

# HACETTEPE ÜNİVERSİTESİ MATEMATİK BÖLÜMÜ

## GENEL SEMİNERİ

### (HACETTEPE MATHEMATICS GENERAL SEMINAR)

**Tarih (Date)** : 22.10.2014, Çarşamba (Wednesday)

**Saat (Time)**: 15:00

**Yer (Place)**: Yaşar ATAMAN Seminer Salonu

**Konuşmacı (Speaker)**: Prof. Dr. Cenap ÖZEL (Dokuz Eylül Üniversitesi)

**Başlık (Title)** : On Reidemeister torsion of flag manifolds of compact semisimple Lie groups

**Özet (Abstract)** : In this talk we calculate Reidemeister torsion of flag manifold

$K/T$  of compact semi-simple Lie group  $K = SU(n + 1)$  using Reidemeister torsion formula and Schubert calculus, where  $T$  is maximal torus of  $K$ . We find

that this number is 1. Also we explicitly calculate ring structure of integral cohomology algebra of flag manifold  $K/T$  of compact semi-simple Lie group

$K = SU(n + 1)$ .

NOT: Konuşma sonunda çay ve pasta ikramı olacaktır.

(P.S. Tea and cookies will be served after the talk.)