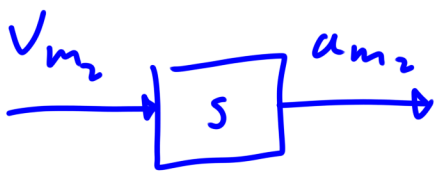
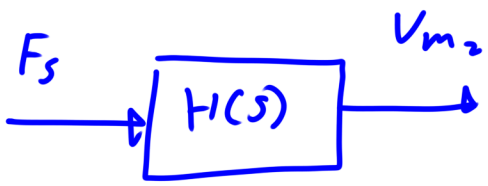
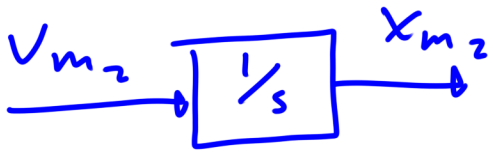


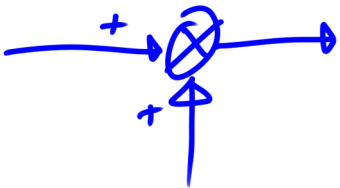
Block Diagrams



derivative



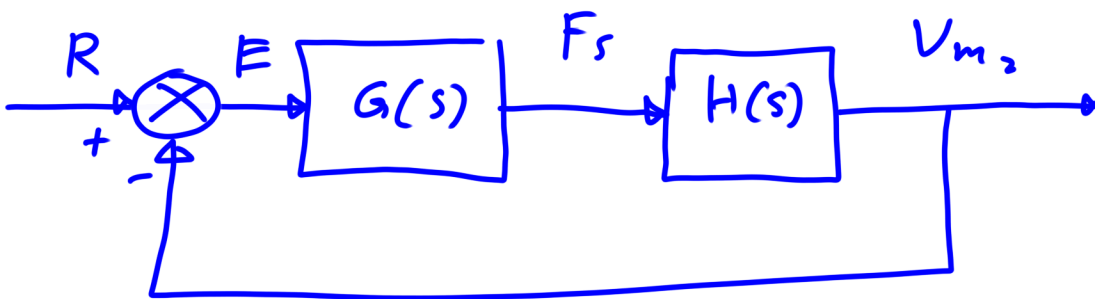
integration



sum



difference



$$E = R - V_{m_2}$$

$$F_s = E G(s)$$

$$V_{m_2} = F_s H(s)$$

$$= E G(s) H(s)$$

$$V_{m_2} = (R - V_{m_2}) G(s) H(s)$$

$$V_{m_2} = R G(s) H(s) - V_{m_2} G(s) H(s)$$

$$V_{m_2} + V_{m_2} G(s) H(s) = R G(s) H(s)$$

$$V_{m_2} (1 + G(s) H(s)) = R G(s) H(s)$$

$$\frac{V_{m_2}}{R} = \frac{G(s) H(s)}{1 + G(s) H(s)}$$