

Testing the origin of the prominent events in microlensed QSOs

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To find the most probable origin of the high-magnification events in microlensed QSOs is not an easy task. In the past decade, as due to the sparse sampling of the fluctuations, this kind of analysis was not viable. However, recent brightness records of Q2237+0305A from two independent observatories enable us a discussion about the origin of the observed event: microcaustic crossing event, source passing close to a microcusp,...?. The key idea is a comparison of the observations and a big number of synthetic light curves (simulations). The simulations correspond to source trajectories in magnification patterns.