

عنوان مقاله:

Calculation of resistive spectrum of MHD modes in tokamak with small resistivity

محل انتشار:

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خلاصه مقاله:

The Compressible MHD resistance equations were written for the IR T) tokamak configuration with one or two singular surfaces for density mass profiles. And they are linearized around equilibrium state. The eigenvalues and eigenfunctions of the resistive MHD modes were obtained for poloidal and toroidal mode numbers numerically by Mathematica software for homogene and inhomogene plasma. The values obtained show that the eigenvalues are complex, and they are placed on certain curves. Also by drawing a diagram of eigenfunctions, it was determined that .they were damped

کلمات کلیدی: Tokamak, MHD Spectra, Resistive Spectrum

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