

Title: Elements of Spectral Theory in Algebras

Speaker: Yakov Krasnov, Bar-Ilan University

Abstract: We establish the basic properties for the set of idempotents in finite dimensional non-associative real m -ary algebras using the syzygies among the Peirce numbers as spectral parameters. We study the reciprocal influence of the Peirce numbers allocation on the geometry of the subalgebras. The canonical form of m -ary algebras multiplication and their tensors representations will be present.