

[초IT-02] Star Cluster Formation: The Big Picture

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Star (and star cluster) formation is one of the most fundamental processes occurring over a range of scales and intensities throughout the Universe, yet it is still rather poorly understood. I will review and focus on the broad, underlying picture and discuss the requisite conditions for sustained progress in this field, aided by recent achievements in the context of my group's star cluster research. In particular, exciting recent developments in theory and observations call for renewed scrutiny of the early evolution of star clusters, for instance in the context of early dynamical evolution and primordial binary fractions. Improved understanding of the star formation process will require a combination of careful observational efforts and sophisticated numerical simulations.