

## Class 13 - Space vs Fourier Domain, Principle of Fourier Optics, LSI systems

---

The learning objectives in this class:

- Describe any optical signal as a superposition of titled plane waves
- Define linear optical systems
- Define shift-invariant optical systems
- Identify the steps to determine if an optical system is LSI or not
- Express the output signal as a convolution of the input signal and an impulse response if the system is LSI
- Image process using Fourier domain



---

Class 13 - Space vs Fourier Domain, Principle of Fourier Optics, LSI systems is shared under a [CC BY-NC-SA](#) license and was authored, remixed, and/or curated by LibreTexts.