HONOURS SEMINAR

ALEXANDER NAU

Some Properties of Involutive Complex Algebras
Supervised by Juliana Erlijman

April 18, 2019
12:00
Math Lounge

Abstract: We shall present some properties of finite dimensional involutive complex algebras. We shall compare positive involutions to the standard (conjugate-transpose) involution and outline some results in this context such as the Fukamiya-Kaplansky theorem, which is the essential ingredient for the Gelfand-Naimark Theorem (namely, that a finite dimensional complex algebra with positive involution can be faithfully *-represented on a von Neumann algebra).

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