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The spectral lines of the accretion tori

Spectroscopic analysis of the radiation of binary stellar systems, which contain a neutron star or a black hole, is still among the most topical areas of relativistic high energy astrophysics. The strong dependence of the spectral profiles on the configuration of the source-observer system suggests that the spectral profiles can carry substantial information about the compact object and its surrounding area. We study the spectral lines of the accretion tori oscillating in the vicinity of the compact object as measured by an observer located at infinity.

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