embedded observer 3 10^{0} z₁ Error z_1 nominal -- \hat{z}_1 observer 10^{-4} z₁ Error 2 Z_1 10^{-8} 1 10^{-12} 1.0 z_2 nominal z₂ Error 10⁰ \hat{z}_2 observer 0.5 10⁻⁴ 0.0-0.510-8 -1.01.0 z_3 nominal z₃ Error \hat{z}_3 observer 10^{2} 0.5 10⁻² 10⁻² $^{\circ}_{N}$ 0.0 -0.5 10^{-6} -1.01.0 z₄ Error z_4 nominal 10⁵ \hat{z}_4 observer 0.5 Z₄ Error V 0.0 10^{1} -0.5 10^{-3} -1.01.0 z_5 nominal z₅ Error 10^{7} \hat{z}_5 observer 0.5 z₅ Error 10^{3} 0.0-0.510-1 -1.01.0 z_6 nominal z₆ Error 10⁹ \hat{z}_6 observer 0.5 Z₆ Error 9 0.0 -0.5 10^{1} -1.01.0 z₇ Error z_7 nominal 10^{10} $---\hat{z}_7$ observer 0.5 z₇ Error 10^{6} 0.0 10^{2} -0.5-1.010 20 30 40 50 60 70 80 Ó 10 20 30 40 50 60 70 80 Time (s) Time (s)