

**INFLUENCE OF THE SMBBH TO THE BROAD LINE ASYMMETRY
IN CASE OF LOW MASS RATIO SYSTEMS**

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We investigate broad line shapes emitted from the supermassive binary black holes (SMBBHs) for a special case of components having quite different masses, (mass ratio $q \sim 0.1$) with the accretion present only in the less massive component. We used the model presented in Popović et al. (2021) that assumes a complex broad line region (BLR), composed of a moving BLR of the less massive component and one circum-binary BLR. We analyze the $H\beta$ line shapes and light curves taking the different total masses of the SMBBH, in the range 10^6 to 10^9 Solar masses. The asymmetry of the line shape is discussed in terms of expected differences between SMBBH with one active component and a recoiling black hole.