

The Bishop-Phelps-Bollobás moduli of a Banach space

Mario Chica Rivas

Mario Chica Rivas (mcrivas@ugr.es)
Universidad de Granada

Abstract.

We introduce two Bishop-Phelps-Bollobás moduli of a Banach space which measure, for a given Banach space, what is the best possible Bishop-Phelps-Bollobás theorem in this space. We show that there is a common upper bound for these moduli for all Banach spaces and we present an example showing that this bound is sharp. We prove some important properties about these moduli and some important consequences of them.

References

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