

Helioseismology, the use of seismic methods for studying the Sun, provides crucial information about the internal structure and processes of the Sun, including sunspots and the flow of plasma.

Interdisciplinary approaches involving Geophysics, including those developed in the group to which I am affiliated (e.g., Tong, 2005), have made a significant contribution to the recent development in helioseismology.

I wish to present analysis techniques developed for geophysical inversion in the analysis of helioseismic data that improve the reliability of plasma flows beneath the visible surface of the Sun.

References:

Tong, C. H., Imaging sunspots using seismic methods, *Philosophical Transactions of the Royal Society: Mathematical, Physical and Engineering Sciences*, v. 363, p. 2761-2775, 2005.