

Errata for 2nd Printing of Bequette, Chemical Process Control: Modeling, Design and Simulation

The problem statement for Problem 5.10 on page 188 should have the following second-order process:

$$g_{p1}(s) = \frac{1}{(s+1)(s-2)}$$

The problem statement for Problem 5.11, part (b) on page 188 should state: “It turns out that $k_c = 4$ will yield a stable closed loop...” instead of $k_c = 2$.

On page 451, the last equation for the quad tank process should have a k_1 , not a k_2 ; the correct equation reads

$$\frac{dh_4}{dt} = -\frac{a_4}{A_4} \sqrt{2gh_4} + \frac{(1-\gamma_1)k_1}{A_4} v_1$$

On page 452, the units for A_i should be cm^2 , not cm^3 . The units for the steady state pump voltages $v_{i,s}$ should be V, not cm.

Problem 14.5 statement (page 450) – second line – replace “in Section 14.8.3” with “on page 447”