1107-35-168   **Keith Leitmeyer***, kl2ju@virginia.edu. *Enstrophy Cascade in Physical Scales for the 3D Navier-Stokes Equations.*

An enstrophy cascade is exhibited for the 3D Navier-Stokes equations in physical scales independently of boundary conditions under physically reasonable assumptions on the flow. (Received January 13, 2015)