

Simulação Formação 5 Pos

Ganhos

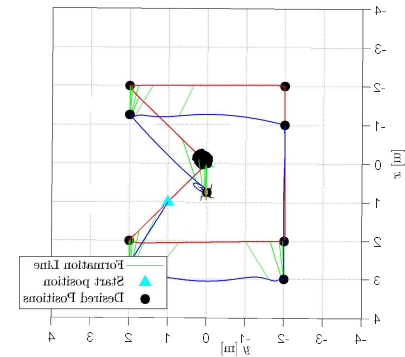
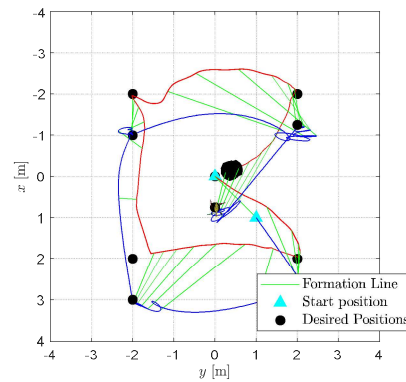
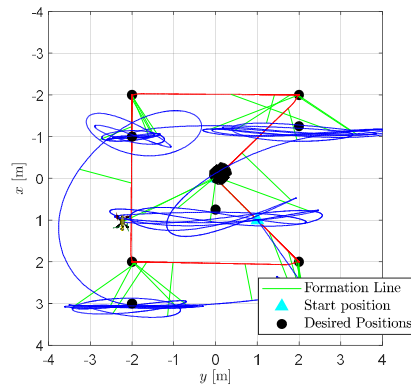
