

Hya1(s)=? Hyv(s)=? > aferente PC (buclā deschisā) Hzw(s)=?) aferente 3RA Hzv(s)=? (buclā înclusā) HZV(S) = ?

 $H_{RG}(s) = \frac{k(1+sT)}{sT} = \frac{1\cdot(1+0.5\Delta)}{0.5\Delta}$

=> HRG(S)= 1+0,51 (ET-Pi)

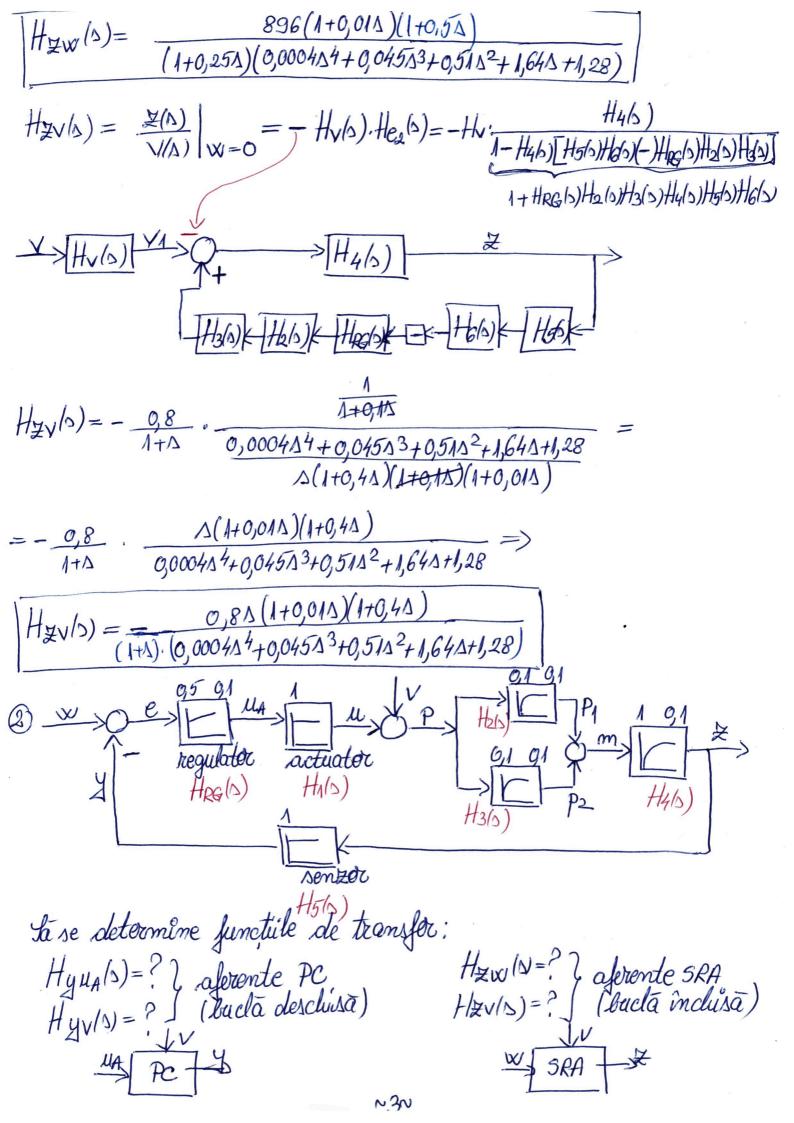
HV/D)= 0,8 (ET-PTA)

$$H_{1}(\Delta) = \frac{0.7}{1+0.251\Delta} (ET-PI_{1})$$
 $H_{2}(\Delta) = 100 (ET-P)$
 $H_{3}(\Delta) = \frac{6.4}{1+0.4\Delta} (ET-PI_{1})$

