

Periodic variability of AGNs: binary or something else

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Here we review variability time scales in optical light curves of AGN, with a focus on possible detection of possible periodic and quasi-periodic variability in them. Observed variability time scales that are found in typical AGN light curves show values that are consistent with orbital time scales (around their central supermassive black hole). We discuss possible scenarios that could produce variability patterns observed in these light curves, as well as the shapes of their broad emission lines. In a few cases, we modelled radial velocity curves.