## 10th International Conference on Gravitation and Cosmology: New Horizons and Singularities in Gravity (ICGC 2023)



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## Strong deflection gravitational lensing by kazakov-solodukhin black hole

We investigate the affine perturbation series of the deflection angle of a ray near the photon sphere of by kazakov-solodukhin black hole . The values of strong field parameters calculated and analyzed its variation with deformation parameter. With the help of lens equation the expression for angular position of innermost image, the angular separation of outermost image with the remaining images and the relative magnification derived. The numerical estimation of lensing observable for different super massive black holes are performed

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