

1105-35-74

Alexey Cheskidov and **Mimi Dai*** (mdai@uic.edu). *The existence of a global attractor for the forced critical surface quasi-geostrophic Equation in L^2 .*

We prove that the critical surface quasi-geostrophic equation driven by a force f possesses a compact global attractor in $L^2(\mathbb{T}^2)$ provided $f \in L^p(\mathbb{T}^2)$ for some $p > 2$. (Received September 04, 2014)