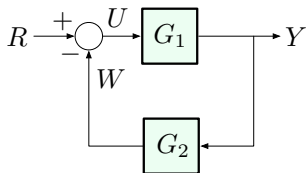


Basic System Interconnections: Negative Feedback



Find the transfer function from R (reference) to Y

$$\Rightarrow Y = \frac{G_1}{1 + G_1 G_2} R$$

$$U = R - W$$

$$Y = G_1 U$$

$$= G_1 (R - W)$$

$$= G_1 R - G_1 G_2 Y$$

