



istanbul matematiksel bilimler merkezi  
istanbul center for mathematical sciences

BOĞAZIÇI UNIVERSITY QFT LECTURE MEETINGS

# THE CLUSTER DECOMPOSITION PRINCIPLE

Tonguç Rador

Boğaziçi University

## Topics

Bosons and fermions. Creation and annihilation operators. Connected amplitudes and the cluster decomposition. Form of interactions.

## General References

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

Brown L.S., Quantum Field Theory.

**Date :** Friday, November 2, 2012

**Time:** 14:00

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