

EFFECTS OF FINITE LARMOR RADIUS
AND ANISOTROPY OF THE PRESSURE
OF PLASMA ON THE STABILITY OF IDEAL
SMALL-SCALE MHD MODES IN A TOKAMAK
WITH RIPPLE MAGNETIC FIELD

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S u m m a r y

In the framework of ideal magnetohydrodynamic theory, the stability of ideal small-scale MHD modes is investigated allowing for the effect of finite Larmor radius in the anisotropic plasma of a tokamak with ripple magnetic field. The excitation zones of Mercier modes and ideal ballooning modes under these conditions, and their growth rates are obtained.