

Eleventh NRW Topology Meeting – Bielefeld (Germany)

Saturday, May 09, 2009

11.30, Hörsaal 3

Andriy Haydys (Bielefeld): **“Instantons, monopoles and dualities”**

In this talk I will outline a relation between certain generalizations of Donaldson and Seiberg-Witten theories. More precisely, I will show that instantons on suitable eight-manifolds can be interpreted as Seiberg-Witten-type monopoles. I will also discuss dualities in gauge theory obtained in the above framework.