

1107-60-317

Alexei Novikov* (anovikov@math.psu.edu). *Homogenization in stationary fluid flows.*

I will discuss recent results related to analysis of effective behavior of a passive scalar in incompressible stationary fluid flows in two dimensions. The particle is driven either by the classical Brownian motion or by the fractional Brownian motion. (Received January 18, 2015)