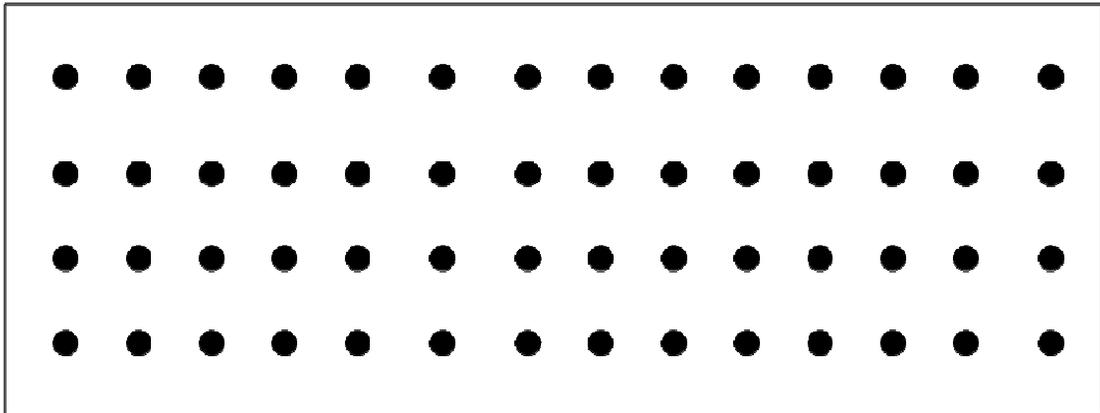
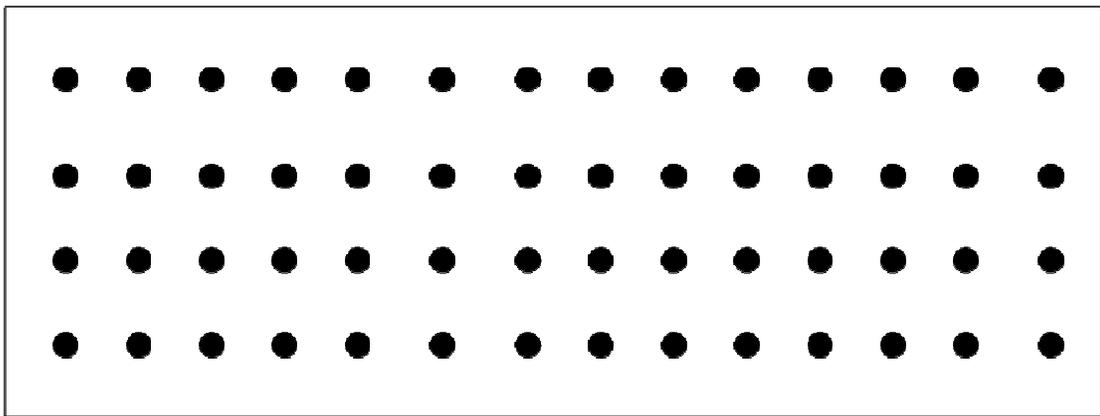


Answer Form
Experimental Problem No. 2
Birefringence of mica

Task 2.1 a) Experimental setup for I_p . (0.5 points)



Task 2.1 b) Experimental setup for I_o . (0.5 points)



2.1		1.0
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Task 2.4 Finding an appropriate zero for θ .

2.4		1.0
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Task 2.5 Choosing the appropriate variables.

2.5		0.5
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Task 2.6 Statistical analysis and the phase difference.

2.6		3.25
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2.6

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2.6		0.5
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Task 2.7 Calculating the birefringence $|n_1 - n_2|$.

2.7	<p>Write down the width of the plate of mica you used,</p> <p>$L =$</p> <p>Write down the wavelength you use,</p> <p>$\lambda =$</p> <p>Calculate the birefringence</p> <p>$n_1 - n_2 =$</p> <p>Write down the formulas you used for the calculation of the uncertainty of the birefringence.</p>	1.0
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