ODSEK ZA TELEKOMUNIKACIJE I INFORMACIONE TEHNOLOGIJE ODSEK ZA SIGNALE I SISTEME ODSEK ZA FIZIČKU ELEKTRONIKU

## REŠENJA ZADATAKA

**1.**  $M_1$  - triodna oblast;  $M_2$  - zasićenje;  $V_1 = 0.232$ V  $V_2 = 1.248$ V

## 4.

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\begin{split} &v_{I1}[\mathbf{V}] = 0.5i_G[\mathbf{mA}] + 2.2 \text{, za} - 5\mathbf{mA} \leq i_G \leq -4.4\mathbf{mA} \text{ (IOP- poz. zasićenje, } D_1\text{-OFF, } D_2\text{-ON}); \\ &v_{I1}[\mathbf{V}] = 0 = const \text{, za} - 4.4\mathbf{mA} \leq i_G \leq 0 \text{ (IOP- lin. režim, } D_1\text{-OFF, } D_2\text{-ON}); \\ &v_{I1}[\mathbf{V}] = -i_G[\mathbf{mA}] \text{, za} \quad 0 \leq i_G \leq 4.4\mathbf{mA} \text{ (IOP- lin. režim, } D_1\text{-ON, } D_2\text{-OFF}); \\ &v_{I1}[\mathbf{V}] = -4.4\mathbf{V} = const \text{, za} \quad 4.4\mathbf{mA} \leq i_G \leq 5\mathbf{mA} \text{ (IOP- neg. zasićenje, } D_1\text{-ON, } D_2\text{-OFF}). \\ &v_{I2}[\mathbf{V}] = 4.4\mathbf{V} = const \text{, za} - 5\mathbf{mA} \leq i_G \leq -4.4\mathbf{mA} \text{ (IOP- poz. zasićenje, } D_1\text{-OFF, } D_2\text{-ON}); \\ &v_{I2}[\mathbf{V}] = -i_G[\mathbf{mA}] \text{, za} - 4.4\mathbf{mA} \leq i_G \leq 0 \text{ (IOP- lin. režim, } D_1\text{-OFF, } D_2\text{-ON}); \\ &v_{I2}[\mathbf{V}] = 0 = const \text{, za} \quad 0 \leq i_G \leq 4.4\mathbf{mA} \text{ (IOP- lin. režim, } D_1\text{-ON, } D_2\text{-OFF}); \\ &v_{I2}[\mathbf{V}] = 0.5i_G[\mathbf{mA}] - 2.2 \text{, za} \quad 4.4\mathbf{mA} \leq i_G \leq 5\mathbf{mA} \text{ (IOP- neg. zasićenje, } D_1\text{-ON, } D_2\text{-OFF}). \\ \end{split}
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