

COMMISSION 27 OF THE I. A. U.
INFORMATION BULLETIN ON VARIABLE STARS

Number 1744

Konkoly Observatory
Budapest
1980 February 22

CATALOGUE OF PARAMETERS FOR ECLIPSING BINARIES
(short communication)

On the basis of A Catalogue of Photometric Parallaxes of Eclipsing Binaries (Dworak, 1975) geometric and physical parameters for 1048 eclipsing binaries have been calculated. For calculations we used an iterative method for numerical solutions of the following equations: the third Kepler's law, the Stefan-Boltzman law, the mass-luminosity relation and the relation between relative and absolute radii of components for any eclipsing system. Additionally the radii of Roche lobes have been calculated according to the formulae given by Paczynski (1971). The Catalogue will be published in Acta Astronomica in future. If anybody would like to obtain the computer copy of the Catalogue he is asked to contact with the authors of this communication.

The Catalogue contains the following data of every given star: the name of the star according to GCVS(1971); period in days; the parallax in $0''.00001$; separation between the components in solar radii; the absolute radii of components in solar radii; per cent of filling up of the Roche lobe RL1 and RL2; the integral bolometric luminosities L1 and L2 in solar units; the temperatures T1 and T2 in kelvins; the sum of mass SM in solar units; the ratio of mass ALFA; the mass of the first component in solar units; the classical type of eclipsing binaries according to GCVS (A-*algol* type, B- β Lyrae type, W-W *Uma* type, E-eclipsing binary of unknown type); the type of Kopal's classification of

the eclipsing systems according to calculated radius of the Roche lobe (D-detached system, S-semidetached system, C-contact system, where we understand that the star fills up its Roche lobe if we obtained 95 per cent or more); and the observed spectrum of the system.

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