Sisteme de reglone cu timp mont

First Order Systems

Poli Dominanti -> nadocimle numitorulni
la H

-> neglijare polul real -> se imparte
cu modulul sain la numarator

Timp Mont -s
$$\gamma(t) = x(t - T)$$

 $T \rightarrow deal time/{ag}$
 $H(s) = \frac{L[x(x - T)]}{L[x(t)]} = e^{-sT}$
 $(x(s) e^{-sT})$

-> Aproximati Pade

a)
$$e^{-\sqrt{1}} = \frac{1 - \frac{1}{2}T_3}{1 + \frac{1}{2}T_3}$$

b) $e^{-\sqrt{1}} = \frac{1 - \frac{1}{2}T_3}{1 + \frac{1}{2}T_3} + \frac{1}{72}T_3^2$
 $1 + \frac{1}{2}T_3 + \frac{1}{42}T_3^2$

Pis controllers -> feedback controller

Proportional- Integral-derivative

First Order

$$\frac{C(s)}{E(s)} = \frac{k}{1+Ts}$$

771-Im