1037-76-332 **Elaine Cozzi*** (`ecozzi@andrew.cmu.edu`). *Vanishing viscosity in the plane with nondecaying velocity and vorticity.*

We establish convergence of solutions of the Navier-Stokes equations to the solution of the Euler equations as viscosity tends to zero when initial velocity and initial vorticity are bounded. We show that this convergence holds in the uniform norm over short time. (Received February 05, 2008)