

Asiago Supernova Catalogue objects subsample characteristics

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The homogeneous subsample characteristics understanding is necessary for the investigation of any astrophysical objects redshift distribution, for example, gamma-ray bursts. The type Ia supernovae considered as a homogeneous subsample because of suggestion that these luminous events might be used as standard candles for cosmological measurements occurs since the earliest studies of supernovae in 1938. The parameters of our Metagalaxy Ω and Λ were determined due sample of Ia supernovae from the Supernova Cosmology Project analysis in 1998. Since then more than 4000 supernovae were added.

The results of the redshift distribution analysis for supernova from the catalog are presented in this work. The ability to use an analyzed dataset as homogeneous subsample also is discussed.

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