R37a Angular momentum content of dwarf galaxies

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In the gravitational instability picture, galaxies are formed under the influence of gravity from small density perturbations in the early universe. In this case, angular momentum have been transferred to the developing proto-galaxy through tidal interactions with its neighbours. Barnes & Efstathiou(1987) designed a series of cosmological N-body simulations to study the origin of angular momentum in galaxies. We have performed N-body simulations in similar fashion, but with bound objects having mass scales of dwarf galaxies. By investigating the growth and distribution of the angular momentum, we try to obtain an insight to the formation and evolution of dwarf galaxies.