Date: _____

SPH4U Checking the Light Equation Practical

A coherent light source created by a laser of known wavelength will be set up at the back of the classroom. The light will be sent through a double slit of known separation onto a screen at the front of the classroom. Your job will be to predict the nodal separation, Δx, the distance x_2 from the central maximum to the second maximum, and x_2 from the central maximum to the second minimum, or nodal line. You will then check your answer by measuring these distances on the screen.

Pictorial & words representation	Physics representation interference pattern
Mathematical representation	
Evaluation	Prediction

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