

Planck's Constant HW.

Read the Planck's constant task sheet carefully. Make a plot of threshold voltage versus frequency. Use the 4nA data.

Lambda	f(X)	4naVthresh	0naVthresh
	3e8/col(lambda)		
4.7E-7	6.38298E14	1.8476	1.6779
5.05E-7	5.94059E14	1.7413	1.5691
5.7E-7	5.26316E14	1.4062	1.3957
6.05E-7	4.95868E14	1.2985	1.2951
6.55E-7	4.58015E14	1.1523	1.1246
8.8E-7	3.40909E14	0.6229	0.524
9.4E-7	3.19149E14	0.52145	0.4243

Use the data for the 4nA Voltage Threshold vs. frequency (f) to determine Planck' constant (with uncertainty) using the linear fitting program of your choice.