1077-60-2101 **Fernanda Cipriano*** (`cipriano@cii.fc.ul.pt`), Av. Prof. Gama Pinto, 2, 1649-003 Lisboa, Portugal. *On the 2D Navier-Stokes and Euler equations: A statistical study.*

We present a statistical study for the two dimensional stochastic Navier-Stokes and Euler equations. We prove the existence of weak solutions for the associated Kolmogorov equations. The question of the vanishing viscosity limit is also considered. (Received September 21, 2011)