



istanbul matematiksel bilimler merkezi
istanbul center for mathematical sciences

BOĞAZIÇI UNIVERSITY QFT LECTURE MEETINGS

PATH INTEGRALS I

Levent Akant

Boğaziçi University

Topics

Propagator in quantum mechanics. Adiabatic switching and Green's functions. Feynmann-Trotter formula and the path integral for the propagator. Path integral for time dependent Hamiltonians, time ordering. Path integral representation of the Green's functions.

General References

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

Brown L.S., Quantum Field Theory.

Date : Friday, November 16, 2012

Time: 14:00

Place: IMBM Seminar Room, Boğaziçi University South Campus