Hyai(s) =
$$\frac{y(s)}{a_1(s)}\Big|_{Y=0}$$
 = $H_2(s), H_3(s), H_4(s), H_5(s)H_6(s) =$

$$= 100 \cdot \frac{6,4}{1+0,4\Delta} \cdot \frac{1}{1+0,1\Delta} \cdot \frac{0,001}{1+0,01\Delta} = \frac{0,64}{(1+0,4\Delta)(1+0,1\Delta)(1+0,01\Delta)}$$

$$\begin{aligned} & = \frac{|H_{Y,Q_1}(\Delta)|}{|(1+0,0\Lambda\Delta)(1+0,1\Lambda)(1+0,4\Lambda)} \\ & = \frac{|H_{Y,Q_1}(\Delta)|}{|V(\Delta)|} = \frac{|H_{Y,Q_1}(\Delta)|}{|V(\Delta)|} = \frac{|H_{Y,Q_1}(\Delta)|}{|V(\Delta)|} + \frac{|H_{Y,Q_1}(\Delta)|}{|V(\Delta)|} + \frac{|H_{Y,Q_1}(\Delta)|}{|V(\Delta)|} = \frac{|H_{Y,Q_1}(\Delta)|}{|V(\Delta)|} + \frac{|H_{Y,Q_1}(\Delta)|}{|V(\Delta)|}$$



$$\begin{aligned} &H_{RG}(s) = \frac{A_{0}(1+\delta T)}{\Delta T} = \frac{O_{0}f(1+O_{1}\Delta)}{O_{0}A\Delta} = \frac{f(1+O_{1}\Delta)}{\Delta}(ET-P)^{s}) \\ &H_{0}(s) = A(ET-P) \\ &H_{2}(s) = \frac{O_{1}}{A+O_{1}\Delta}(ET-PA) \\ &H_{3}(s) = \frac{O_{1}}{A+O_{1}\Delta}(ET-PA) \\ &H_{4}(s) = \frac{A_{1}}{A+O_{1}\Delta}(ET-PA) \\ &H_{5}(s) = A(ET-P) \\ &H_{5}(s) = A(ET-P) \\ &H_{5}(s) = A(ET-P) \\ &H_{5}(s) = \frac{A_{1}(s)}{A_{1}(s)}|_{V=0} = H_{1}(s) \cdot H_{23}(s) \cdot H_{4}(s) H_{5}(s) = A \cdot \frac{O_{2}}{A+O_{1}\Delta} \cdot \frac{A_{1}O_{1}\Delta}{A+O_{1}\Delta} \cdot I =) \\ &H_{5}(s) = \frac{A_{1}(s)}{A_{1}(s)}|_{V=0} = H_{23}(s) \cdot H_{4}(s) H_{5}(s) = A \cdot \frac{O_{2}}{A+O_{1}\Delta} \cdot \frac{A_{1}O_{1}\Delta}{A+O_{1}\Delta} \cdot I =) \\ &H_{5}(s) = \frac{A_{1}(s)}{A+O_{1}\Delta}|_{A=0} = H_{23}(s) \cdot H_{4}(s) H_{5}(s) = \frac{O_{2}}{A+O_{1}\Delta} \cdot \frac{A_{1}O_{1}\Delta}{A+O_{1}\Delta} \cdot I =) \\ &H_{5}(s) = \frac{A_{1}(s)}{A+O_{1}\Delta}|_{A=0} = \frac{A_{23}(s) \cdot H_{4}(s) H_{5}(s) + A_{1}(s)}{A+O_{1}\Delta} \cdot \frac{A_{1}A+O_{1}\Delta}{A+O_{1}\Delta} = \frac{A_{1}A+O_{1}\Delta}{A+O_{1}\Delta} \cdot \frac{A_{1}A+O_{1}\Delta}{A+O_{1}\Delta} = \frac{A_{1}A+O_{1}\Delta}{A(1+O_{1}\Delta)(1+O_{1}\Delta)} = \frac{A_{1}A+O_{1}\Delta}{A(1+O_{1}\Delta)(1+O_{1}\Delta)(1+O_{1}\Delta)} = \frac{A_{1}A+O_{1}\Delta}{A(1+O_{1}\Delta)(1+O_{1}\Delta)(1+O_{1}\Delta)} = \frac{A_{1}A+O_{1}\Delta}{A(1+O_{1}\Delta)(1+O_{1}\Delta)(1+O_{1}\Delta)} = \frac{A_{1}A+O_{1}\Delta}{A(1+O_{1}\Delta)(1+O_{1}\Delta)(1+O_{1}\Delta)} = \frac{A_{1}A+O_{1}\Delta}{A(1+O_{1}\Delta)(1+O_{1}\Delta)(1+O_{1}\Delta)} = \frac{A_{1}A+O_{1}\Delta}{A(1+O_{1}\Delta)(1+O_{1}\Delta)(1+O_{1}\Delta)} = \frac{A_{1}A+O_{1}\Delta}{A(1+O_{1}\Delta)(1+O_{1}\Delta)(1+O_{1}\Delta)(1+O_{1}\Delta)} = \frac{A_{1}A+O_{1}\Delta}{A(1+O_{1}\Delta)(1+O_{1}\Delta)} = \frac{A_{1}A+O_{1}\Delta}{A(1+O_{1}\Delta)(1+O_{1}\Delta)} = \frac{A_{1}A+O_{1}\Delta}{A(1+O_{1}\Delta)(1+O_{1}\Delta)(1+O_{1}\Delta)} = \frac{A_{1}A+O_{1}\Delta}{A(1+O_{1}\Delta)(1+O_{1}\Delta)(1+O_{1}\Delta)} = \frac{A_{1}A+O_{1}\Delta}{A(1+O_{1}\Delta)(1+O_{1}\Delta)(1+O_{1}\Delta)} = \frac{A_{1}A+O_{1}\Delta}{A(1+O_{1}\Delta)(1+O_{1}\Delta)(1+O_{1}\Delta)} = \frac{A_{1}A+O_{1}\Delta}{A(1+O_{1}\Delta)(1+O_{1}\Delta)} = \frac{A_{1}A+O_{1}\Delta}{A(1+O_{1}\Delta)} = \frac{A_{1}A+O_{1}\Delta}{A(1+O_{1}\Delta)} = \frac{A_{1}A+O_{1}\Delta}{A(1+O_{1}\Delta)}$$

