

SYM flow equation in $N=1$ SUSY

Friday, 27 July 2018 17:50 (20 minutes)

In this talk, we show that the gradient flow equation is defined in $calN = 1$ SYM in a way that is consistent with supersymmetry in the Wess-Zumino gauge. Using the perturbation theory, we find that two-point function of flowed gauge multiplet is UV-finite at the one-loop level when four dimensional SYM is renormalized.

Primary author: Dr KADOH, Daisuke (Keio University)

Co-author: UKITA, naoya (Tsukuba University)

Presenter: Dr KADOH, Daisuke (Keio University)

Session Classification: Theoretical Developments

Track Classification: Theoretical Developments