

DIFFUSION IN TURBULENT PLASMA
WITH ION TEMPERATURE ANISOTROPY

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S u m m a r y

On the base of the kinetic fluctuation theory, we consider the parametric interaction of lower hybrid and upper hybrid waves with ion-cyclotron oscillations in a plasma, where the ion velocity distribution function is anisotropic. The turbulent diffusion coefficient is found to depend significantly on the ratio between the parallel and perpendicular ion temperatures. Our results can be of interest in the investigation of anomalous transport processes in space and laboratory plasmas with ion temperature anisotropy.