

Block diagram:

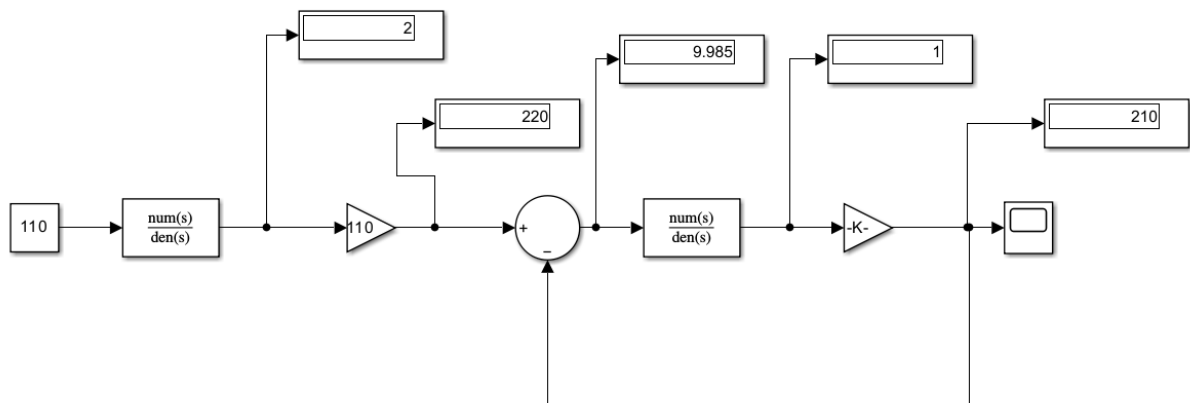


Figure 1: Block diagram of a DC Generator in Simulink

Output waveshape:

Figure 2: Simulation result in Simulink