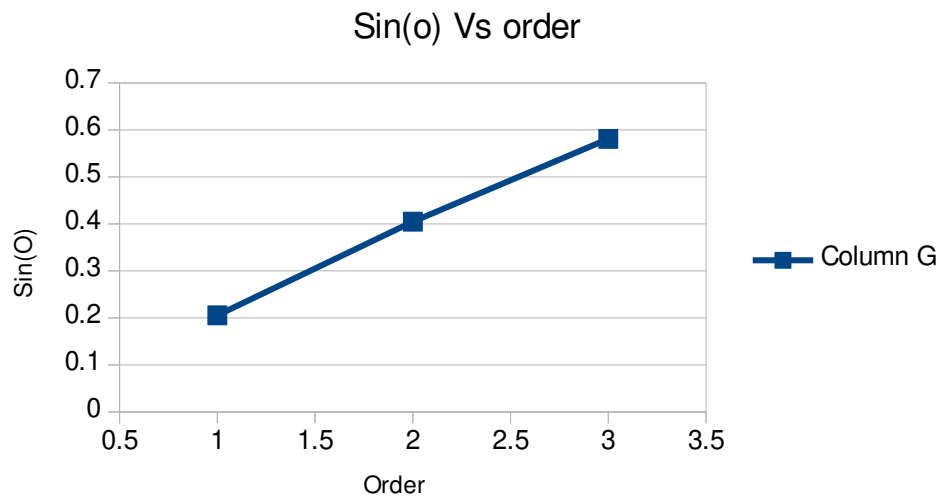


position of grating(in mm)= 609  
position of screen(in mm)= 478

sl no	Order of diffraction	D	Left (in mm)	Right (in mm)
1	1	-131	28	27
2	2	-131	57	59
3	3	-131	94	93

slope of the curve= 0.187749300742274

**Lamda =slope/N** 0.000625831002474 625.83100247425

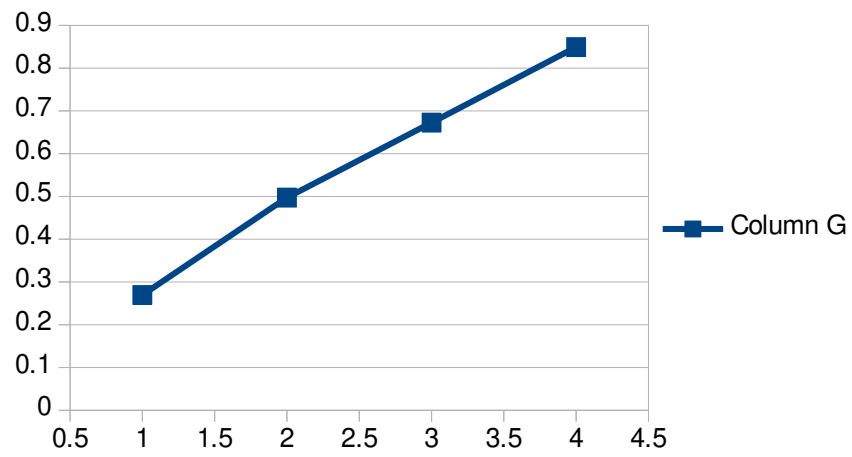


position of grating(in mm)= 558  
position of screen(in mm)= 415

sl no	Order of diffraction	D	Left (in mm)	Right (in mm)
1	1	-143	40	40
2	2	-143	82	82
3	3	-143	130	130
4	4	-143	230	230

slope of the curve= 0.191480918149482

**Lamda =slope/N** 0.000638269727165 638.26972716494



<b>d</b>	<b>sin(<math>\theta</math>)</b>
27.5	0.205445682
58	0.404842791
93.5	0.580944283

lines per mm= 300

<b>d</b>	<b>sin(<math>\theta</math>)</b>
40	0.26938012
82	0.497444986
130	0.672672794
230	0.849240578

lines per mm= 300