

The Bishop-Phelps-Bollobas Theorem for Operators,
and Lindenstrauss Properties A and B

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Let X be a Banach space with dual X^* . This *expository* talk will review the Bishop-Phelps Theorem (1961) on density in X^* of those continuous linear functionals that attain their norm, as well as some of the work that this theorem engendered. In particular, we will discuss Bollobás' contribution of 1970 as well as Lindenstrauss' 1963 version for operators. Finally, we will describe recent work relating properties A and B of Lindenstrauss to the Bishop-Phelps-Bollobás property for operators. (All terms will be defined.) This recent material is joint work with Yun Sung Choi, Sun Kwang Kim, Han Ju Lee, and Miguel Martín.

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B. BOLLOBÁS, An extension to the theorem of Bishop and Phelps, *Bull. London. Math. Soc.* **2** (1970), 181-182.

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