% Ajusted Gains

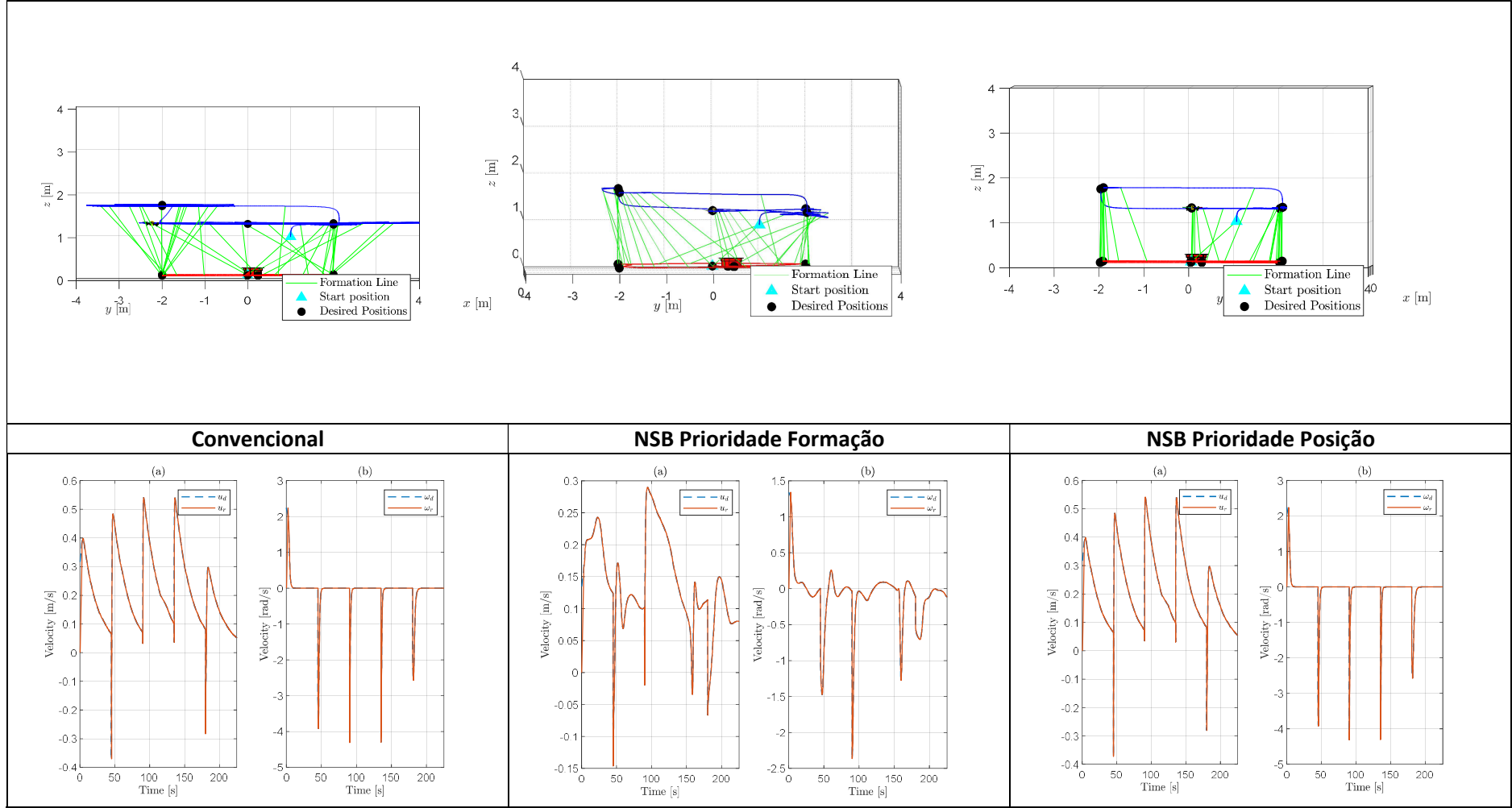
NSBF.pPar.K1 = 1*diag([1.6 1.6 0.4 0.5 0.35 0.35]); % kinematic control gain - controls amplitude

