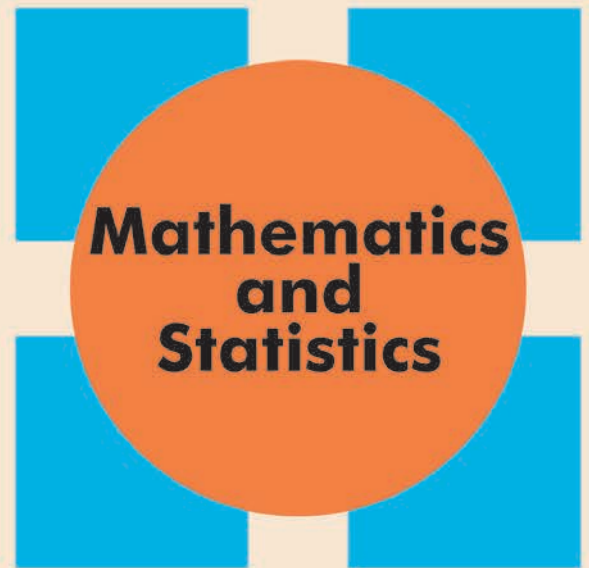


# COLLOQUIUM

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**Torsion units of integral  
reality-based algebras with  
rational multiplicities**



Date: Friday, January 20, 2017

Time: 3:30 - 4:30 PM

Room: RI 209

**Abstract:** An integral reality-based algebra is a finite-dimensional associative algebra with an involution over  $\mathbb{C}$  whose distinguished basis contains the identity element, has integral structure constants, and is closed under pseudo-inverse. In this talk I will prove a theorem that gives the upper bound on the orders of the subgroups of normalized torsion units of an integral reality-based algebra with positive degree map and rational multiplicities.