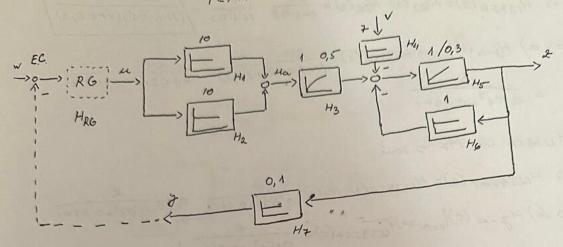
TEMA TS NR 4



Stabilin Tipul Consciencios nº Grupam:

$$=) H_{56}(s) = \frac{H_{5}(s)}{1 + H_{5}(s) \cdot H_{6}(s)} = \frac{\frac{1}{1 \cdot 0.3}}{1 + \frac{1}{3 \cdot 0.3} \cdot 1} = \frac{1}{3 \cdot 0.3} \cdot \frac{1 \cdot 0.3}{1 + 1 \cdot 0.3} = \frac{1}{1 + 3 \cdot 0.3}$$

$$H_{123} cu H_{56} \rightarrow gene \\ => H_{12356}(3) = H_{12356}(3) + H_{56}(3) = \frac{20}{(1+3\cdot0.5)} \cdot \frac{1}{(1+3\cdot0.5)} = \frac{20}{(1+3\cdot0.5)(1+3\cdot0.5)} \\ => a) H_{2-u}(3)|_{V=0} = H_{12356}(3) = \frac{20}{(1+3\cdot0.5)(1+3\cdot0.5)} = \frac{1}{(1+3\cdot0.5)(1+3\cdot0.5)} \\ == \frac{20}{0,153^2 + 0,83 + 1} \\ H_{123456} cu H_{7} \rightarrow gene \\ => H_{1234567}(3) = H_{123456}(3) \cdot H_{7}(3) = \frac{20}{0,153^2 + 0,83 + 1} \cdot 0,1 = \frac{2}{0,153^2 + 0,83 + 1} \\ => b) H_{7} - u(3)|_{V=0} = H_{123456}(3) \cdot H_{7}(3) = \frac{20}{0,153^2 + 0,83 + 1} \cdot 0 \\ => b) H_{7} - u(3)|_{V=0} = H_{123456}(3) = \frac{2}{(1+3\cdot0.5)(1+3\cdot0.5)} = \frac{4\pi}{0,153^2 + 0,83 + 1} \cdot 0 \\ => A_{7} - u(3)|_{V=0} = H_{123456}(3) = \frac{2}{(1+3\cdot0.5)(1+3\cdot0.5)} = \frac{4\pi}{0,153^2 + 0,83 + 1} \cdot 0 \\ => A_{7} - u(3)|_{V=0} = \frac{2}{0,153^2 + 0,83 + 1} \cdot 0 \\ => A_{7} - u(3)|_{V=0} = \frac{2}{0,153^2 + 0,83 + 1} \cdot 0 \\ => A_{7} - u(3)|_{V=0} = \frac{2}{0,153^2 + 0,83 + 1} \cdot 0 \\ => A_{7} - u(3)|_{V=0} = \frac{2}{0,153^2 + 0,83 + 1} \cdot 0 \\ => A_{7} - u(3)|_{V=0} = \frac{2}{0,153^2 + 0,83 + 1} \cdot 0 \\ => A_{7} - u(3)|_{V=0} = \frac{2}{0,153^2 + 0,83 + 1} \cdot 0 \\ => A_{7} - u(3)|_{V=0} = \frac{2}{0,153^2 + 0,83 + 1} \cdot 0 \\ => A_{7} - u(3)|_{V=0} = \frac{2}{0,153^2 + 0,83 + 1} \cdot 0 \\ => A_{7} - u(3)|_{V=0} = \frac{2}{0,153^2 + 0,83 + 1} \cdot 0 \\ => A_{7} - u(3)|_{V=0} = \frac{2}{0,153^2 + 0,83 + 1} \cdot 0 \\ => A_{7} - u(3)|_{V=0} = \frac{2}{0,153^2 + 0,83 + 1} \cdot 0 \\ => A_{7} - u(3)|_{V=0} = \frac{2}{0,153^2 + 0,83 + 1} \cdot 0 \\ => A_{7} - u(3)|_{V=0} = \frac{2}{0,153^2 + 0,83 + 1} \cdot 0 \\ => A_{7} - u(3)|_{V=0} = \frac{2}{0,153^2 + 0,83 + 1} \cdot 0 \\ => A_{7} - u(3)|_{V=0} = \frac{2}{0,153^2 + 0,83 + 1} \cdot 0 \\ => A_{7} - u(3)|_{V=0} = \frac{2}{0,153^2 + 0,83 + 1} \cdot 0 \\ => A_{7} - u(3)|_{V=0} = \frac{2}{0,153^2 + 0,83 + 1} \cdot 0 \\ => A_{7} - u(3)|_{V=0} = \frac{2}{0,153^2 + 0,83 + 1} \cdot 0 \\ => A_{7} - u(3)|_{V=0} = \frac{2}{0,153^2 + 0,83 + 1} \cdot 0 \\ => A_{7} - u(3)|_{V=0} = \frac{2}{0,153^2 + 0,83 + 1} \cdot 0 \\ => A_{7} - u(3)|_{V=0} = \frac{2}{0,153^2 + 0,83 + 1} \cdot 0 \\ => A_{7} - u(3)|_{V=0} = \frac{2}{0,153^2 + 0,83 + 1} \cdot 0 \\ => A_{7} - u(3)|_{V=0} = \frac{2}{0,153^2 + 0,83 + 1} \cdot 0 \\ => A_{7} - u(3)|_{V=0} = \frac{2}{0,153^2 + 0,83 + 1} \cdot 0 \\ => A_{7}$$

