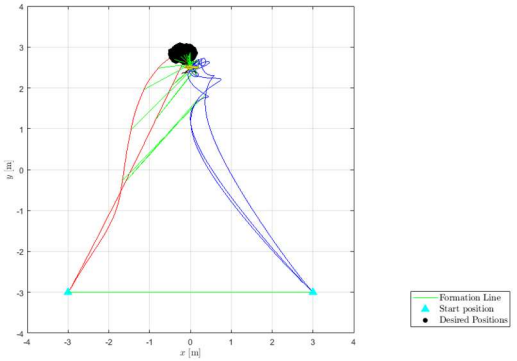
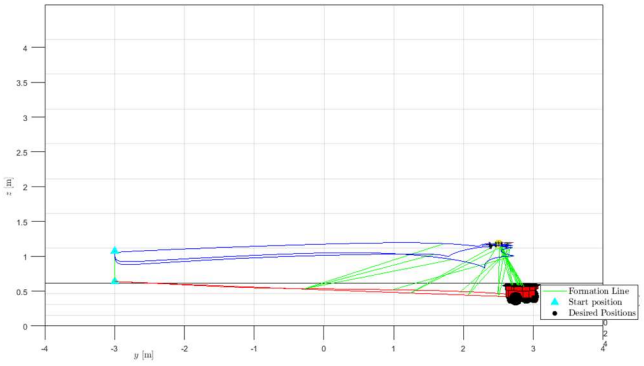
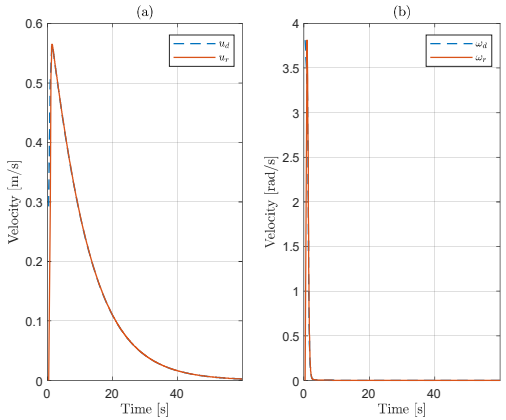
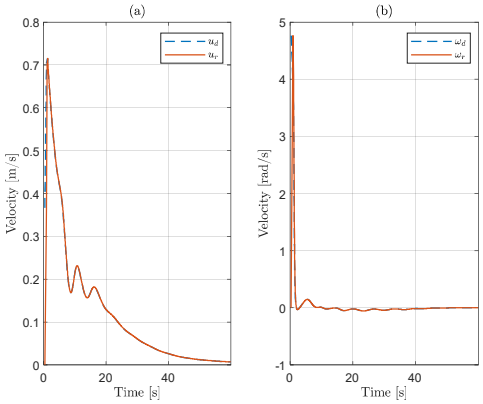
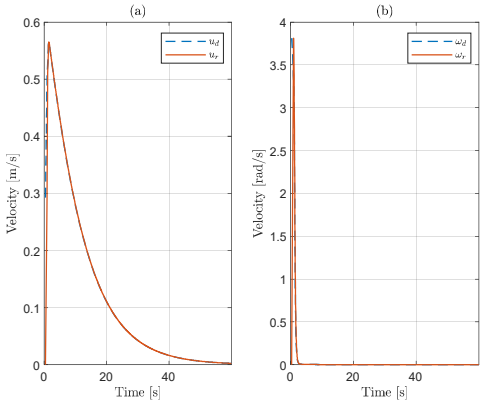
Simulação Formação Triangular

