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THIRTY ECLIPSING BINARIES PROBABLY 100 PS DISTANT
FROM THE SUN

The list below contains thirty eclipsing variables, which may be 100 ps distant from the Sun. For these stars $\pi_f \approx 0".01$, where π_f denotes calculated photometric parallax (Dworak 1975).

DV Aqr	SV Cam	BS Dra	SU Ind	ER Ori	GR Tau
EE Aqr	VZ CVn	CO Eri	UV Leo	KZ Pav	HO Tel
RR Ari	CW Cas	GX Gem	AP Leo	RS Sct	DZ Vel
TZ Boo	RS Cha	RV Gru	UX Men	AU Ser	DL Vir
VW Boo	V1061 Cyg	HS Hya	V508 Oph	EN Tau	W Vol

The trigonometric parallaxes for these thirty eclipsing binaries, together with forty given earlier (Dworak 1973), should be measured in the first term.

Moreover, the photometric and spectrophotometric observations of these eclipsing stars are very needed. These observations would considerably amplify the material for investigation of the physical properties of close binary systems.

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References:

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