GAUSSIAN PROCESSES FOR LONG-TERM OBSERVED CONTINUUM AND BROAD LINE LIGHT CURVES OF E1821+643

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A binary black hole candidate QSO E1821+643 has been monitored in the period from 1990 to 2014. Our findings suggest a possible periodicity in the continuum and broad emission line light curves (Shapovalova et al. 2016), which may be caused by orbital motion. To explore the periodicity indications we applied non-parametric models, i.e. the Gaussian processes, to the continuum and broad emission line light curves of QSO E1821+643.

References