附录2.2 EXCEL环境下基于实际操作数据生成的稳压二极管的伏安特性曲线

附表2.2 基于实际操作测量获取的稳压二极管伏安特性数据

|  |  |  |  |
| --- | --- | --- | --- |
| 采样点 | 电压(Uin/V) | 电压(Ud/V) | 电流(Id/mA) |
| 1 | -15.3000 | -6.1300 | -9.1700 |
| 2 | -14.8500 | -6.1500 | -8.7000 |
| 3 | -13.6800 | -6.1300 | -7.5500 |
| 4 | -13.6000 | -6.1300 | -7.4700 |
| 5 | -9.3300 | -6.1100 | -3.2200 |
| 6 | -7.7200 | -6.0800 | -1.6400 |
| 7 | -7.4600 | -6.0700 | -1.3900 |
| 8 | -7.3800 | -6.0700 | -1.3100 |
| 9 | -7.1100 | -6.0600 | -1.0500 |
| 10 | -6.8300 | -6.0400 | -0.7900 |
| 11 | -6.8200 | -6.0400 | -0.7800 |
| 12 | -6.4300 | -5.9900 | -0.4400 |
| 13 | -6.3700 | -5.9700 | -0.4000 |
| 14 | -5.8700 | -5.7400 | -0.1300 |
| 15 | -5.6600 | -5.6100 | -0.0500 |
| 16 | -5.4000 | -5.3200 | -0.0800 |
| 17 | -5.1000 | -5.0900 | -0.0100 |
| 18 | -4.3600 | -4.3600 | 0.0000 |
| 19 | -4.2500 | -4.2700 | 0.0200 |
| 20 | -3.1900 | -3.2100 | 0.0200 |
| 21 | -2.1560 | -2.1520 | -0.0040 |
| 22 | -1.8680 | -1.8650 | -0.0030 |
| 23 | -1.0400 | -1.0390 | -0.0010 |
| 24 | -0.3640 | -0.3640 | 0.0000 |
| 25 | -0.0400 | -0.0400 | 0.0000 |
| 26 | 0.0020 | 0.0020 | 0.0000 |
| 27 | 0.1620 | 0.1650 | -0.0030 |
| 28 | 0.2170 | 0.2170 | 0.0000 |
| 29 | 0.2180 | 0.2000 | 0.0180 |
| 30 | 0.2900 | 0.2910 | -0.0010 |
| 31 | 0.3760 | 0.3760 | 0.0000 |
| 32 | 0.4100 | 0.4080 | 0.0020 |
| 33 | 0.9550 | 0.6680 | 0.2870 |
| 34 | 1.3950 | 0.6910 | 0.7040 |
| 35 | 1.3980 | 0.6930 | 0.7050 |
| 36 | 1.5410 | 0.6980 | 0.8430 |
| 37 | 2.5320 | 0.7190 | 1.8130 |
| 38 | 2.7850 | 0.7220 | 2.0630 |
| 39 | 3.1870 | 0.7270 | 2.4600 |
| 40 | 3.8390 | 0.7340 | 3.1050 |
| 41 | 6.4000 | 0.7510 | 5.6490 |
| 42 | 7.3300 | 0.7550 | 6.5750 |
| 43 | 8.5600 | 0.7610 | 7.7990 |
| 44 | 11.1100 | 0.7690 | 10.3410 |
| 45 | 14.9600 | 0.7800 | 14.1800 |
| 46 | 14.9700 | 0.7800 | 14.1900 |

附图2.1 基于实测数据生成的稳压二极管1N4735伏安特性曲线