

Different models of Dynamical Friction in simulations

Sebastian Bustamante

Contents

1	BH glued to potential minimum (Springel et al., 2005)	2
2	BH glued to potential minimum (Springel et al., 2005)	2

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The approach followed here is to glue the BH particles to the potential minimum of the closest galaxy. This has proven to be numerically stable, yet unrealistic. This is what is currently implemented in the AREPO code and Illustris and Auriga simulations.

2 BH glued to potential minimum (Springel et al., 2005)

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References

Springel V., di Matteo T., Hernquist L., 2005, Monthly Notices of the Royal Astronomical Society, 361, 776