

1059-82-10

Gregory Falkovich* (gregory.falkovich@weizmann.ac.il), Physics, WIS, 76100 Rehovot, Israel. *Broken and emerging symmetries in turbulence.*

I will review the symmetry aspect of statistics for different cases of turbulence. This will include anomalies (i.e. symmetries broken by an infinitesimal perturbations) in the direct cascades and symmetries emerging in the inverse cascade. I will also discuss symmetries broken when the condensate appears in the system. (Received November 18, 2009)