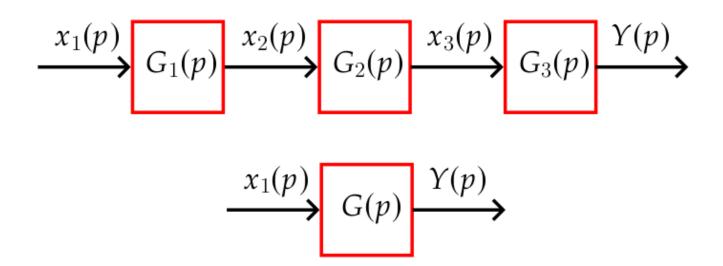
Manipulation des schémas blocs

#comportement_des_systemes_analogiques

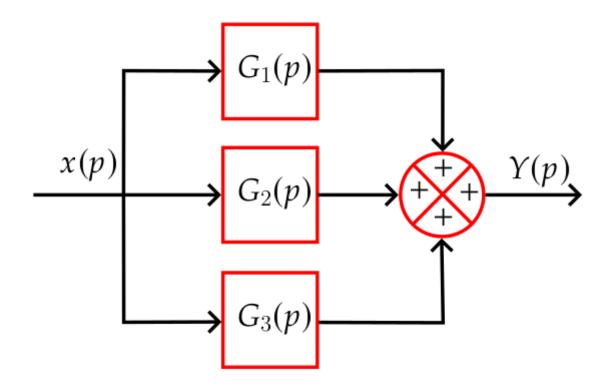
Boucle ouverte

Blocs en cascade



$$egin{aligned} ullet rac{x_2(p)}{x_1(p)} &= G_1(p) \ ullet G(p) &= G_1(p) imes G_2(p) imes G_3(p) \ ullet rac{Y(p)}{x_1(p)} &= G(p) \end{aligned}$$

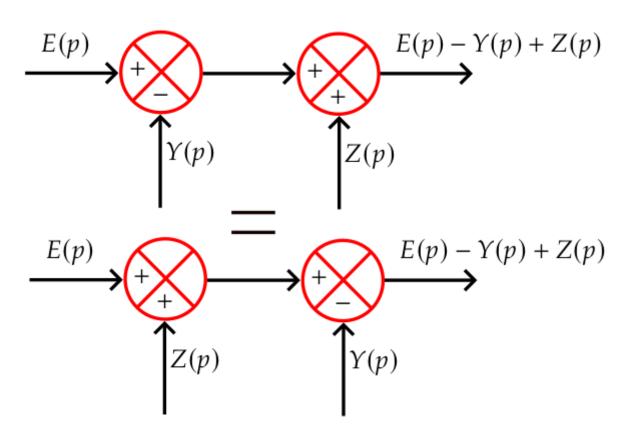
Blocs en parallèle



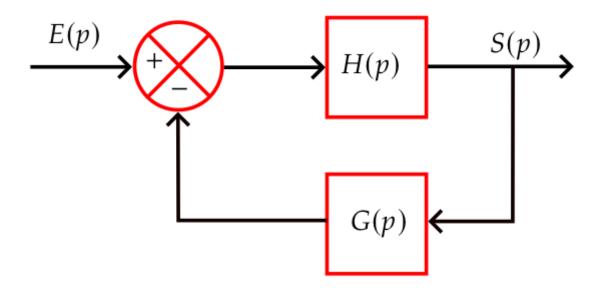
•
$$G(p) = G_1(p) + G_2(p) + G_3(p)$$

•
$$\frac{Y(p)}{X(p)} = G(p)$$

Comparateurs en série



Boucle fermé



Formule de Black

$$\frac{S(p)}{E(p)} = \frac{H(p)}{H(p)G(p)}$$