1047-76-466　　　　　**Elaine Cozzi*** (`ecozzi@andrew.cmu.edu`). *Vanishing viscosity in the plane for nondecaying initial vorticity.*

Assuming that initial vorticity is bounded in the plane and does not necessarily decay at infinity, we show that the unique solutions of the Navier-Stokes equations converge uniformly to the unique solution of the Euler equations as viscosity approaches zero. (Received February 03, 2009)