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Mass, density and circumferential radius in general-relativistic Keplerian disks around black holes

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In my talk I consider self-gravitating toroidal disks around black holes that rotate according to the generalrelativistic Keplerian rotation law. During our research on the problem of mass estimation in such systems new effects have been discovered. They concern density and circumferential radius and appear, when disks are massive enough. In my talk I would like to present these effects.

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