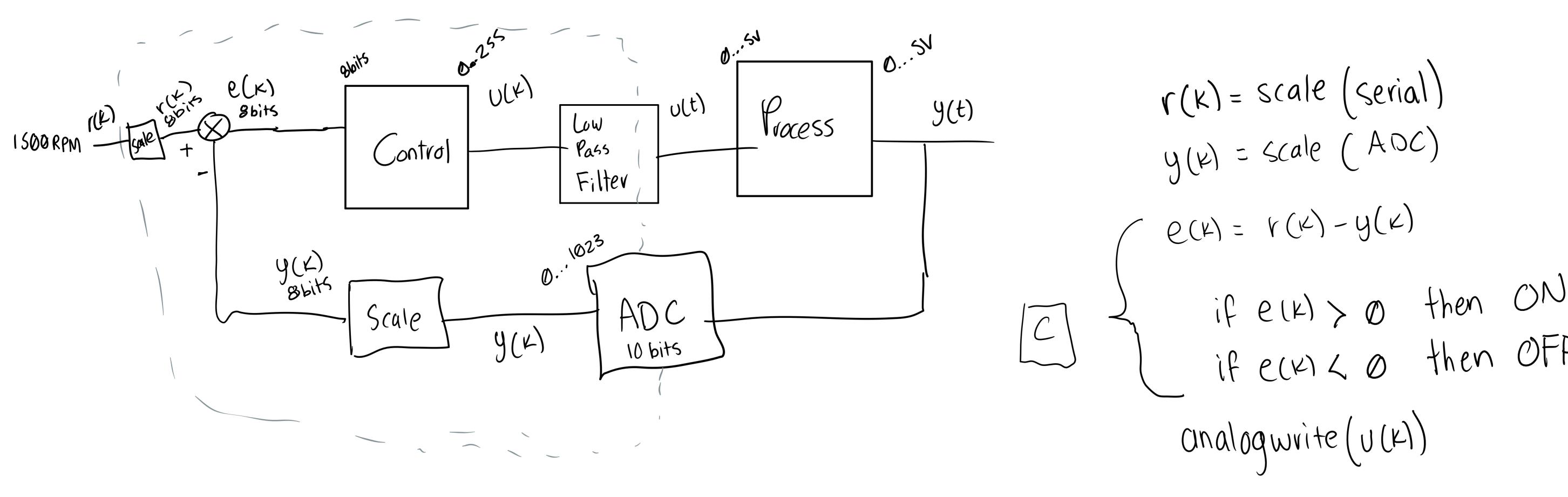
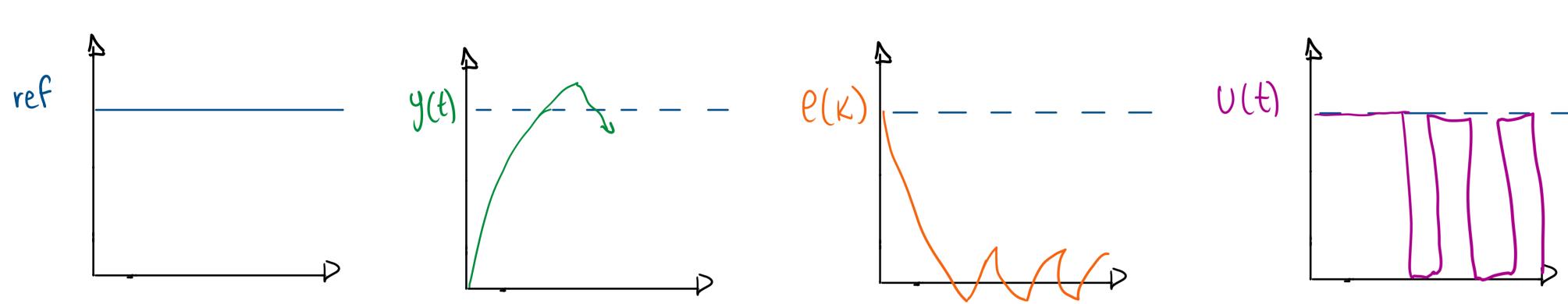
(ontrollers (ON/OFF and P)

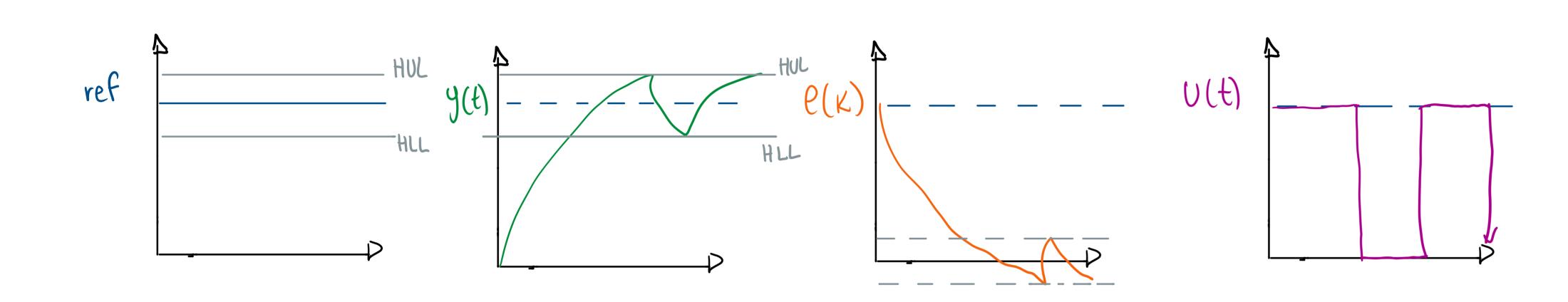


if e(k) > 0 then ON u(k) = 100% = 255if e(k) < 0 then OFF u(k) = 0% = 0



Es un Controlador No lineal

ON/OFF with Hysteresis



Control

$$K_{p} = \frac{U(s)}{E(s)} = \frac{U(k)}{E(c)}$$

$$\vdots \quad U(k) = K_{p}E(k)$$
if $u(k) > (Usat = 2ss)$

$$u(k) = Usat$$

$$u(k) = Usat$$

$$u(k) = Usat$$

$$v(k) = Lsat$$

$$v(k) = Lsat$$

$$v(k) = Lsat$$

TAREA

Vominal testing step = 1500 RPM close loop step response

