

































## Summary

• Optical coherence function to describe incoherent light

$$(x_1, t_1; x_2, t_2) \equiv \langle E^*(x_1, t_1)E(x_2, t_2) \rangle$$

• Distinguish temporal from spatial coherence





• The Van Cittert-Zernike theorem: Coherence created by propagation



• Optical etendue characterizes the 'number of spatial modes'