

# Estimation of time delays from unresolved photometry

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Long time monitoring of the gravitational lens systems often proceeds using telescopes and recording equipment with modest resolution. From high resolution images we know that the obtained quasar images are often blends and the corresponding time series are not pure shifted replicas of the source variability (let us forget about microlensing for a moment). It occurs, that using proper statistical methods, we can still unscramble blended lightcurves and compute correct time delays. We will show how to use dispersion spectra to compute two independent delays from  $A, B1 + B2$  photometry and in the case of high quality photometry even more delays from truly complex systems. In this way we can significantly increase the number of gravitational lens systems with multiple images for which a full set of time delays can be estimated.