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The results of analysis of Ia supernovae redshift distribution on data of the Asiago Supernova and Open Supernova Catalogues

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The shape of redshift distribution for uniform sources set in our Metagalaxy defined by cosmological parameters and properties of space is Euclidean at small redshifts and de-Sitter at $z > 0.7$. Firstly the parameters of our Metagalaxy Ω and Λ were determined due sample of Ia supernovae from the Supernova Cosmology Project analysis in 1998. Now several thousand supernovae characteristics analyzed in new catalogues. The results of the redshift distribution analysis for supernova from the Asiago Supernova and Open Supernova Catalogues are discussed in this work. The preliminary results of data analysis show that several peculiarities are presented in Ia supernovae redshift distribution at $z > 0.4$.

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