

$$H_{1}(0) = \frac{5}{3}(3*1)$$
 $H_{2}(0) = \frac{1}{3}$
 $H_{3}(0) = 0,25$
 $H_{3}(0) = 4$
 $H_{5}(0) = \frac{2}{3+1}$
 $H_{6}(0) = 5$
 $H_{7}(0) = \frac{8}{43+1}$
 $H_{8}(0) = 0,001$

Tipul ET	Simbolizare	Funcția de transfer în timp continuu
P	u k y	$H(s) = \mathbf{k}$
I	"- k y-	$H(s) = \frac{\mathbf{k}_{i}}{s}$
D	" → L y →	$H(s) = sk_{D}$
PT1	" *	$H(s) = \frac{\mathbf{k}}{s\mathbf{T} + 1}$
PI	"→ K T y	$H(s) = \frac{k}{sT}(sT+1)$

$$H_{23}(3) = \underbrace{H_{2}(1)}_{1+H_{3}(0)H_{3}(0)}$$

$$= \underbrace{\frac{1}{3}}_{1+\frac{1}{3}\cdot 0,2T} \cdot \underbrace{\frac{1}{3}}_{1+\frac{1}{43}} \cdot \underbrace{\frac{1}{3}}_{43t} \cdot \underbrace{\frac{1}{43t}}_{43t}$$

$$H_{y} u(a) = H_{23}(a) \cdot H_{1}(a) \cdot H_{5}(a) \cdot H_{7}(a) \cdot H_{8}(a)$$

$$H_{y} u(a) = \frac{u}{h_{3} + a} \cdot \frac{2}{h_{3} + a} \cdot \frac{8}{h_{3} + a} \cdot \frac{1}{1000} = \frac{256}{1000} \cdot \frac{1}{(940) (400)}$$

$$II H_{y} v(a) = \frac{y(a)}{V(a)} | U = 0$$

$$V \longrightarrow H_{6}(a) \longrightarrow H_{7}(a) \longrightarrow H_{8}(a) \longrightarrow H_{8}(a)$$

$$H_{y} v(a) = H_{6}(a) \cdot H_{7}(a) \cdot H_{8}(a)$$

$$H_{y} v(a) = S \cdot \frac{8}{h_{3} + a} \cdot \frac{1}{100} \cdot \frac{1}{h_{7}(a)} = \frac{1}{25(4a + a)}$$

$$III H_{22}(a) = \frac{2(a)}{1(a)} | V = 0$$

$$H_{1}(a) \longrightarrow H_{23}(a) \longrightarrow H_{1}(a) \longrightarrow H_{2}(a) \longrightarrow H_{2}(a) \longrightarrow H_{2}(a)$$

$$H_{8}(a) \longrightarrow H_{1}(a) \longrightarrow H_{23}(a) \longrightarrow H_{1}(a) \longrightarrow H_{2}(a) \longrightarrow H_{2}(a)$$

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$$H_{3}(a) \longrightarrow H_{2}(a) \longrightarrow H_{3}(a) \longrightarrow H_{3}(a) \longrightarrow H_{3}(a)$$

$$H_{4}(a) \longrightarrow H_{2}(a) \longrightarrow H_{3}(a) \longrightarrow H_{3}(a) \longrightarrow H_{3}(a)$$

$$H_{4}(a) \longrightarrow H_{3}(a) \longrightarrow H_{3}(a)$$

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$$H_{4}(a) \longrightarrow H_{3}(a)$$

$$H_{5}(a) \longrightarrow H_{5}(a)$$

$$H_{5}(a) \longrightarrow H_{5}$$

$$H_{7}(s) = H_{2}(s)$$

$$H_{3}(s) = \frac{H_{1}(s) \cdot H_{23}(s) \cdot H_{3}(s) \cdot H_{5}(s) \cdot H_{7}(s)}{1 + H_{1}(s) \cdot H_{23}(s) \cdot H_{3}(s) \cdot H_{5}(s) \cdot H_{5}(s) \cdot H_{5}(s)}$$

$$H_{23458}(s) = \frac{4}{4s+1} \cdot 4 \cdot \frac{2}{3+1} \cdot \frac{1}{1000} = \frac{32}{1000} \cdot \frac{1}{(3+n)(4s+n)}$$

$$\frac{8}{4s+1}$$

$$\frac{4}{14} = \frac{8}{4511}$$

$$\frac{1}{14} = \frac{256}{1000} = \frac{1}{(451)^2}$$

$$= \frac{8}{1000 (541)(4541)^{2}} = \frac{800 (541)(4541)}{1000 (541)(4541)^{2} + 256} = \frac{800 (541)(4541)^{2} + 256}{1000 (541)(4541)^{2}}$$

$$H_{ZY}(s) = -\frac{4000(s+1)(4s+1)}{1000(s+1)(4s+1)^2 + 256}$$

$$\frac{1}{1} + \frac{128}{1005} = \frac{128}{1$$

$$H_{12345}(0) = \frac{5}{3} (941) \cdot \frac{4}{4} \cdot \frac{2}{4 \cdot 541} = \frac{1600}{3(4541)}$$

$$H_{78}(1) = \frac{8}{4541} \cdot \frac{1}{1000} = \frac{8}{1000(4541)}$$

$$H_{1234578}(5) = \frac{1000(4541)}{1000(4541)} = \frac{1626}{3(4541)}$$

$$= \frac{8}{1000[4s+n)}$$

$$= \frac{8 \cdot 355 (4s+n)}{100p[10s(4s+n)^{2} + 8.16]}$$

$$= \frac{105(4s+n)^{2}}{105(4s+n)^{2}}$$

$$H_{YY}(s) = \frac{3(43+1)}{253(43+1)^2+320}$$