



DVDiffraction

<i>Aim</i>	To determine the spacing of tracks on a digital versatile disc using the diffraction of laser light.		
<i>Materials</i>	1 DVD	1 laser	1 rule
<i>Method</i>	<ul style="list-style-type: none">• The DVD behaves like a diffraction grating.• Diffracted beams are the result of constructive interference between light waves from tracks on the DVD.• Using geometry and the wavelength of the laser, determine the spacing of the tracks on the DVD (give your answer in nm).		
<i>Conditions</i>	<ul style="list-style-type: none">• The laser must not be pointed at anything other than the DVD.• The laser must not be moved.		
<i>Time Limit</i>	25 minutes		
<i>Ranking</i>	The ranking order will be determined by the difference between the distance given by the team and the correct value.		

Team

Result

Do not write below this line

Rank