Radial Velocities of Numerically Simulated, Edge-On Cataclysmic Variables

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In this poster, we present preliminary results on theoretical radial velocities (RVs) of edge-on, numerically simulated, non-magnetic Cataclysmic Variables. We show how effects such as disk ellipticity and resulting gas particle speeds along the rim of the disk affect theoretical radial velocity curves. The numerical simulations in this study use SPH three-dimensional, hydrodynamics and have been recently published in MNRAS. We compare our theoretical RVs to observed RVs to gain insight into which CV components may contribute to the curves of observed RVs.