

1171-35-8

**Anna L. Mazzucato\*** (alm24@psu.edu) and **David Ambrose.** *Global existence for the 2D Kuramoto-Sivashinsky equation with growing modes.*

I will present a recent result concerning global existence for the Kuramoto-Sivashinsky equation on the two-dimensional torus with one growing mode in each direction. The proof combines PDE techniques with a Lyapunov function argument for the growing modes. (Received July 15, 2021)