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OAG-SVO Star Analyser Spectroscopic Data Base SASDABA Pro-Am Project

SASDABA_Double_Stars_a_b_Cross_Index

Dear colleagues,

In the Reference Charts (Harvard College Observatory) of the project, we will find certain stars designated with the letters "a" and "b". These correspond to double and multiple stars selected by D.H. Menzel in his 1964+ Guide, which serves as a reference to SASDABA spectroscopic survey.

These stars must be included in our observations, but depending on the brightness of secondary components, we will obtain the spectrum only of the main component. Some are 8th magnitude, depending on the observer's instrument to obtain the spectrum or not.

Double stars with the letter "a" have the same numbering as the ADS (Aitken Double Stars Catalog, 1932). Therefore, a_48 = ADS_48. They correspond to stars visible in their entirety from the mid-latitudes of the northern hemisphere.

Double stars with the letter "b" have no correspondence in any catalog. Menzel attributed an arbitrary number based on his AR order. Therefore, identification is somewhat more difficult. Thus, b_1 is LAC_119_AC or Beta_1-2_Tuc.

To facilitate the identification of stars "a" and "b" the project coordination has created a list of cross identifications. For all of them, the HIP catalog number is provided, as well as the star designation in the WDS (Washington Double Stars Catalog 2000).

You will find this cross list in the attached Excel file.

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