Universitatea Tehnică a Moldovei

Facultatea Calculatoare, Informatică și Microelectronică

**RAPORT**

Lucrare de laborator nr.5

La Circuite și Dispozitive Electronice

Tema: Studierea etajelor amplificatoare cu tranzistoare

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Frecventa f, Hz** | | **10** | **60** | **100** | **200** | **400** | **800** | **103** | **5\*103** | **104** | **5\*104** | **105** | **2\*105** | **5\*105** | **106** | **2\*106** | **5\*106** |
| **EC fara reactie** | **Uies, mV** | 6 | 22.4 | 35.5 | 35.5 | 109.8 | 150.2 | 159.7 | 180.9 | 181.5 | 180.6 | 173.3 | 153.5 | 83.5 | 24.5 | 3.7 | 3.1 |
| **Ku** | 0.6 | 2.24 | 3.55 | 6.55 | 10.98 | 15.02 | 15.97 | 18.09 | 18.15 | 18.06 | 17.33 | 15.35 | 8.35 | 2.45 | 0.37 | 0.31 |
| **EC reactie negativa** | **Uies, mV** | 6.1 | 14.6 | 15.7 | 16.9 | 16.4 | 16.5 | 16.4 | 16.3 | 16.27 | 16.4 | 16.2 | 16 | 12 | 4.5 | 3.3 | 3 |
| **Ku** | 0.61 | 1.46 | 1.57 | 1.69 | 1.64 | 1.65 | 1.64 | 1.63 | 1.627 | 1.64 | 1.62 | 1.6 | 1.2 | 0.45 | 0.33 | 0.3 |
| **BC** | **Uies, mV** | 61.3 | 96 | 97.5 | 98.3 | 98.5 | 98.6 | 98.7 | 99 | 99.1 | 98.8 | 97.8 | 95.4 | 67.2 | 23 | 1.7 | 1.5 |
| **Ku** | 6.13 | 9.6 | 9.75 | 9.83 | 9.85 | 9.86 | 9.87 | 9.9 | 9.91 | 9.88 | 9.78 | 9.54 | 6.72 | 2.3 | 0.17 | 0.15 |
| **CC** | **Uies, mV** | 2.4 | 3.4 | 3.5 | 3.53 | 3.53 | 3.53 | 3.53 | 3.53 | 3.53 | 3.4 | 3.2 | 2.75 | 0.62 | 0.3 | 0.23 | 0.2 |
| **Ku** | 0.24 | 0.34 | 0.35 | 0.353 | 0.353 | 0.353 | 0.353 | 0.353 | 0.353 | 0.34 | 0.32 | 0.275 | 0.062 | 0.03 | 0.023 | 0.02 |
| **lgf** |  | 1 | 1.78 | 2 | 2.3 | 2.6 | 2.9 | 3 | 3.69 | 4 | 4.69 | 5 | 5.3 | 5.69 | 6 | 6.3 | 6.69 |