



Current trends in coronal seismology

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The review covers observational studies of MHD waves and oscillations in the corona of the Sun in radio, VL, EUV and X-ray bands, and interpretation of the observations in terms of MHD theory. A particular interest is paid to kink and sausage fast magnetoacoustic modes and longitudinal (or acoustic) modes of coronal loops. The use of MHD waves for remote diagnostics of coronal plasma - coronal seismology - is discussed. In particular, methods for estimation of the coronal magnetic field, transport coefficients, subresolution structuring and heating function, are presented.