

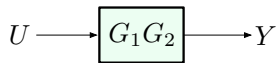
Basic System Interconnections: Series & Parallel

Series connection



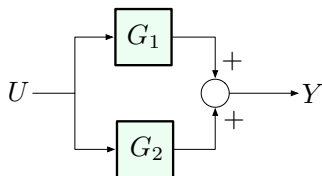
(G is common notation for t.f.'s)

$$\frac{Y}{U} = G_1 G_2$$



(for SISO systems, the order of G_1 and G_2 does not matter)

Parallel connection



$$\frac{Y}{U} = G_1 + G_2$$

