1. Record Nr. UNINA9910787032903321 Autore Pluta Robert Titolo Ranges of bimodule projections and conditional expectations / / by Robert Pluta Newcastle upon Tyne:,: Cambridge Scholars Publishing,, 2013 Pubbl/distr/stampa **ISBN** 1-4438-6786-1 Descrizione fisica 1 online resource (212 p.) Disciplina 512.25 Soggetti Algebra Rings (Algebra) Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Includes bibliographical references (pages 194-204). Nota di bibliografia Nota di contenuto 4.5 Row and Column Spaces 4.6 Characterization of Row and Column Spaces; 4.7 Tripotents and Peirce Spaces; CHAPTER 5 - CORNERS IN C (K); 5.1 Retracts in Compact and Locally Compact Spaces; 5.2 Sigmaalgebra of Sets and Commutative Algebras: 5.3 Algebras of Continuous Functions and Measures; 5.4 Common Zeros; 5.5 Discontinuous Conditional Expectations; 5.6 Review of Results on Automatic Continuity: 5.7 Closure Question - Commutative Case: 5.8 Existence of Bounded Conditional Expectations - Commutative Case; 5.9 Remarks on the Non-commutative Case; CHAPTER 6 - ADDENDUM Sommario/riassunto The algebraic theory of corner subrings introduced by Lam (as an abstraction of the properties of Peirce corners eRe of a ring R associated with an idempotent e in R) is investigated here in the context of Banach and C*-algebras. We propose a general algebraic approach which includes the notion of ranges of (completely) contractive conditional expectations on C*-algebras and on ternary rings of operators, and we investigate when topological properties are

consequences of the algebraic assumpt...