**Optics**

Table of Contents

[Interference 3](#_Toc69017046)

[Diffraction 4](#_Toc69017047)

[Polarization 5](#_Toc69017048)

Sound Waves – lattice vibration

1. Interference
2. Diffraction
3. Polarization

## Interference

- maxima ()

- minima ()

- slit distance

- degrees

Interference due to phase change

- maxima

- minima

## Diffraction

- ( for minima and for maxima)

- slit width

## Polarization

In light, the electric and magnetic vectors are at right angles to each other and to the direction of propagation.

At the polarized angle, reflected and refracted rays are at to each other.

By Snell’s Law,