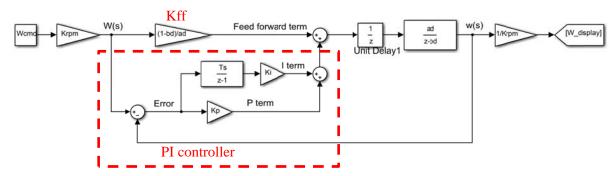
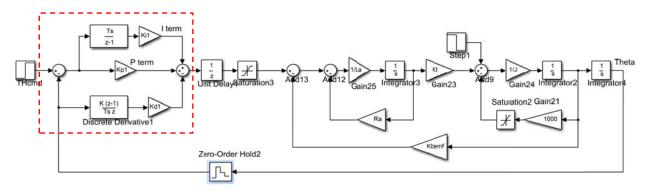
The code for implementing PID controller is simple; it only takes two or three lines as shown below. The trick is not in the coding; it is about knowing how to determine the control constants and how to justify your choices of these constants. That is why 80% of the materials in the lecture note is devoted to that.

PI controller coding



The following is the code for PI controller + feedforward term (as represented in the dashed box above).

PID controller coding



The following is the code for PI controller + feedforward term (as represented in the dashed box above).