

5	<p>D is the correct answer as, for a first order maximum, $\lambda = d \sin\theta$, where d is $\frac{1}{\text{number of lines per m}}$ and $\sin\theta = \frac{\text{opposite}}{\text{hypotenuse}}$ or $\frac{(0.378)}{(2.035)}$</p> <p>A is not the correct answer as the distance between adjacent slits is not 300,000m.</p> <p>B is not the correct answer as the distance between adjacent slits is not 300,000m.</p> <p>C is not the correct answer as $\sin\theta$ is not $\frac{(0.378)}{(2.000)}$</p>	(1)
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