$$=\frac{16,6}{0,153^{3}+0,83^{2}+3}+\frac{8,3}{0,153^{2}+0,83+1}=\frac{16,6+3\cdot8,3}{0,153^{3}+0,83^{2}+3}$$

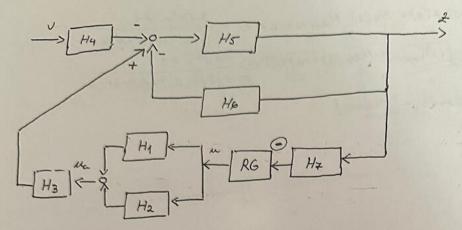
HRG 12356 cm H7 -> reaction "

$$= H_{RG 123567}(1) = \frac{H_{RG 12356}(0)}{1 + H_{RG 12356}(0) \cdot H_{7}(1)} = \frac{16,6 + 0.23}{0,151^{3} + 0.81^{2} + 1} \cdot \frac{0,151^{3} + 0.81^{2} + 1}{1,66 + 0.0,83 + 0.150^{3} + 0.81^{2}}$$

$$= \frac{16,6 + 1.8,3}{0,151^{3} + 0.81^{2} + 1,831 + 1.66}$$

=> c)
$$H_{2-w}(1)|_{V=0} = H_{RG}(123567(1)) = \frac{8,3.5+16,6}{9,151^3+0,81^2+1,835+1,66}$$

Pentre d) H2-2-(1) |w=0=? recliseram schera:



Perturbation v intra au samuel "-" => icsa on semuel "-"
Glabilin Tigul Conescimila a Gruyam:

$$= \frac{1,66}{3+1^2.0,5} + \frac{0,83}{1+1.0,5} = \frac{0,838+1,66}{0,53^2+3}$$

H56 cu HRG 1237 -> reachi , " -> cu Migres!

=>
$$H_{RG123567}(a) = \frac{H_{56}(0)}{1 + H_{56}(0) \cdot H_{RG1237(0)}} = \frac{1}{1 + 0.3.5} \cdot \frac{(1 + 0.35)(0.55^2 + 0)}{(1 + 0.35)(0.55^2 + 0) + 0.835 + 1/4}$$

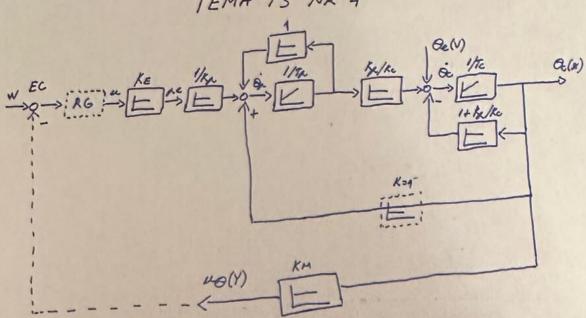
$$= \frac{0,51^2+1}{0,51^2+5+0,151^3+0,31^2+0,835+1,66} = \frac{0,51^2+1}{0,151^3+0,81^2+1,835+1,66}$$

H4 Cu HRG 123567 -> peni

=> HRG1234567(0)= H4(8). HRG123567(0) = 3,502+ 73 0,1583+0,882+4,833+1,66 =) d) H2-2-(3) | WED = HRG 1234567(0) (3,532+7) -> cu sommel , - "Minus!



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Projection Regulator planied formula:

doin sã gingue la a scrien de forma: (1+5.Ti)(1+5.Ta)

la numitor, adia: 1+ 5(4+1/2)+12(4.1/2)

$$h_1 = \frac{1}{2 \cdot h_1 \cdot T_{\Xi}} = \frac{1}{2 \cdot 1/6 \cdot 32/29} = \frac{1}{103,168} = 0,0096$$