

Dynamical Evolution of Compact Young Clusters near the Galactic Center

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Recent NIR observations with high spatial resolution have partially unveiled the nature of compact young clusters near the Galactic center. Newly obtained physical parameters suggest the current relaxation time of these clusters to be only order of million years or even shorter. Since their ages are several million years, it is expected that these clusters already underwent or will soon undergo significant dynamical evolution. We have simulated such evolution with Fokker-Planck models including the effects of stellar evolution and tidal field, and compared the results with observation. The effects of primordial gas evaporation from the cluster in the very beginning due to strong stellar wind from massive stars are also discussed.