

## Some applications of defects in supersymmetric gauge theory

*Monday 4 February 2019 09:30 (1 hour)*

I will explain the formula of Gamayun, Iorgov and Lysovyy relating Painleve VI tau-function to  $c = 1$  conformal blocks and some of its generalizations, using the blowup formulas for  $N_f = 2N_c$  supersymmetric  $N = 2$   $d = 4$  theory. If time permits I will talk about the eigenvalue problem for the elliptic Calogero-Moser system.

**Presenter:** NEKRASOV, Nikita

**Session Classification:** Nikita Nekrasov: Some applications of defects in supersymmetric gauge theory