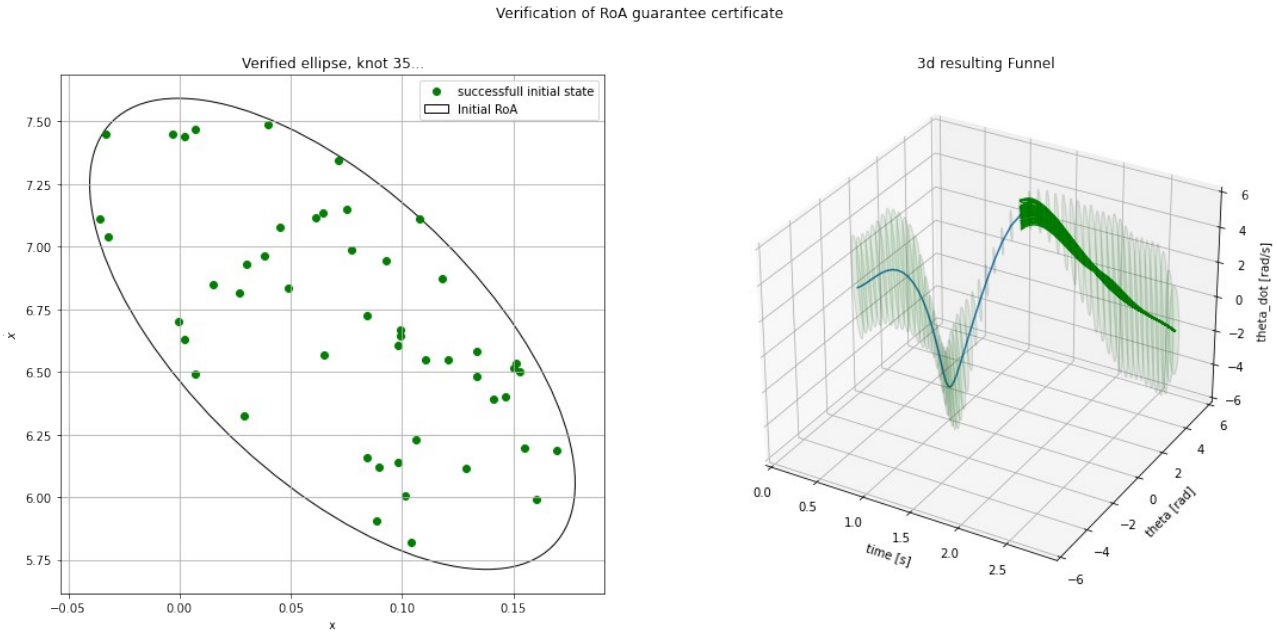
Verification of RoA guarantee certificate





Verification of RoA guarantee certificate





Simulation-based Funnel Verification