

**INVESTIGATION OF THE SPIN OF THE GAIA DR2 REFERENCE FRAME  
USING BRIGHT STARS WITH G-MAG UNTIL 13**

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Abstract: There is an indication that the bright reference frame of Gaia DR2 rotates relative to the faint part of DR2. The order of the mentioned rotation is small, and it is of the order of 0.1 mas/yr (which is difficult to obtain). Using few sets of the independent data (as the Independent Latitude Stations - INDLS, Hipparcos, new Hipparcos, and other catalogs) in combination with DR2 via common stars, some results about it are presented.