

1110-35-378

Anna L Mazzucato* (alm24@psu.edu). *On helically-symmetric incompressible flows.*

We present a symmetry-reduced form of the Navier-Stokes and Euler equations under helical symmetry, and study certain distinguished geometric limits, under which the flows become close to planar flows. This is joint work with Milton Lopes, Dongjuan Niu, Helena Nussenzeig Lopes, and Edriss Titi (Received February 24, 2015)