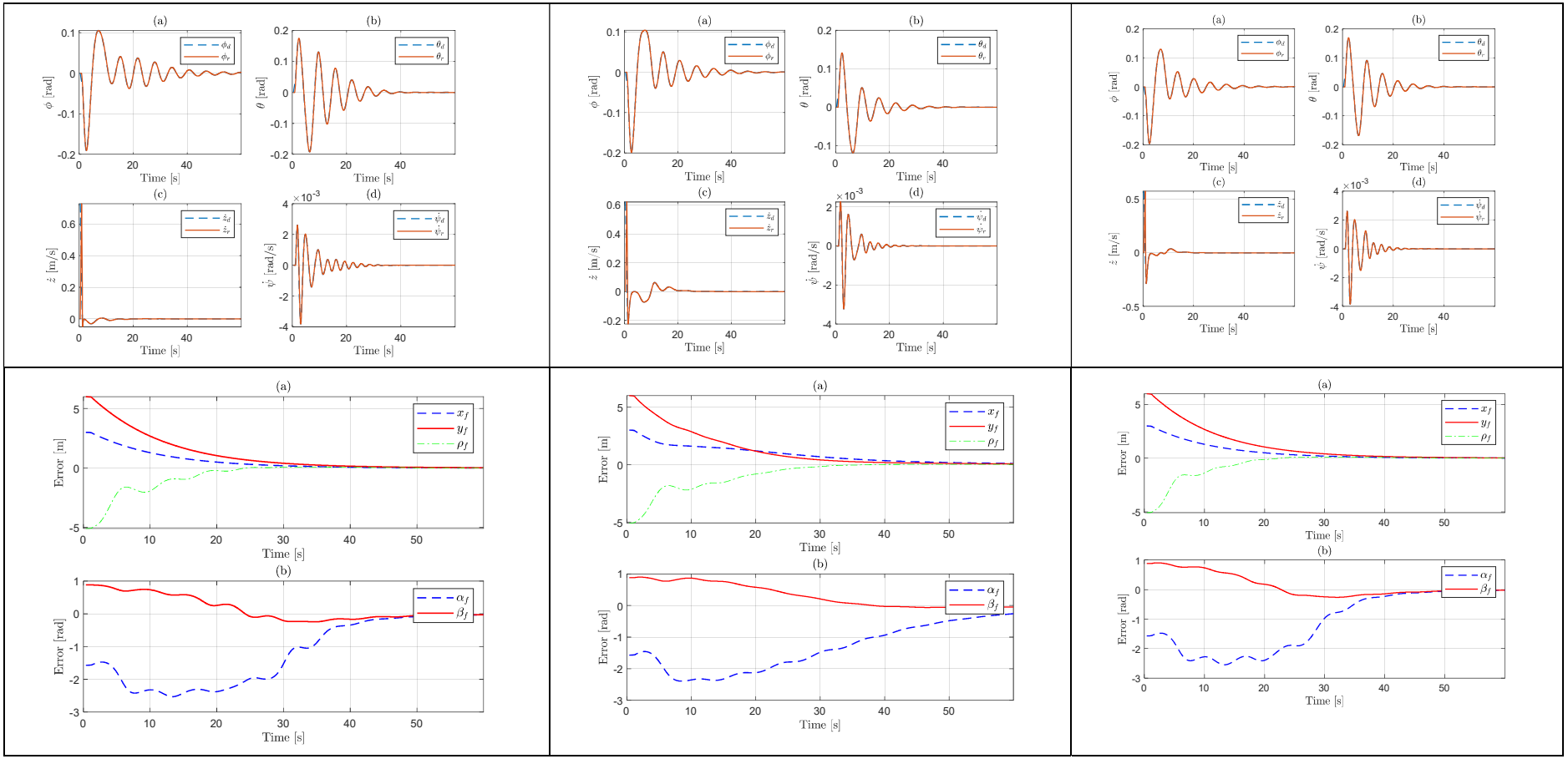
Ganhos

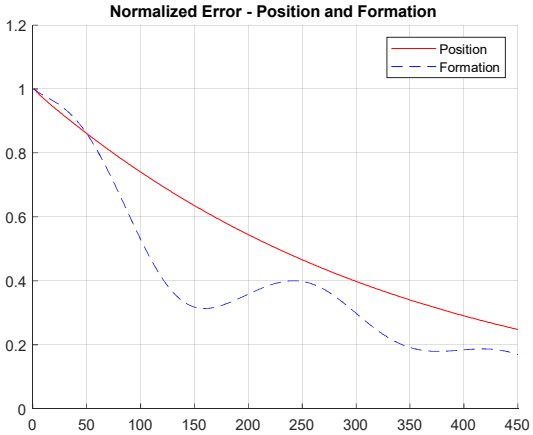
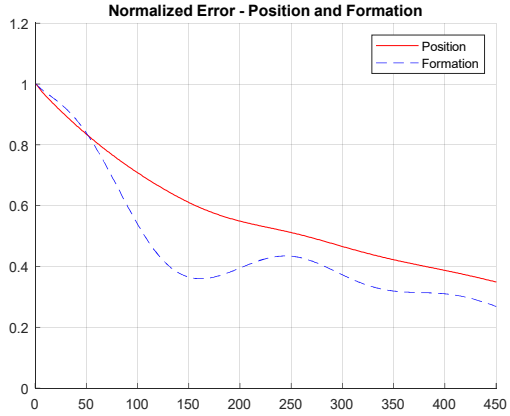
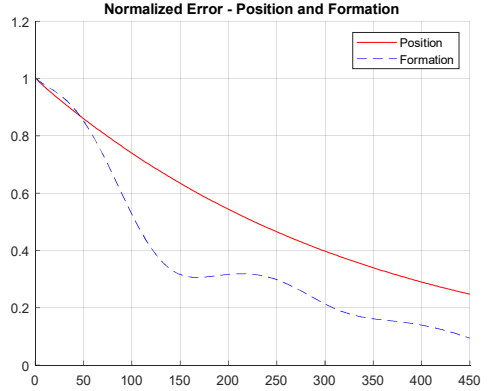
```
NSBF.pPar.K1 = 1*diag([1 1 2 1 0.25 0.5]);          % kinematic control gain  - controls amplitude
NSBF.pPar.K2 = 1*diag([0.1 0.1 0.1 0.1 0.1 0.1]);   % kinematic control gain - control saturation
```





Convencional	NSB Prioridade Formação	NSB Prioridade Posição
		


(a)
(b)
(c)
(d)
Time [s]
ϕ [rad]
θ [rad]
$\dot{z}$ [m/s]
$\dot{\psi}$ [rad/s]
ϕ_d
ϕ_r
θ_d
θ_r
$\dot{z}_d$
$\dot{z}_r$
$\dot{\psi}_d$
$\dot{\psi}_r$
$\times 10^{-3}$
(a)
(b)
Error [m]
Error [rad]
x_f
y_f
ρ_f
α_f
β_f
Time [s]

		
--- Integral do Erro Absoluto --- IAE IAExf: 31.3704 IAEyf: 64.8076 IAEzf: 0 IAErf: 35.6653 IAEbf: 71.9253 IAEaf: 17.0681 IAEf : 118.5994 