

**HACETTEPE ÜNİVERSİTESİ MATEMATİK BÖLÜMÜ**

**GENEL SEMİNERİ**

**(HACETTEPE MATHEMATICS GENERAL SEMINAR)**

**Tarih :** 24 Eylül 2014, Çarşamba

**Saat :** 15:00

**Yer:** Yaşar ATAMAN Seminer Salonu

**Konuşmacı:** Prof. Dr. Francis BONAHOON (University of Southern California, USA)

**Başlık :** Kauffman brackets on surfaces

**Özet :** The classical Kauffman bracket is an invariant of knots in space, closely related to the famous Jones polynomial. Witten's interpretation of the Jones polynomial as a special case of a topological quantum field theory leads to a generalization of Kauffman brackets to knots drawn on a surface. I will discuss properties of these generalized Kauffman brackets. This is joint work with Helen Wong.