

Class 15 - Fresnel and Fraunhofer diffraction patterns

The learning objectives of this class:

- Revisit the scalar diffraction theory
- Identify the conditions of the Fresnel Region
- Determine if the Fresnel condition is met
- Calculate the impulse response and transfer function in free-space propagation within the Fresnel Region
- Calculate the diffraction patterns in the Fresnel Region
- Identify the conditions of the Fraunhofer Region
- Determine if the Fraunhofer condition is met
- Calculate the diffraction patterns in the Fraunhofer Region



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