

# NONLINEAR VERSIONS OF SOME RESULTS FROM LINEAR FUNCTIONAL ANALYSIS

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ABSTRACT. We present two different results in the context of nonlinear analysis. The first one is essentially a nonlinear technique that, in view of its strong generality, may be useful in different practical problems. The second result, more technical, but also connected to the first one, is an extension of the well-known Pietsch Domination Theorem for absolutely summing linear operators. This last result is a potentially definitive Pietsch Domination-type theorem and intends to unify the previous versions of this kind of result.

This talk is based on a joint work with Joedson Santos and Juan B. Seoane-Sepúlveda.