

# Amoeba Measures of Random Plane Curves

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## Abstract

In this talk, I will discuss results about the expected areas of amoebas of random complex plane curves, obtained in our joint work with J-Y. Welschinger. It will be shown that the expected area of the amoeba of a degree  $d$  plane curve is less than  $3 \ln(d)^2/2 + 9 \ln(d) + 9$ , and that the ratio of this expected area to  $\ln(d)^2$  is bounded below by  $3/4$  as  $d$  goes to infinity.