## Tracy-Widom Distributions in Experiment: Evidence in Growing Interfaces of Liquid Crystal Turbulence

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We present clear evidence of the Tracy-Widom distributions and the Airy processes in a real experiment, specifically in growing interfaces of liquid crystal turbulence. Different geometries of the interfaces lead to asymptotic fluctuations described by different Tracy-Widom distributions and Airy processes. This shows remarkable universality of the random matrix statistics in the growth problem, which underpins theoretical predictions made for a few solvable models but remains to be understood in a general theoretical framework.