



## **A note on different definitions of Travel Time in p-mode Time-Distance**

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Time distance local helioseismology measures the travel-times of solar waves between any two locations on solar surface and interprets them via solving the forward problem, connecting the travel-time changes to perturbations in the solar interior model. There are currently two definitions of travel-times used in time-distance p-mode helioseismology: Gabor wavelet fitting and perturbation to the cross-correlation function. We compare the two definitions and show that there are significant differences that have to be taken into account when selecting the sensitivity kernels for the inversion of travel time data.