Control Engineering II - Project

Assignment 5

The transfer function of the process from the closed loop system shown in Fig. 1 is given as

$$H_f(s) = \frac{K_f}{s(T_f s + 1)}$$

Requirement: Compute a controller using a discrete-time tuning method such that the closed-loop system's settling time is 10s.

Handout: A short documentation containing the chosen method (motivate your choice), the obtained controller and the closed loop system performance. Analyze the control signal generated by your controller.