

Quasi-periodic Oscillations from Stellar Flares and Diagnostics of Flaring Plasma

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Quasi-periodic oscillations in radio, X-rays and optical emission from flaring stars are investigated using coronal seismology method. Therewith two approaches are used. The first one considers the stellar coronal magnetic loops as the resonators for MHD-oscillations. The second approach suggests a coronal loop as an equivalent electric (RLC) circuit. It is shown that both approaches are good diagnostics tools for parameters of flares on the Sun and late type stars. A possible origin of high frequency QPO from SGRs is proposed.