Observations of Solar Coronal Waves and Oscillations by Stereo, Trace and Hinode

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Since their observational confirmation a decade ago, coronal waves and oscillations have made a significant impact on solar physics. They provide valuable insight into the structuring of the corona and have been a main driver behind the development of solar MHD theory. In this review I will take stock of the observations of longitudinal and transverse waves in the corona and highlight the impact from the new batch of instruments such as STEREO, Hinode and SDO. For instance, STEREO has provided the opportunity to study the three-dimensional structure of oscillating loops. Also, I will discuss the influence of Hinode and CoMP observations on the debate about the nature of transverse waves. Finally, I will present the status of the technique of coronal seismology.