

## Abstract

We use the AdS/CFT correspondence to study the DC conductivity of massive  $N = 2$  hypermultiplet fields in an  $N = 4$   $SU(N_c)$  super-Yang-Mills theory plasma in the large  $N_c$  and finite  $t$  Hooft coupling. We also discuss general curvature-squared and Gauss-Bonnet corrections on the DC conductivity.[arXiv:1008.2430]