

Helicity effects on large scale correlation time in turbulence

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What happens before the forcing wave-number ?

Turbulence the legacy of A. N. Kolmogorov, U. FRISCH p. 209

“Absolute equilibrium solutions seem highly unphysical in view of the approximately $k^{-5/3}$ spectrum of the three-dimensional turbulence. Actually, they are appropriate at the very smallest wave-numbers of turbulent flows maintained by forcing at intermediate wave-numbers (Forster, Nelson and Stephen 1977).”

Energy spectrum

