

INTERSTELLAR TURBULENCE: BRIDGING THE GAP BETWEEN NUMERICS AND OBSERVATIONS

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The current paradigm of the ISM and Solar Wind is that it is turbulent with turbulence affecting many important processes. For the ISM this includes star formation, cosmic ray acceleration, and the evolution of structure in the diffuse ISM. This makes it important to study interstellar and interplanetary turbulence using the strengths of numerical studies combined with observational studies. I shall discuss progress that has been made in the development of new techniques for comparing observational data with numerical MHD simulations.