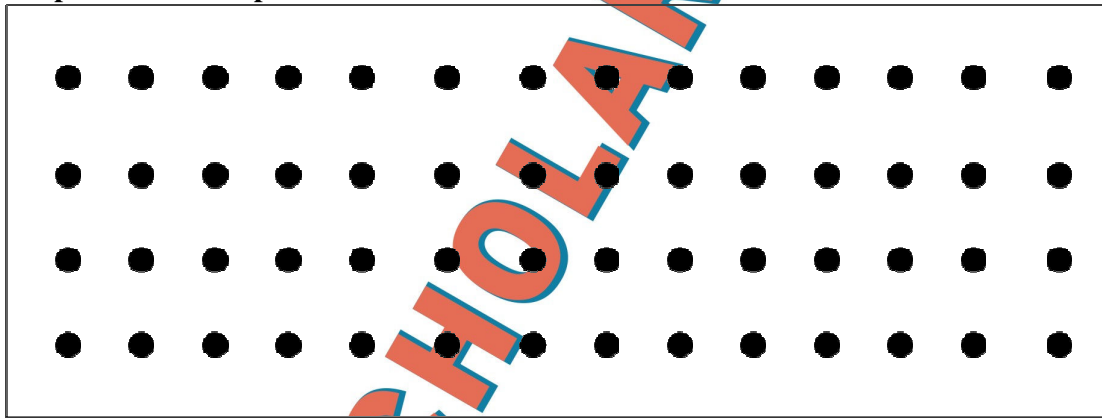


**Answer Form**  
**Experimental Problem No. 1**  
**Diode laser wavelength**

**Task 1.1 Experimental setup.**



1.1	Sketch the laser path in drawing and write down the height $h$ of the beam as measured from the table  $h =$	1.0
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**Task 1.2 Expressions for optical path differences.**

1.2		0.5
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**Task 1.3 Measuring the dark fringe positions and locations of the blade.**  
Use additional sheets if necessary.


TABLE I

$n$	$l_R$	$l_L$		

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1.3	Report positions of the blade and label of instrument:  $L_b =$  $L_a =$  $d = L_b - L_a =$	LABEL:  LABEL:  LABEL:	3.25
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**Task 1.4 Performing a statistical and graphical analysis.**

1.4		3.25
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**Task 1.5 Calculating  $\lambda$ .**

1.5	<p>Write down the value of <math>\lambda</math>.</p> <p><math>\lambda =</math></p>	2
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