



Correlation functions in optics and quantum optics.

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Date: May 15th – 14h00-18h00 (with a break)

Location: Institut d'Optique Graduate School, 2 av. A. Fresnel, 91127 Palaiseau, Salle S2.3

This course will cover two topics associated with the kind of correlation functions that we encounter in quantum optics.

1. I start with temporal correlation functions (field-field, and intensity-intensity) in optics and quantum optics, including different ways to measure them.
2. I conclude presenting the field intensity correlation in quantum optics and examples of its applications.

Note: These lectures can be credited for the doctoral training of the EDOM and EDPIF.