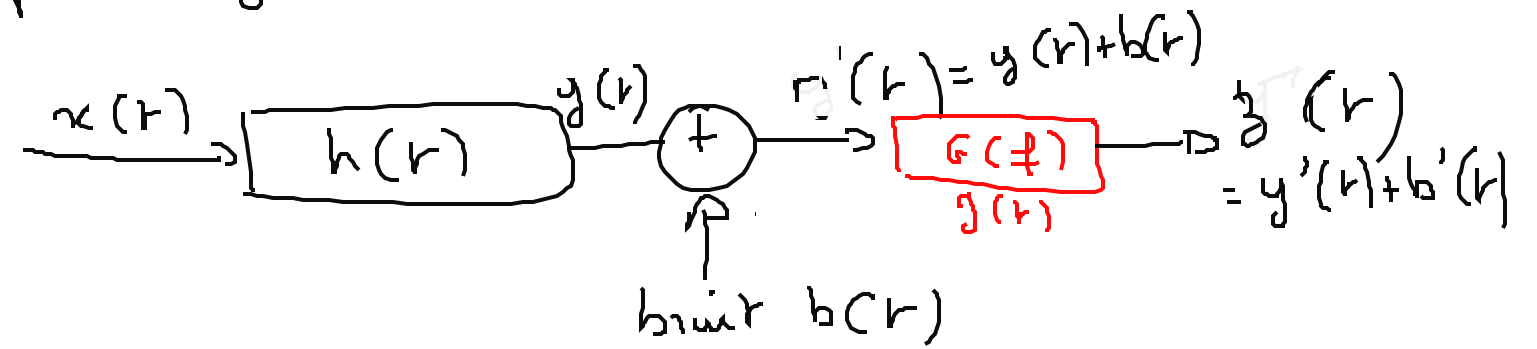
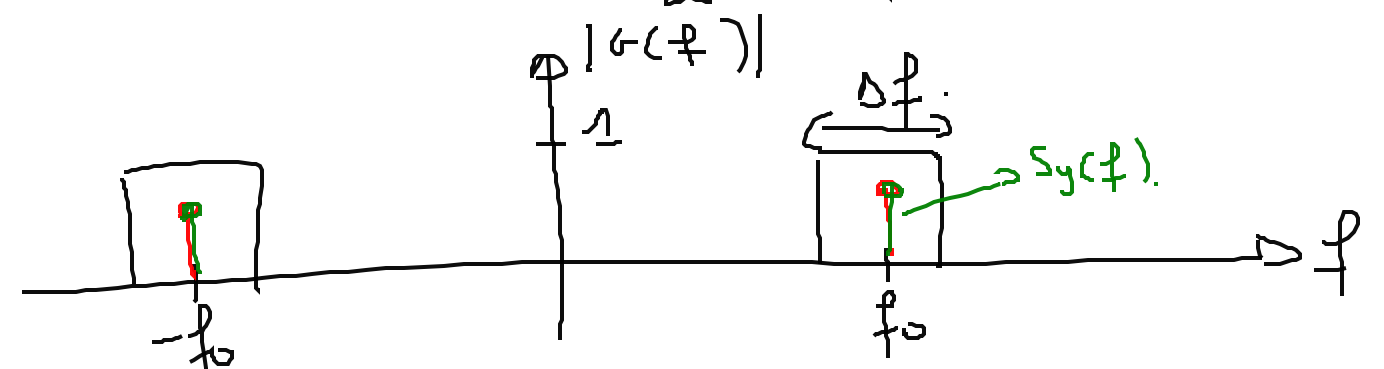


Reception $y(t)$



Bruit : $S_b(f) = \frac{N_0}{2} \quad \forall f$.



$$S_z(f) = |G(f)|^2 \cdot S_r(f)$$

On s'intéresse au signal utile

$$S_{y'}(f) = |G(f)|^2 \cdot S_y(f) \quad \text{si } \Delta f \neq 0$$

$$|G(f_0)|^2 = |G(f)|^2 \cdot \frac{c^2}{2} (\delta(f-f_0) + \delta(f+f_0)) * (1 + a^2 + \dots)$$

$$S_{y'}(f) = S_y(f)$$