

THE C^* -ALGEBRA OF COMPACT PERTURBATIONS OF DIAGONAL OPERATORS

ESTEBAN ANDRUCHOW, EDUARDO CHIUMIENTO AND ALEJANDRO VARELA

Abstract. We study the C^* -algebra $\mathcal{D} + \mathcal{K}$ which consists of sums of a diagonal plus a compact operator. We describe the structure of the unitary group, the sets of ideals, automorphisms and projections.

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