

Cosmography of the Local Volume

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A representative sample of nearby galaxies is the basis for solving various problems of extragalactic astronomy, a source of important information about galaxies, their formation and evolution, distribution in space and the formation of the large-scale structure of the Universe. The Local Volume, a sphere of about 10 Mpc radius, gives us a unique opportunity to observe a large number of dwarf galaxies of extremely low surface brightness, inaccessible to observations at large distances. We will present the current status and ongoing projects to study Local Volume galaxies, search for new galaxies, calibrate distance scales, and map their distribution in space.

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