



## **Scaling of anisotropy with magnetic field in plasma turbulence**

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Plasma turbulence develops wave-vector anisotropy in the presence of an external magnetic field. For a plasma in a turbulent state, the energy cascades to short scales preferentially in the direction perpendicular to the magnetic field. However, the dependence of this anisotropy on the external magnetic field is unknown, especially if the latter keeps increasing to very large values. We study the scaling of the anisotropic factor, a measure of the anisotropy defined as the ratio between the average parallel and perpendicular wave numbers, with the strength of the external magnetic field. A limit on the anisotropy, if any, will be determined in different plasma models.