

IMAR Monthly Lecture

Determinantal Ideals in Equivariant Iwasawa Theory and Applications

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IMAR, *Miron Nicolescu* amphitheatre

Abstract: I will give a brief overview of the prominent role played in recent years by determinantal (Fitting) ideals and Grothendieck determinants of complexes of Iwasawa modules in the study of special values of equivariant motivic L -functions. Applications to recent progress on several central conjectures in the area will be discussed.