



Contribution ID: 104

Type: **Talk**

Triviality of ϕ_4^4 in the broken phase revisited

Tuesday, 24 June 2014 16:50 (20 minutes)

We define a finite size renormalization scheme for ϕ^4 theory which in the thermodynamic limit reduces to the standard scheme used in the broken phase. We use it to re-investigate the question of triviality for the four dimensional infinite bare coupling (Ising) limit. The relevant observables all rely on two-point functions and are very suitable for a precise estimation with the worm algorithm.

Primary author: Prof. WOLFF, Ulli (Humboldt University, Berlin)

Co-author: Dr KORZEC, Tomasz (Humboldt University, Berlin)

Presenter: Prof. WOLFF, Ulli (Humboldt University, Berlin)

Session Classification: Theoretical Developments

Track Classification: Theoretical Developments