
Student Geometry Seminar

國立清華大學數學系 學生幾何研討會

講題 Geometry and topology in statistical mechanics

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時間 2024.06.13 (Thu) 16:30 – 18:00

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Abstract

Geometry and topology rank among the most valuable mathematical disciplines for theoretical physicists. In this presentation, I will introduce the foundational concepts of statistical mechanics, encompassing both quantum and classical forms, and elucidate their connections with geometry and topology. The main topics of discussion will include canonical transformations, Liouville's theorem, the Landau-Ginzburg theory, and quantum topological phases.

