poniedziałek, 4 grudnia 2023 21:31

20ed 1

$$U = 59V, U_{2} = 75V, H = 1\frac{4N}{V}, R_{W} = 4000 \Omega$$

$$R_{V} = 1\frac{4N}{V} \cdot 75V = 75 L \Omega$$

$$\Delta_{m}E = -U \cdot \frac{\Omega_{W}}{\Omega_{V}} = -59V \cdot \frac{4000}{75000} = -0,786V \approx -0.8V$$

$$\Delta_{W}U = \frac{1 \cdot 75V}{100} = 0,75V$$

$$U_{ML}(U) = \frac{0,75V}{59V J_{3}} \cdot 400\% = 0,7339\% \approx 0,8\%$$

$$2012$$

$$\begin{split} &\mathcal{U} = 58V \;,\; \mathcal{U}_2 = 100V \;,\;\; \mathcal{R}_W = 1\,\text{M.s.} \;\;,\; \mathcal{R}_V = 40\,\text{M.s.} \\ &\mathcal{L}_{NE} = -\mathcal{U} \cdot \frac{\mathcal{R}_W}{\mathcal{R}_V} = -58V \cdot \frac{1}{10} = -5.8V \approx -6V \\ &\mathcal{L}_{Q} = 0.045\% + 0.00\% \cdot \frac{600}{5\%} = 0,234\% \approx 0.3\% \\ &\mathcal{L}_{NE} = \frac{0.235\%}{\sqrt{3}} = 0.135\% \approx 0.14\% \end{split}$$