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istanbul center for mathematical sciences

BOĞAZIÇI UNIVERSITY QFT LECTURE MEETINGS

# SCALAR QUANTUM FIELD THEORY I

Tonguç Rador

Boğaziçi University

## Topics

Quantized free scalar field: canonical (hamiltonian) and lagrangian formalisms. Green's functions as vacuum to vacuum amplitudes and connection to path integrals.

## General References

Weinberg S., The Quantum Theory of Fields, Volume 1.

Brown L.S., Quantum Field Theory.

**Date :** Friday, December 7, 2012

**Time:** 14:00

**Place:** IMBM Seminar Room, Boğaziçi University South Campus