1030-76-51 **Susan Friedlander*** (susan@math.uic.edu), MCSCS (M/C 249), University of Illinois-Chicago, 851 S Morgan St, Chicago, IL 60307. *Onsager's conjecture and a Model for Turbulence.*

We discuss properties for a shell type model for the Euler equations. We prove that the forced system has a unique equilibrium which is an exponential global attractor. Onsager's conjecture concerning the critical space for energy balance and turbulent dissipation is confirmed for the model. We discuss how intuition obtained from the model carries over to prove partial results related to Onsager's conjecture and Kolmogorov's law of turbulence for the Euler and the Navier-Stokes equations.

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