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ABSTRACTS

A sky map in the Aitoff-Hammer projection

Loredana Stoica, Doina Vasilca(Romania)

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Abstract

Aitoff-Hammer is an equal-area map projection generally used for representing the world map. In this article, we present its application to a celestial hemispheres map. For its creation, we started from the equatorial coordinates of the brightest stars, which were firstly converted into geographical coordinates and then into Cartesian coordinates. We also analysed the distortions produced by this map projection and we therefore highlighted the advantages and disadvantages of using it for creating one such map.