

An updated 3D map of the solar neighbourhood using OB stars and *Gaia* DR3

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Abstract

With the ongoing astronomical revolution brought by ESA's *Gaia* mission, our view of the Galaxy and its history is changing at rates never seen before. We are starting to realise the convoluted intricacies of the solar neighbourhood in the young stellar component, while witnessing previously well established stellar structures being called into question. Here we present the most comprehensive 3D map of the ~ 5 kpc solar neighbourhood, using an updated version of the ALS III catalogue of Galactic OB stars.

My poster in zenodo.org can be found here