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Lab1 Exercise 1

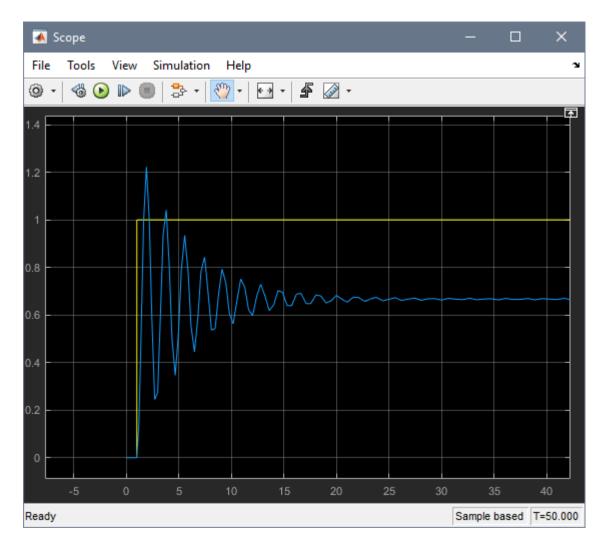


Table 1.1 Overall performances for the open-loop system

Overshoot – σ [%]	83.3854
Rise Time – t _r [sec]	0.3146
Peak Time – t _p [sec]	1.2226
Settling Time – t₅ [sec]	1.2226
Steady-state error – ess	0.3527

Exercise 2:

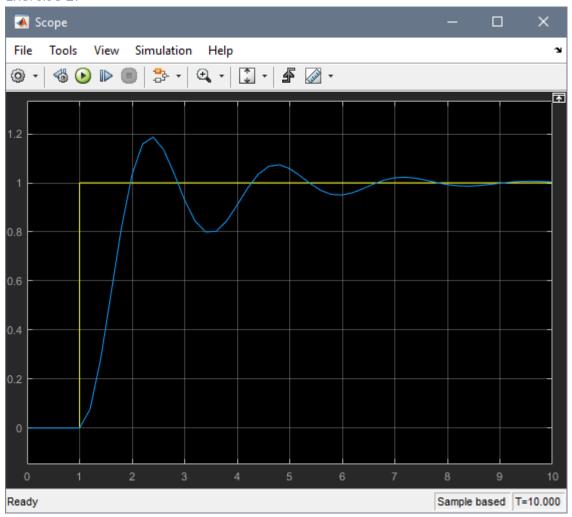
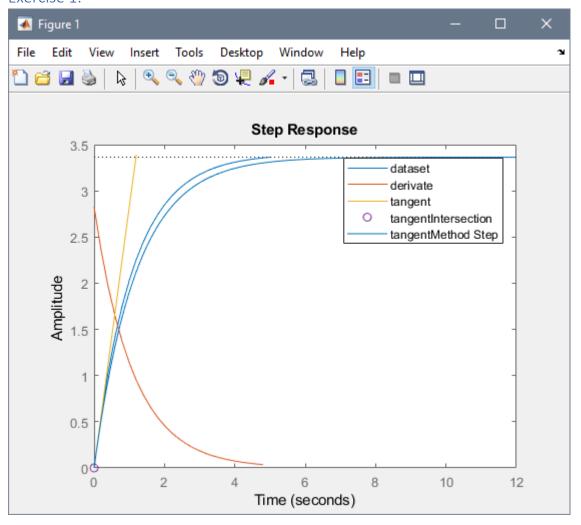


Table 1.2 Overall performances for the closed-loop control system

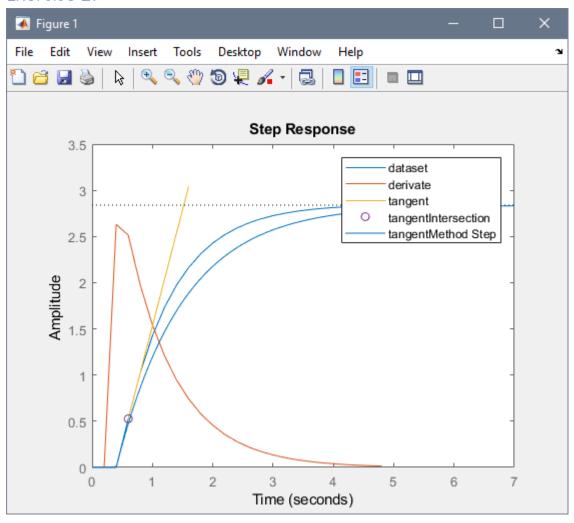
Overshoot – σ [%]	18.64
Rise Time – t _r [sec]	0.6414
Peak Time – t _p [sec]	1.3184
Settling Time – ts [sec]	1.1864
Steady-state error – ess	0

Lab2

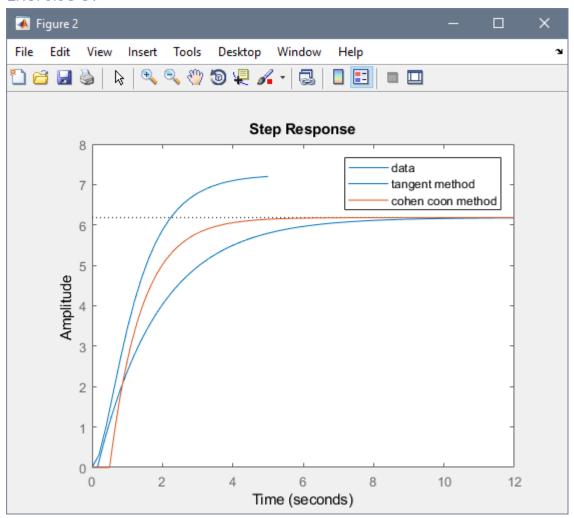
Exercise 1:



Exercise 2:



Exercise 3:



Source code:

https://github.com/SandorKelemen/IPC-Lab