

TEMPERATURE RELAXATION PROCESSES  
IN A MAGNETIZED PLASMA

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S u m m a r y

By means of the kinetic fluctuation theory, the relaxation process between the electron and ion temperatures in a magnetized homogeneous plasma is considered. The cases where the external upper-hybrid pump wave excites modified convective cells, ion-acoustic waves and ion-cyclotron oscillations with ion temperature anisotropy are analyzed. The inverse relaxation time in the regime, where turbulent fluctuations are developed, is calculated for these cases, and its dependence on the pump wave and plasma parameters is deduced.