

## Descriptive properties of elements of biduals of Banach spaces

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*Session: 36. Topology in Functional Analysis*

If  $E$  is a Banach space, any element  $x^{**}$  in its bidual  $E^{**}$  is an affine function on the dual unit ball  $B_{E^*}$  that might possess variety of descriptive properties with respect to the weak\* topology. We prove several results showing that descriptive properties of  $x^{**}$  are quite often determined by the behaviour of  $x^{**}$  on the set of extreme points of  $B_{E^*}$ , generalizing thus results of J. Saint Raymond and F. Jellett. We also prove a result on the relation between Baire classes and intrinsic Baire classes of  $L_1$ -preduals which were introduced by S.A. Argyros, G. Godefroy and H.P. Rosenthal.