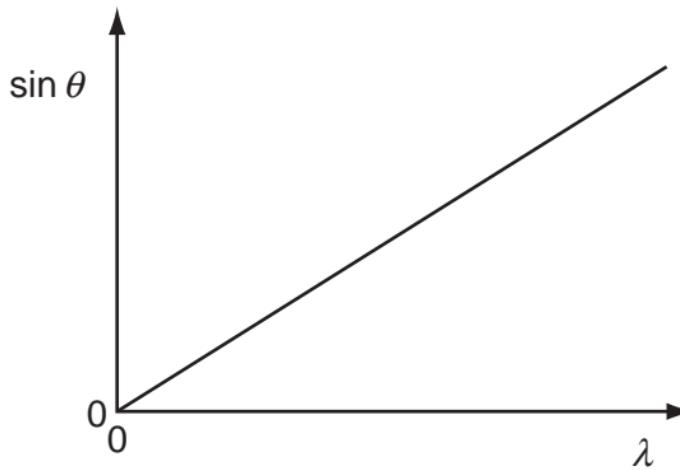


25 A diffraction grating with N lines per metre is used to deflect light of various wavelengths λ .

The diagram shows a relation between the deflection angles θ for different values of λ in the n^{th} order interference pattern.



What is the gradient of the graph?

A Nn

B $\frac{N}{n}$

C $\frac{n}{N}$

D $\frac{1}{Nn}$

26 A stationary wave of frequency 80.0 Hz is set up on a stretched string of length 210 cm.