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Scale-dependent anisotropy in gyrokinetic turbulence ANJOR KANEKAR, WILLIAM DORLAND, University of Maryland, ALEXANDER SCHEKOCHIHIN, Oxford University — Eddies in Alfvenic turbulence get progressively more elongated along the field line at small scales. To date, this has not been observed in gyrokinetic simulations. We present diagnostics of gyrokinetic simulations of Alfvenic and Kinetic Alfvenic turbulence at high beta [Howes et al., PRL, 107:035004:2011]. Our diagnostics follow [Chen et al. PRL, 104:255002:2010], who focused on the importance of the anisotropy dependence on the *local* magnetic field. We explore the validity of Chen et al.'s approach theoretically and with model data, and apply such diagnostics to the study of Alfven and Kinetic Alfvenic turbulence.

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