

The Erdos density theorem revisited

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J.A. Erdos showed that the set of finite rank operators in a nest algebra is dense in the algebra, if an appropriate topology is considered. In this talk, having this density theorem in the background, we investigate the Jordan and the Lie ideal structure of nest algebras, obtaining a complete characterization in the first case and a decomposition theorem in the Lie algebraic setting.

This is partly a joint work with J. ALMEIDA (Instituto Superior Técnico)