***Materie: Elemente de electronică analogică***

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**Lucrare de laborator 4**

**CARACTERISTICI STATICE ÎN EMITOR COMUN**

**TABEL DE VALORI**

|  |  |  |
| --- | --- | --- |
| IB(µA) | VBE(V) | IC(mA) |
| 1.9 | 0.41 | **0.094** |
| 6.6 | 0.46 | **0.053** |
| 10.2 | 0.48 | **0.01** |
| 17.8 | 0.50 | **0.023** |
| 24.3 | 0.151 | **0.038** |
| 32.3 | 0.523 | **0.059** |
| 39.4 | 0.53 | **0.81** |
| 45.1 | 0.535 | **1** |
| 52 | 0.54 | **1.24** |
| 59 | 0.545 | **1.5** |
| 67.3 | 0.55 | **1.8** |

**PT IB = 40(µA)**

|  |  |  |
| --- | --- | --- |
| IC(mA) | VCE | EC |
| - | - | 0 |
| 0.75 | 0.27 | 0.5 |
| 0.76 | 0.77 | 1 |
| 0.77 | 1.27 | 1.5 |
| 0.78 | 1.77 | 2 |
| 0.78 | 2.27 | 2.5 |
| 0.79 | 2.77 | 3 |
| 0.79 | 3.26 | 3.5 |
| 0.79 | 3.76 | 4 |
| 0.8 | 4.26 | 4.5 |
| 0.8 | 4.46 | 5 |
| 0.8 | 5.26 | 5.5 |
| 0.81 | 5.76 | 6 |
| 0.81 | 6.26 | 6.5 |
| 0.81 | 6.76 | 7 |
| 0.82 | 7.25 | 7.5 |
| 0.82 | 7.75 | 8 |
| 0.82 | 8.25 | 8.5 |
| 0.82 | 8.75 | 9 |
| 0.83 | 9.25 | 9.5 |
| 0.83 | 9.75 | 10 |

**Caracteristica de intrare: IB= f(VBE)**

**Caracteristica de transfer: IC= f(VBE)**

**Caracteristica de iesire: IC= f(VBE)**