Control Systems

Topics Covered

Block diagram reduction technique

Figure 2.14 Second-order feedback control system

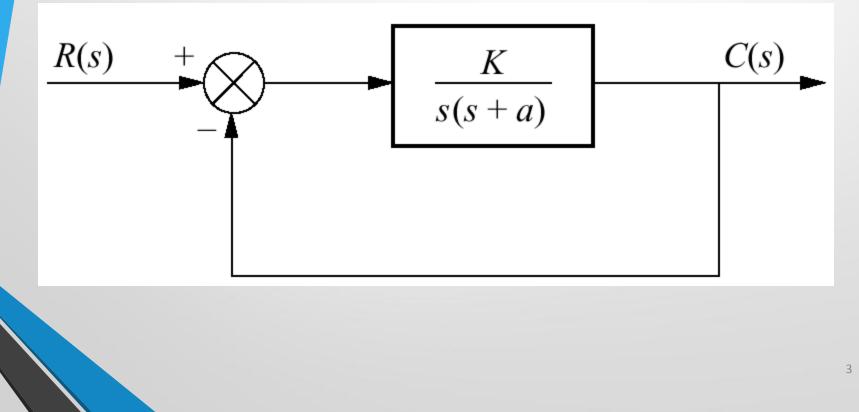


Figure 2.15 Feedback system

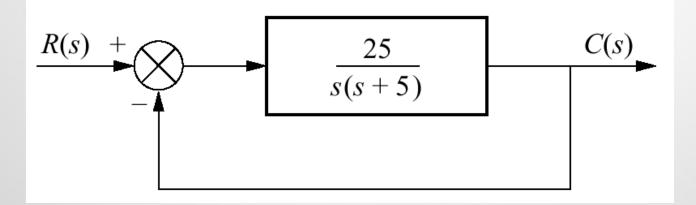


Figure 2.16 Feedback system

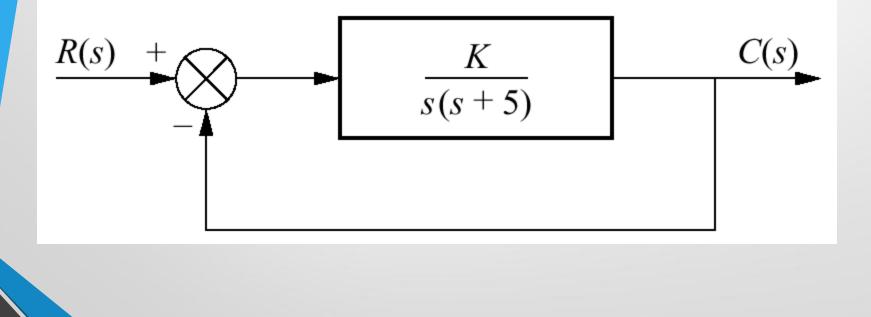
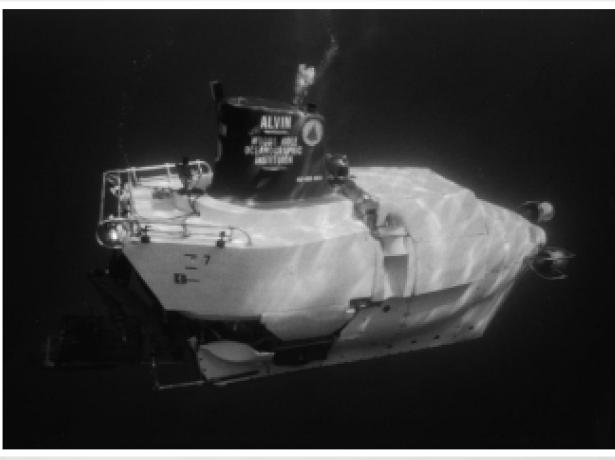


Figure 5.34 Alvin, a manned submersible, explored the wreckage of the*Titanic* with a tethered robot, Jason Junior.



Block diagram reduction for the antenna azimuth position control system: a. original; **b.** pushing input potentiometer to the right past the summing junction; c. showing equivalent forward transfer function; d. final closed-loop transfer function

