ChE 436
Notes on Q5.1 and Q5.2

On Q5.1 and Q5.2, please do not re-compute the values of K_p, τ_p, and θ_p. Use the values and conditions for steady-state from Q3.1 and Q3.2, respectively. See the answer key if your answers were wrong.

For Q3.1, in the range near the level of 3.0 m,
    $K_p = 0.107$ m/%
    $\tau_p = 1.53$ min
    $\theta_p = 0.59$ min

For Q3.2, in the range near the exit temperature of 133°C,
    $K_p = -0.344$ °C /%
    $\tau_p = 0.918$ min
    $\theta_p = 0.86$ min