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Progress report

INFLUENCE OF GRAVITATIONAL MICROLENSING ON BROAD ABSORPTION LINES OF QSOs

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Here we give a brief overview of some investigations of the gravitational microlensing influence of spectral lines of lensed QSOs. Especially, we consider the microlensing influence on broad absorption lines using a model of an accretion disk covered by an absorbing region. Gravitational microlensing is modeled by ray shooting method which enables us to obtain realistic microlensing patterns. We obtain that microlensing can affect both emission and absorption component of line that depends on dimensions on emission and absorption line regions. Here we give detailed analyses of emission and absorption line shape variations due to gravitational microlensing.