Coronal Seismology: Application to Bright Points in a Coronal Hole

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Background & Motivation

The method of coronal seismology is based on the theories of ideal magnetohydrodynamics (MHD). Waves and oscillations in the solar corona are modelled in a straight cylindar with uniform magnetic field. This cylindar acts as a waveguide; examples include coronal loops and filaments/prominances.

Coronal Seismology

1. Observe disturbances
2. Measure physical parameters
3. Identify wave properties
4. Extract physical parameters

Data

Results

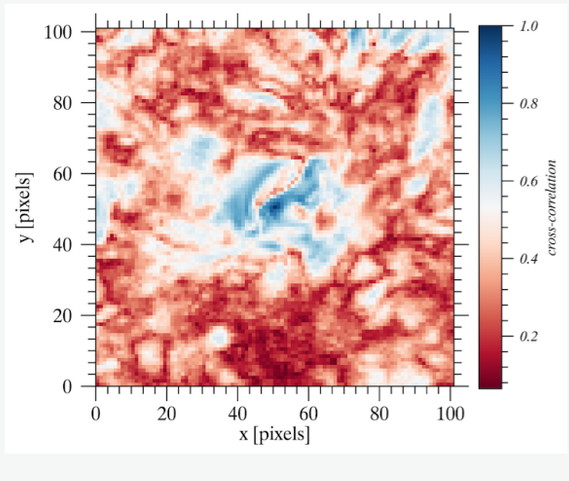

Figure 2: Cross-correlation image

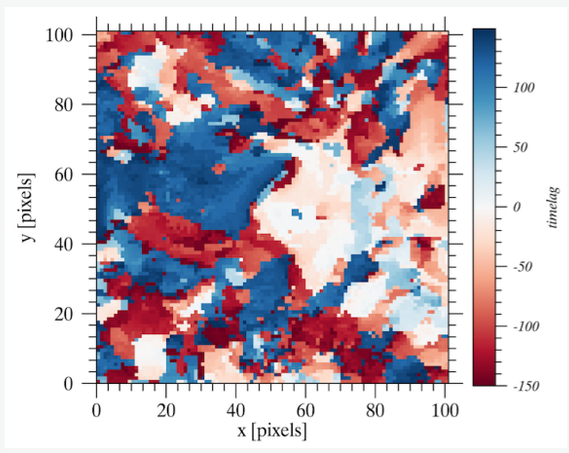

Figure 3: Timelag image

Conclusions

Future Work

Acknowledgements