























**Figure 4: State trajectory and control input for the NCS  $\Sigma_b$ .**

If compared with existing results on NCS, the main drawback of the proposed results is in the assumption of incremental stability on the plant control systems. One way to overcome this crucial assumption is to leverage the results reported in [20], which propose symbolic models approximating (possibly) unstable nonlinear control systems in the sense of alternating approximate simulation. This point is under investigation.

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