FLORIDA ATLANTIC UNIVERSITY™

Department of Mathematical Sciences
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PhD Dissertation Defense

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Annihilators and A + B Rings

Friday, November 6, 2:00pm

Advisor: Dr. Lee Klingler

A + B rings are constructed from a ring A and nonempty set of prime ideals of A. Initially, these rings were created to provide examples of reduced rings which satisfy certain annihilator conditions. We describe precisely when A + B rings have these properties, based on the ring A and set of prime ideals of A. We continue to give necessary and sufficient conditions for A + B rings to have various other properties. We also view annihilators in the context of frames of ideals of reduced rings.

Please contact Dr. Hongwei Long (hlong@fau.edu) for an electronic copy of the dissertation.
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