

Modifications in AREPO

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blackhole_mergers.c

- **41:** including definition of variables pos and vel for structure with accreted BHs.
- **202:** sending properties of accreted BHs (same node).
- **240:** sending properties of accreted BHs (different nodes).
- **352:** routines to apply merger recoil kick.
- **736:** applying recoil kick and updating position of remnant to the centre of mass of the binary
- **750:** adding recoil kick to remnant
- **904:** storing properties of accreted BHs (same node).
- **1016:** storing properties of accreted BHs (different nodes).