

*Department of Mathematics,
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Math 269 - Combinatorics Seminar

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Quantum integrability and Combinatorics: qKZ, ASM, TSSCPP

Abstract:

We shall review the recent progress, based on the use of the quantum Knizhnik-Zamolodchikov equation, in the study of certain statistical models of loops with remarkable combinatorial properties and which are the subject of the Razumov-Stroganov conjecture. Then we shall present some applications to enumerative combinatorics, settling in particular some old conjectures on Alternating Sign Matrices and Plane Partitions.

Host: Jeff Remmel

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4:00 PM

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