

GP3 The effect of a magnetic field on the radiative excitation and damping of high order p-modes

H. Saio

Astronomical Institute, Graduate School of Science, Tohoku University, Sendai, Japan

A rapidly oscillating Ap star pulsates in high-order p-modes under the influence of a strong magnetic field. The strong field modifies the angular and radial dependence of the pulsation amplitude (eigenfunction). Using a quasi-adiabatic analysis, we investigate how the magnetic deformation of the eigenfunction affects the kappa-mechanism excitation and the radiative damping of the pulsation.