IAE Total 220.8366 --- Integral do Erro ao Quadrado ---	--- Integral do Erro Absoluto --- IAE IAExf: 50.1175 IAEyf: 68.0297 IAEzf: 0 IAErf: 44.9235 IAEbf: 80.4252 IAEaf: 20.4181 IAEf : 136.1697 IAE Total 263.9141 --- Integral do Erro ao Quadrado ---	--- Integral do Erro Absoluto --- IAE IAExf: 31.3704 IAEyf: 64.8076 IAEzf: 0 IAErf: 31.6273 IAEbf: 66.3071 IAEaf: 16.7223 IAEf : 112.4244 IAE Total 210.8347 --- Integral do Erro ao Quadrado ---

ISE ISExf: 47.2028 ISEyf: 198.4942 ISEzf: 0 ISErf: 89.8236 ISEbf: 142.8082 ISEaf: 9.213 ISEf : 81.257 ISE Médio 81.2570	ISE ISExf: 69.3867 ISEyf: 203.5393 ISEzf: 0 ISErf: 106.3612 ISEbf: 139.9272 ISEaf: 13.4328 ISEf : 88.7745 ISE Médio 88.7745	ISE ISExf: 47.2028 ISEyf: 198.4942 ISEzf: 0 ISErf: 80.6754 ISEbf: 130.3914 ISEaf: 9.1947 ISEf : 77.6598 ISE Médio 77.6598