

GRADUATE SEMINAR

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A Lagrange-type theorem for the torsion units
of integral C -algebras

PhD Student supervised by Allen Herman

Thursday December 18
10:00 am
CW 307.20 (math lounge)

Abstract: Torsion units of group rings have been studied extensively since the 1960's. As integral C -algebras can be viewed as a generalization of integral group rings, it is natural to ask about torsion units of C -algebras. We establish some basic results about torsion units of C -algebras analogous to what happens for possible orders of torsion units of group rings. These results can be immediately applied to Schur rings, Hecke algebras, adjacency algebras of association schemes and fusion rings.