



Contribution ID: 177

Type: **not specified**

Confinement, NonAbelian monopoles, and 2D CP(N-1) model on finite length strings

Friday 2 September 2016 15:30 (30 minutes)

We discuss the confinement mechanism based on nonAbelian variety of dual superconductivity. Important hints come from physics of strongly-coupled infrared-fixed-point theories in N=2 supersymmetric QCD, which turn into confining vacua under a small relevant perturbation. The quest for the semiclassical origin of these nonAbelian monopoles, ubiquitous as the infrared degrees of freedom of supersymmetric gauge theories, motivates us to study the quantum dynamics of 2D CP(N-1) model defined on a finite-width world-strip. Latest results on these problems are presented.

Summary

Primary author: Prof. KONISHI, Kenichi (University of Pisa)

Presenter: Prof. KONISHI, Kenichi (University of Pisa)

Session Classification: Section A

Track Classification: Section A: Vacuum Structure and Confinement