Cosmic Flows

Lecture course University Groningen Apr. 2009-July 2009





















Local Superclusterflow Lílje, Yahil & Jones 1986







POTENT map



















Fig. 16. Distribution in Galactic coordinates of the 76 by Ebeling et al. [129] so far spectroscopically confirmed X-ray clusters (solid dots) of which 80% were previously unknown. Superimposed are Galactic HI column densities in units of 10^{20} cm⁻² (Dickey & Lockman 1990). Note that the region of relatively high absorption ($N_{\rm HI} > 5 \times 10^{21}$ cm⁻²) actually is very narrow and that clusters could be identified to very low latitudes



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foamlike matter distribution in our immediate Cosmic Vicinity.















