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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **U(V)** | **0.5** | **1.0** | **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** | **4.5** | **5.0** | **5.5** | **6.0** | | **I1(mA)** | **0.11** | **0.22** | **0.33** | **0.45** | **0.56** | **0.65** | **0.76** | **0.88** | **0.99** | **1.11** | **1.22** | **1.31** | | **I2(mA)** | **0.08** | **0.17** | **0.26** | **0.35** | **0.44** | **0.52** | **0.61** | **0.71** | **0.80** | **0.89** | **0.99** | **1.08** |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **角度** | **0** | **15** | **30** | **45** | **60** | **75** | **90** | | **1V** | **0.21** | **0.20** | **0.17** | **0.12** | **0.07** | **0.03** | **0.01** | | **3V** | **0.65** | **0.62** | **0.52** | **0.38** | **0.23** | **0.10** | **0.04** | | **5V** | **1.10** | **1.05** | **0.89** | **0.66** | **0.39** | **0.17** | **0.07** | |
| **六、数据处理**   |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **U(V)** | **0** | **0.5** | **1.0** | **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** | **4.5** | **5.0** | **5.5** | **6.0** | | **I1(mA)** | **0** | **0.11** | **0.22** | **0.33** | **0.45** | **0.56** | **0.65** | **0.76** | **0.88** | **0.99** | **1.11** | **1.22** | **1.31** | | **I2(mA)** | **0** | **0.08** | **0.17** | **0.26** | **0.35** | **0.44** | **0.52** | **0.61** | **0.71** | **0.80** | **0.89** | **0.99** | **1.08** |      |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **I/Io** | **0** | **0.07** | **0.25** | **0.5** | **0.75** | **0.93** | **1** | | **1V** | **0.01** | **0.03** | **0.07** | **0.12** | **0.17** | **0.2** | **0.21** | | **3V** | **0.04** | **0.1** | **0.23** | **0.38** | **0.52** | **0.62** | **0.65** | | **5V** | **0.07** | **0.17** | **0.39** | **0.66** | **0.89** | **1.05** | **1.1** |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **I/Io** | **0** | **0.07** | **0.25** | **0.5** | **0.75** | **0.93** | **1** | | **R(1V)** | **100.00** | **33.33** | **14.29** | **8.33** | **5.88** | **5.00** | **4.76** | | **R(3V)** | **75.00** | **30.00** | **13.04** | **7.89** | **5.77** | **4.84** | **4.62** | | **R(5V)** | **71.43** | **29.41** | **12.82** | **7.58** | **5.62** | **4.76** | **4.55** | |
| **七、实验结果与总结**  **7.1结果陈述**    **7.2、 实验总结**  **这次实验数据测量较简单，但是在这之前的光路调节需要细心和耐心。** |
| **八、思考题**  **1.实验中光强变化对数据测量有什么影响，你是怎样进行光强控制的？**  光强变化导致阻值变化，会导致测量结果有误差。尽量使用一个光源，保证光敏电阻与光源之间始终无障碍。  **2.光敏电阻在实际中有什么应用，举例并说明原理。**  如路灯自动点亮。白天光强大，电阻小，电路断开；夜晚光强小，电阻大，电路闭合。 |
| 指导教师批阅意见： |
| 成绩评定：     |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **预习**  （20分） | **操作及记录**  （40分） | 数据处理与结果陈述30分 | 思考题  10分 | **报告整体**  **印 象** | **总分** | |  |  |  |  |  |  | |