

A CATALOGUE OF VARIABLE AND VISUAL DOUBLE STARS

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Abstract

This catalogue (published in the Bull. A.F.O.E.V., No. 15, 1981, pp. 5-12) contains about 300 stars brighter than magnitude 15 that are simultaneously variable in light and members of visual binaries. The list was compiled in several steps. First we selected stars that appear in both the General Catalogue of Variable Stars (Kukarkin et al. 1969) and the Index Catalogue of Visual Double Stars (Jeffers et al. 1963). This selection gave a list of 223 pairs brighter than magnitude 10. To this list we added the stars of the catalogue of Baize (1962) which had not already been included, and also the stars of the Catalogue of Flare Stars (Pettersen 1976).

The catalogue contains stellar coordinates, identification numbers, type of variability, period, magnitudes at maximum and minimum, spectral types, separation and position angle, and parallax. Individual notes are appended to many entries.

REFERENCES

- Baize, P. 1962, Journ. des Obs. 45, 117.
- Houk, N. 1978, Michigan Catalogue of Two-Dimensional Spectral Types for the HD Stars 2, University of Michigan.
- Jaschek, M. 1978, Cent. de Donnes Stel. Inf. Bull. 15, 121.
- Jeffers, H. M., van den Bos, W. H., Greeby, F. M. 1963, Publ. Lick Obs. 21.
- Kukarkin, B. V., et al. 1969, General Catalogue of Variable Stars, Moscow.
- Pettersen, B. R. 1976, Catalogue of Flare Stars, Rept. 46, Institute of Theoretical Astrophysics, Oslo.