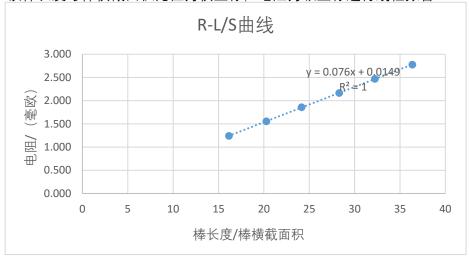
凯尔文电桥测量低值电阻实验

棒长度/ (mm)	200.000	250.000	300.000	350.000	400.000	450.000
棒直径/(mm)	3.972	3.962	3.977	3.968	3.975	3.970
棒横截面积/ (mm^2)	12.39106	12.32874	12.42227	12.36611	12.40978	12.37858
棒长度/棒横截面积	16.14067	20.27782	24.15017	28.30315	32.23264	36.35311
电阻/(毫欧)	1.240	1.555	1.857	2.165	2.468	2.776

以棒长度与棒横截面积比值为横坐标,电阻为纵坐标进行线性拟合



故而电阻率为7.600*10^-8欧姆/m

2015210003 俞戈昊