

Poster

Semi-dark dwarf galaxy Coma P on the periphery of the Virgo cluster

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Based on archival images of the Hubble Space Telescope, stellar photometry of the Coma P dwarf galaxy was carried out. Study of morphology and apparent distribution of the stars showed that Coma P consists of two interacting dwarf galaxies. Weak star formation is observed in the brighter galaxy, while in the second galaxy star formation is absent; because of the very low surface brightness, the second galaxy can be called 'dark'. The distance to the galaxies, measured by the TRGB method ($D = 12.7$ Mpc), indicates that Coma P is located on the periphery of the Virgo galaxy cluster.