abstract

MATHEMATICAL PHYSICS SEMINAR
Topic:

Speaker:

Affiliation:

Date:

Time/Room:

This talk is about renormalization group methods for quantum field theory and classical statistical mechanics. The renormalization group is not a group but a technique for reducing infinite dimensional integrals with strong correlations to a sequence of more managable integrals with weak correlations. We discuss the method first in general terms. Then we go into some detail on a version developed by Brydges and collaborators, especially as it applies to the classical lattice dipole gas.