Pf-P002 Room: IM2 Time: June 28 12:30-14:00

The problem and its solution of SPH calculation for protoplanetary disks.

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Smoothed Particle Hydrodynamics (SPH) method is one of the calculation method of fluid dynamics which is commonly used in the astrophysics. When we apply this method to the system with strong shear motion, however, some critical problems emerge. We analyse these problems and discuss how to modify the method.