Stellar and dark matter density in the Local Universe

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Using recent all-sky catalogs of galaxy groups, we accurately calculated the mean density profiles for stellar and dark matter in the Local Universe up to distance scales of 135 Mpc. We found that the luminous mater density reaches its global asymptotic value when averaged over sphere of radius greater than 40 Mpc, while the dark matter density is much smaller than the cosmological value, within a sphere of 40 Mpc dark matter density drop to Ωm = 0.09-0.14. We conclude that the major part of the dark matter is located outside the virial and collapsing zones of groups and clusters.