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$$H_{2V}(s) = \underbrace{\frac{H_{23}(s)H_{4}(s)}{N(s)}}_{N(s)} = \underbrace{\frac{H_{23}(s)H_{4}(s)H_{4}(s)H_{5}(s)H_{4}(s)H_{5}(s)}_{1-H_{23}(s)H_{4}(s)H_{5}(s)H_{4}(s)H_{5}(s)}_{1-H_{23}(s)H_{4}(s)H_{5}(s)} = \underbrace{\frac{G_{2}}{(1+O_{1}A_{2})(s)H_{2}(s)}_{(1+O_{1}A_{2})(s)H_{4}(s)H_{5}(s)}_{(1+O_{1}A_{3})(s)A_{2}(s)H_{4}(s)H_{5}(s)}_{1-H_{23}(s)H_{4}(s)H_{5}(s)} = \underbrace{\frac{G_{2}}{(1+O_{1}A_{3})(s)A_{2}(s)}_{(1+O_{1}A_{3})(s)A_{2}(s)}_{(1+O_{1}A_{3})(s)A_{2}(s)}_{(1+O_{1}A_{3})(s)A_{2}(s)}_{(1+O_{1}A_{3})(s)A_{2}(s)}_{(1+O_{1}A_{3})(s)A_{2}(s)}_{1-H_{23}(s)A_{3}(s)}_{1-H_{23}(s)A_{3}(s)}_{1-H_{23}(s)A_{3}(s)}_{1-H_{23}(s)A_{3}(s)A_{4}(s)A_{3}(s)A_{4}(s)}_{1-H_{23}(s)A_{3}(s)A_{4}(s)A_{3}(s)A_{4}(s)}_{1-H_{23}(s)A_{4}(s)A_{3}(s)A_{4}(s)A_$$

Functia de transfer a regulation lui este: HRG(s)= 2(1+21)(ET-PATA)

HZW(A)=?