Description

In computations of Vlasov gas flow accreted onto a moving black hole only a few examples has been computed and visualized, cf. Figs. 3&4 in https://arxiv.org/abs/2009.13433. Figures visualize vector field J_μ given by equations (32), (33), and (34a-d). Goal of the project is to create animation showing black hole moving with increasing relativistic velocities, in the range $v = 0 \dots 1$ (in units of c) in steps no less than 0.05. Single frame of the animation might look like: