GEOMETRY AND TOPOLOGY SEMINAR

Donaldson-Uhlenbeck compactification for the moduli space of framed sheaves on a Deligne-Mumford stack

Marina Logares

Plymouth University, UK

Abstract. Framed sheaves over surfaces first appeared as a generalisation of framed $SU(r)$ instantons on S^4. Later, Uhlenbeck provided a compactification for the moduli space of framed $SU(r)$ instantons which through the Donaldson correspondence and the work of Li and Morgan produced the so called Donaldson-Uhlenbeck compactification of the moduli space of framed sheaves. We want to focus on a further generalisation to the moduli space of framed sheaves on Deligne-Mumford stacks and construct an analogous compactification. This is work in progress with U. Bruzzo.

FRIDAY, JULY 07   11:00   ROOM 1.09

Please note the unusual time