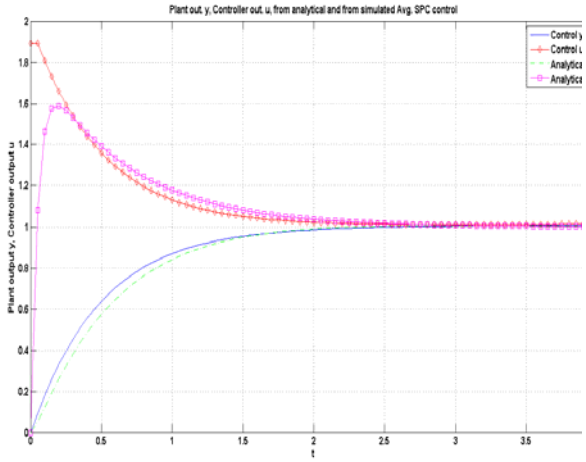

Figure 1. Plant output y and controller output u from the analytical study and the Avg. SPC control simulation for $dt = 0.05$ and $\gamma = 0.5$. For these values the analytical study yields the time constants $\tau_{fast} = 0.061$ and $\tau_{slow} = 0.63$. The slow time constant of the plant output from the simulation appears to be around 0.55.

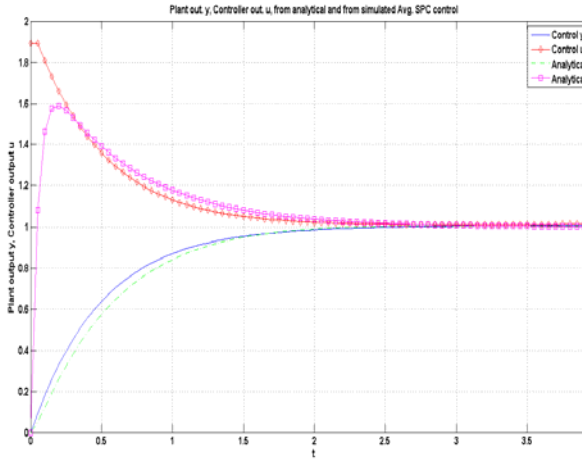

Figure 2. Plant output y and controller output u from the analytical study and the Avg. SPC control simulation for $dt = 0.05$ and $\gamma = 1$. For these values the analytical study yields the time constants $\tau_{fast} = 0.05$ and $\tau_{slow} = 0.635$. The slow time constant of the plant output from the simulation appears to be around 0.55.

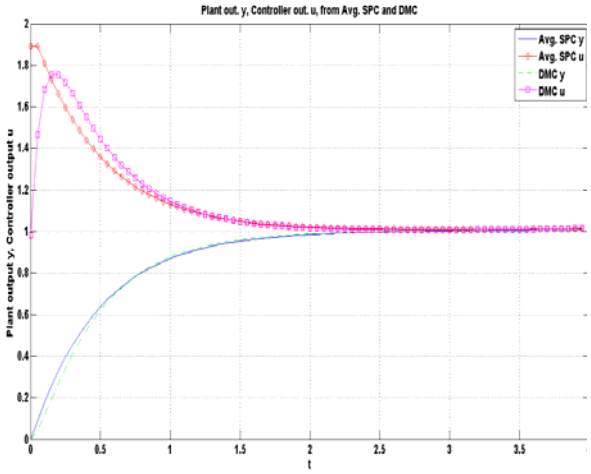

Figure 3. Plant output y and controller output u from theAvg. SPC and the DMC control simulations. dt = 0.05, γ = 1, and the DMC move suppression is 1.01.

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