Figure 11.21 Responses of steam and hydraulic generating units to a small step increase in load demand; values shown are in per unit of the step change.
Typical values:

\[ R_p = 0.05 \quad T_G = 0.2 \text{ s} \quad M = 6.0 \text{ s} \quad D = 1.0 \]
\[ T_w = 1.0 \text{ s} \quad R_T = 0.38 \quad T_R = 5.0 \text{ s} \]

**Figure 11.20** Block diagram of hydraulic unit

**Figure 11.22** Addition of integral control on generating units selected for AGC