embedded observer 10° z₁ Error 2 D 10⁻² Z_1 0 10^{-4} z_1 nominal **-**2 \hat{z}_1 observer 10² z₂ Error z_2 nominal \hat{z}_2 observer 2 z₂ Error 10⁰ Z_2 0 10-2 **-**2 5.0 10^{3} z₃ Error 2.5 z₃ Error 10^{1} 0.0 -2.5 z_3 nominal 10^{-1} -5.0 \hat{z}_3 observer 100 z₄ Error 10^{4} 50 Z₄ Error 10² **Z**4 10⁰ -50 z₄ nominal -1002000 z₅ nominal 10⁵ 1000 \hat{z}_5 observer z₅ Error 10^{3} Z_5 0 -1000 10^{1} z₅ Error -2000 100000 z₆ nominal \hat{z}_6 observer 10^{6} 50000 10⁴ 20⁴ 0 -50000z₆ Error -100000 -. 15 . 25 20 0 5 10 30 35 40 0 5 10 15 20 25 30 35 40 Time (s) Time (s)