

교과목명: 디스플레이공학 2 (전북대학교 이지훈 교수)

교과목의 개요

수업목표: 디스플레이에 사용되는 광학 기술 중 빛의 편광 특성에 대한 기초 이론 학습.
Understanding the light propagation and polarization change in the medium.

- 1) Definition, classification, mathematical expression of polarization state
- 2) Physical property of optically anisotropic medium
- 3) Principle of polarization modulation using optically anisotropic medium
- 4) Examples of polarization modulation devices and operation principle
- 5) Calculation of polarization state of light passing through various optical components
- 6) Visualization and calculation of polarization using Poincare sphere
- 7) Variable retarder using multiple wave plates and transmittance calculation
- 8) Dependence of retardation on the incident angle, Optical properties of biaxial retarder