

# UNIVERSAL COMPONENTS OF RANDOM ALGEBRAIC SETS

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I will explain that any compact hypersurface  $S$  of  $R^n$  appears with a positive probability  $c_S$  as a component of a random algebraic hypersurface of high degree  $d$ , with  $c_S$  not depending on  $d$ .

*Joint work with Jean-Yves Welschinger (Institut Camille Jordan, Lyon 1, France).*