**Studiul Diodelor**

1. **Polarizare directa**

**Dioda de Si (siliciu)**

|  |  |
| --- | --- |
| **I (mA)** | **U (V)** |
| 0.5 | 0.62 |
| 1 | 0.64 |
| 1.6 | 0.65 |
| 3.3 | 0.67 |

**Dioda de Ge (germaniu)**

|  |  |
| --- | --- |
| **I (mA)** | **U (V)** |
| 0.5 | 0.2 |
| 0.9 | 0.22 |
| 2.6 | 0.27 |
| 3.5 | 0.28 |
| 4.3 | 0.29 |
| 5.6 | 0.3 |

**LED (sau GaAs)**

|  |  |
| --- | --- |
| **I (mA)** | **U (V)** |
| 0 | 0.55 |
| 0.04 | 1.5 |
| 0.48 | 1.68 |
| 0.64 | 1.7 |
| 0.72 | 1.71 |
| 0.97 | 1.73 |
| 1.7 | 1.77 |
| 3.8 | 1.84 |

1. **Polarizare inversa**

**Dioda Zener (sau dioda de Si)**

|  |  |
| --- | --- |
| **I (mA)** | **U (V)** |
| 0 | -8.8 |
| -0.02 | -8.81 |
| -0.08 | -8.84 |
| -0.36 | -8.88 |
| -0.62 | -8.91 |
| -0.76 | -8.92 |