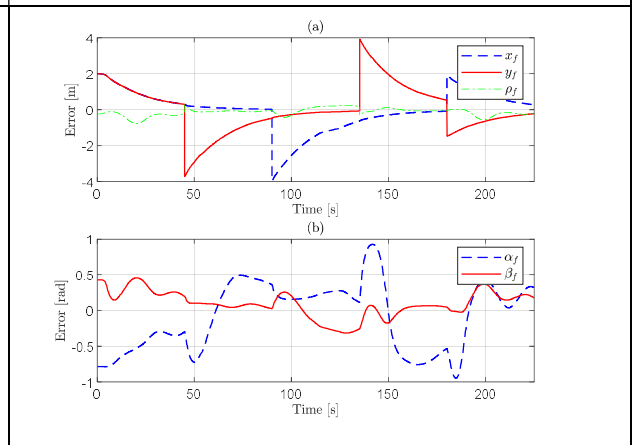
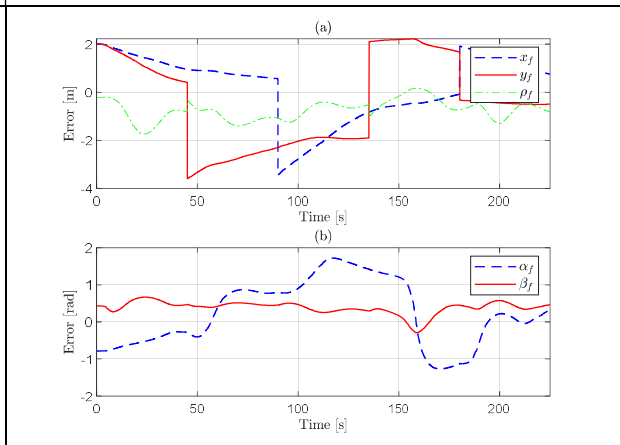
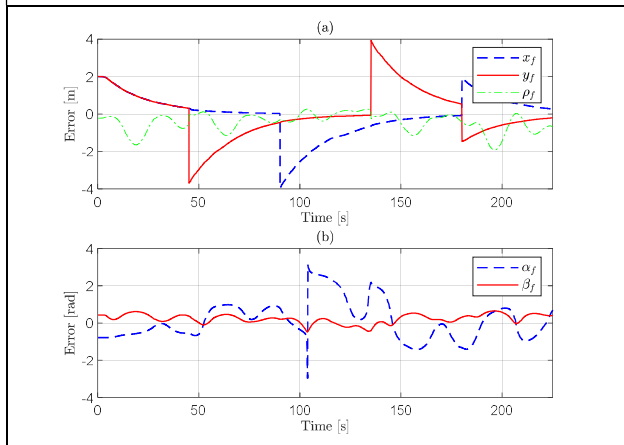
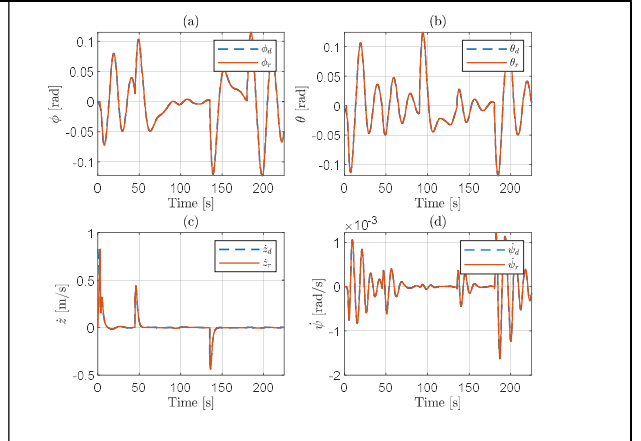
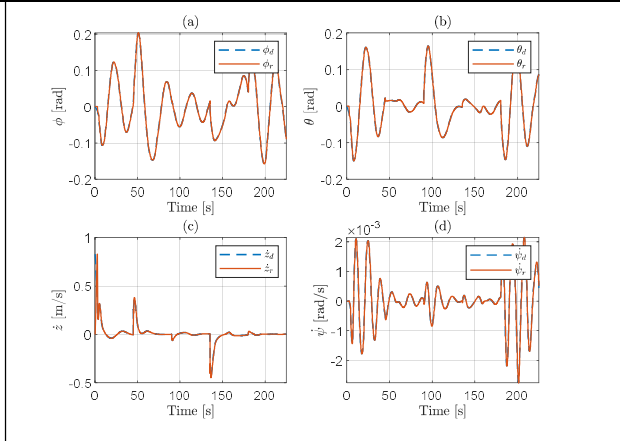
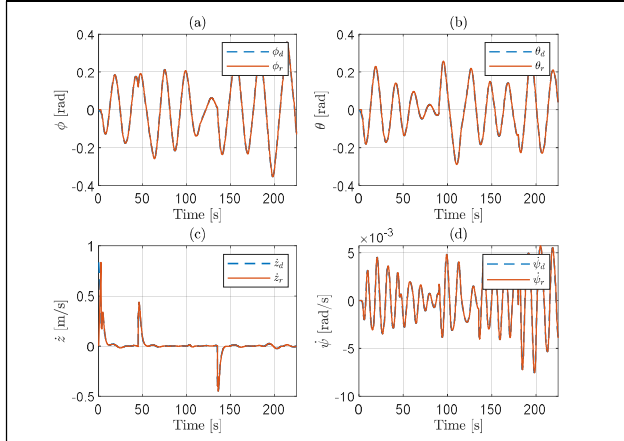
NSBF.pPar.K2 = 1*diag([0.1 0.1 0.1 0.2 0.2 0.2]); % kinematic control gain - control saturation

