

## POSSIBLE SUPERMASSIVE BINARY BLACK HOLE SIGNATURES IN SOME AGN

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Supermassive binary black holes (SMBBH) are expected as a final stage of a merging galaxies. Their orbiting in the core of galaxies should be very energetic phenomena, therefore one should expect to trace their signatures in some active galactic nuclei (AGN). By comparing their variability time scales in the observed light curves to expected orbiting time scales for measured black hole masses, in each object, it is possible to identify SMBBH candidates, and examine other the observational effects that could help identifying them in the future.