HACETTEPE ÜNİVERSİTESİ MATEMATİK BÖLÜMÜ GENEL SEMİNERİ

(HACETTEPE UNIVERSITY MATHEMATICS GENERAL SEMINAR)

Tarih (Date): 7.11.2019, Perşembe (Thursday)

Saat (Time): 15:00

Yer (Place): Yaşar Ataman Seminer Salonu

Konuşmacı (Speaker): Prof. Dr. Yiqiang Zhou, Memorial University, Department of Mathematics and Statistics, Canada

Başlık (Title): An embedding theorem on triangular matrix rings

Özet (Abstract):

Every matrix in the triangular matrix ring $T_n(R)$ over a bleached local ring R is similar to a ``simple form'', which is, in most cases, contained in a subring S of $T_n(R)$ with S isomorphic to a direct product of two triangular matrix rings over R of smaller size. This result, called the embedding theorem, suggests a new approach for handling triangular matrix rings. It is applied to proving several results on the strong cleanness and strong 2-sum property of triangular matrix rings.