

The UIC Algebraic Geometry Seminar

NEKRASOV'S CONJECTURES FOR TORIC SURFACES

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The Nekrasov's partition function is computed by localization on framed moduli spaces of torsion-free sheaves on \mathbb{P}^2 . The Seiberg-Witten prepotential is computed by period integrals of an algebraic curve. The Nekrasov's conjecture (proved in various versions by Nakajima-Yoshioka, Nekrasov-Okounkov, Braverman-Etingof) relates the above two objects. We will discuss generalization of the Nekrasov's partition function and the Nekrasov's conjecture for other toric surfaces. This is a joint work in progress with Elizabeth Gasparim.

SEO 636

Thursday, October 18th

4:00 p.m.

<http://www.math.uic.edu/~coskun/f2007alggeom.html>