



Contribution ID: 18

Type: **not specified**

## Turbulent strings in AdS/CFT

*Tuesday, April 14, 2015 2:20 PM (30 minutes)*

I will talk about nonlinear dynamics of the flux tube between an external quark-antiquark pair in N=4 SYM using the dual string description in AdS/CFT. Perturbing the endpoints of the string and numerically computing its nonlinear time evolution, I will show that cusps can be formed on the string. I will discuss a connection between this phenomenon and turbulent behavior in the energy spectrum.

**Presenter:** ISHII, Takaaki

**Session Classification:** Parallel Session