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COSMOLOGICAL KLT FOR EINSTEIN-DE SITTER UNIVERSE WITH SETI APPLICATIONS

Abstract

The relativistic KLT was firstly considered by one of the authors as early as the 1990's, but that was confined to special relativity only.
During the SETI 1 Session of the IAC 2019 held in Washington DC, these authors presented a paper attempting, for the first time, to extend their KLT calculations to the Friedmann-Lemaitre-Robertson-Walker (FLRW) metric of the expanding universe. It was claimed that their new results could be of interest for SETI applications regarding incoming signals from receding galaxies.
In this new paper the previous paper's calculations are applied to the Einstein-De Sitter model of the expanding universe, thus paving the way for further cosmological applications of the KLT.