

The uncertainty of the diameter is:				_	If multiple measurements of the
$\delta d = \frac{\text{range of } d}{2} = \frac{\max d - \min d}{2} = \frac{(0.55 - 0.49)}{2} \text{ mm} = 0.03 \text{ mm}$					same value are taken, also consider the scatter as the uncertainty
Thus, the diameter of the wire is $d = (0.58 \pm 0.03)$ mm.					
Table 3. Stretch of the wire				Ι	List all data points to
	Load F /N	Pointer Position x /cm			be plotted, including any linearization steps necessary Explicitly refer to any
Uncertainty in reading Reading 1 Reading 2 Reading 3 Reading 4 Reading 5 Reading 6	± 0.1 0.0 20.0 40.0 60.0 80.0 100.0	± 0.1 36.5 37.3 38.0 38.6 39.1 39.7			
The data are plotted in the graph "Stretch of a Wire". <					graphs in the report body to guide readers
In drawing the lines, we have ig zero. We are less confident abo overcome the slack in the wire.	nored the first but this point b	t point where the load was ecause some load is needed •	to		Explain if any data points are excluded from the best fit line







