

Name: _____

Date: _____

Partner: _____

Interference and Diffraction of Light

Staple your abstract to this worksheet. Then, staple another sheet to this worksheet, containing all three of the plots you were asked to make. Make sure they are properly formatted.

<i>Part I: Single Slit</i>	
<i>Quantity</i>	<i>Value</i>
L (m)	\pm
a (mm)	\pm
Slope of graph 1 (μm)	\pm
Computed λ from slope of graph 1 (nm)	\pm
<i>Part II: Double Slit</i>	
L (m)	\pm
d (mm)	\pm
a (mm)	\pm
Slope of graph 2 (μm)	\pm
Computed λ from slope of graph 2 (nm)	\pm
Slope of graph 3 (μm)	\pm
Computed λ from slope of graph 3 (nm)	\pm
Intercept of graph 3 (μm)	\pm
Computed λ from intercept of graph 3 (nm)	\pm