Class 19 - Poincare sphere – linear, circular and elliptical polarization; Natural light; Polarizers and Malus' law

The learning objectives of this class:

- Understand that the polarization is related to the orientation of the oscillations of the **E**-field
- Identify multiple applications of polarization
- Identify the different polarization states
- Determine the polarization state given an **E**-field
- Represent a polarization state using the Poincare Sphere
- Define natural light
- Understand the working principle of a linear polarizer
- Determine the transmitted light after linear polarizers (i.e., Malus' law)

Class 19 - Poincare sphere – linear, circular and elliptical polarization; Natural light; Polarizers and Malus' law is shared under a CC BY-NC-SA license and was authored, remixed, and/or curated by LibreTexts.