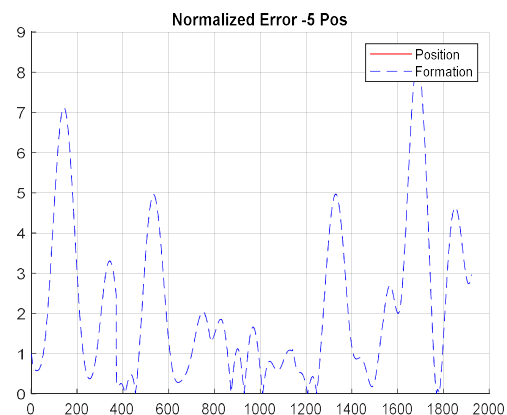
% Desired Positions

```
Qd = [ 2   2   0   1.5   0   pi/3;
      2  -2   0   2     0   pi/3;
     -2  -2   0   2     0   pi/3;
     -2   2   0   1.5   0   pi/3;
      0   0   0   1.5   0   pi/3];
```







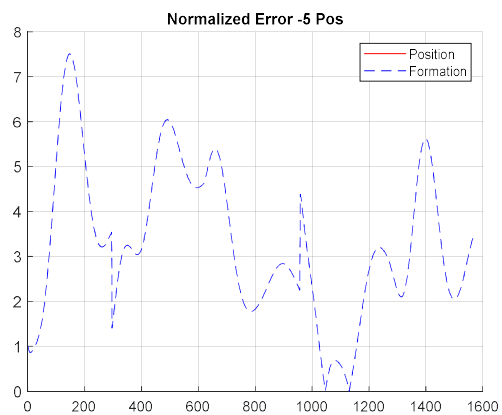


Integral do Erro Absoluto

IAE
 IAE_{xf}: 48.4558
 IAE_{yf}: 65.6496
 IAE_{zf}: 0
 IAE_{rf}: 31.7786
 IAE_{bf}: 52.2059
 IAE_{af}: 18.3064
 IAE_f : 125.4244

IAE Total
 216.3963

Integral do Erro ao Quadrado

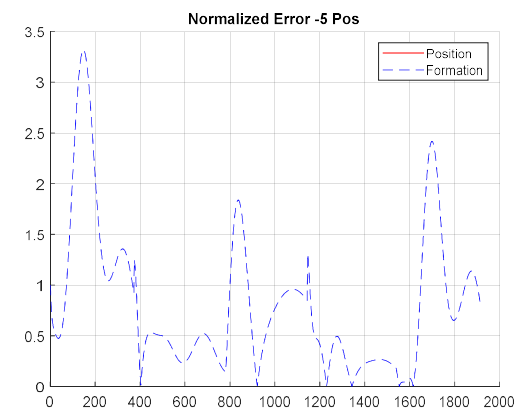


Integral do Erro Absoluto

IAE
 IAE_{xf}: 63.3467
 IAE_{yf}: 88.3692
 IAE_{zf}: 0
 IAE_{rf}: 40.3246
 IAE_{bf}: 40.8077
 IAE_{af}: 21.1304
 IAE_f : 136.7955

IAE Total
 253.9786

Integral do Erro ao Quadrado



Integral do Erro Absoluto

IAE
 IAE_{xf}: 48.3705
 IAE_{yf}: 65.543
 IAE_{zf}: 0
 IAE_{rf}: 12.0918
 IAE_{bf}: 26.9517
 IAE_{af}: 10.3892
 IAE_f : 103.3567

IAE Total
 163.3462

Integral do Erro ao Quadrado

<p>-----</p> <p>ISE</p> <p>ISExf: 76.2827 ISEyf: 115.0903 ISEzf: 0 IS Erf: 28.9511 ISEbf: 67.1311 ISEaf: 7.0611 ISEf : 49.0861</p> <p>ISE Médio 49.0861</p>	<p>-----</p> <p>ISE</p> <p>ISExf: 101.7211 ISEyf: 189.9999 ISEzf: 0 IS Erf: 39.0317 ISEbf: 44.2746 ISEaf: 9.3002 ISEf : 64.0546</p> <p>ISE Médio 64.0546</p>	<p>-----</p> <p>ISE</p> <p>ISExf: 76.2835 ISEyf: 115.085 ISEzf: 0 IS Erf: 4.036 ISEbf: 14.7663 ISEaf: 2.5288 ISEf : 35.4499</p> <p>ISE Médio 35.4499</p>