Introduction to Renormalisation Group

SPEAKER: Gordon Slade, University of British Columbia
TIME: 2:00pm - 3:00pm, Tuesday, March 26, 2019
VENUE: Room 311, Pudong Campus, 1555 Century Avenue
(上海纽约大学311教室, 上海市浦东新区世纪大道1555号)

ABSTRACT

This talk is a continuation of the morning lecture, which concerned the construction of the tricritical point for models of spins and polymers on the 3-dimensional integer lattice. The proof uses a rigorous renormalisation group method developed in earlier joint work with David Brydges. In this talk, we give an introduction to the method.

BIOGRAPHY

Gordon Slade is Professor of Mathematics at the University of British Columbia in Vancouver, Canada, where he also obtained his Ph.D. in 1984. Previously he held a postdoctoral position at the University of Virginia and a faculty position at McMaster University. Slade has worked for over thirty years on problems in probability theory and statistical mechanics that arise from critical phenomena. His current research focus is on the development and application of a rigorous nonperturbative renormalisation group method. Slade is a Fellow of the Royal Societies of London and Canada.