



Eugeniu Spinu (espinu@math.ualberta) Department of Mathematical and Statistical Sciences, University of Alberta, Edmonton, Alberta, T6G 2G1 Canada, *Operator ideals on Banach lattices and the domination problem*.

ABSTRACT. We consider the following three algebraic ideals of operators on a Banach lattice: compact, strictly singular, and Fredholm perturbation operators. Suppose that A and B are two positive operators such that A is dominated by B and B is compact or strictly singular. We show that, under certain assumptions, A (or some power of A) is a Fredholm perturbation operator.