
Prominence Seismology

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Abstract

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Magnetohydrodynamic (MHD) wave activity is ubiquitous in the solar atmosphere. MHD seismology aims to determine difficult to measure physical parameters in solar magnetic and plasma structures combining observed and theoretical properties of MHD waves and oscillations. Here, we will present an overview of recent results obtained by applying this technique to large and small amplitude oscillations observed in prominences. Furthermore, we will consider how the study of MHD instabilities in prominences could also help to determine its physical properties.

Keywords: Prominences, MHD waves, Magnetic fields

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