

The dimensions of the system hence become

	Uniform	Darkened
a , semi axis major primary orbit	2,611,000	2,575,000
" " " secondary "	7,067,000	6,963,000
" " " relative "	9,681,000	9,538,000
a in terms of radius of sun.	13.92	13.71
r , semi diam. brighter	3.76	3.70
" " " fainter	1.81	2.17
mass brighter star	5.10	1.58
" " " fainter	3.36	3.21
mass brighter star	1.21	1.19
mass fainter " "	1.60	1.10
total mass system	57	21
density brighter star	0091	0121
" " " fainter " "		

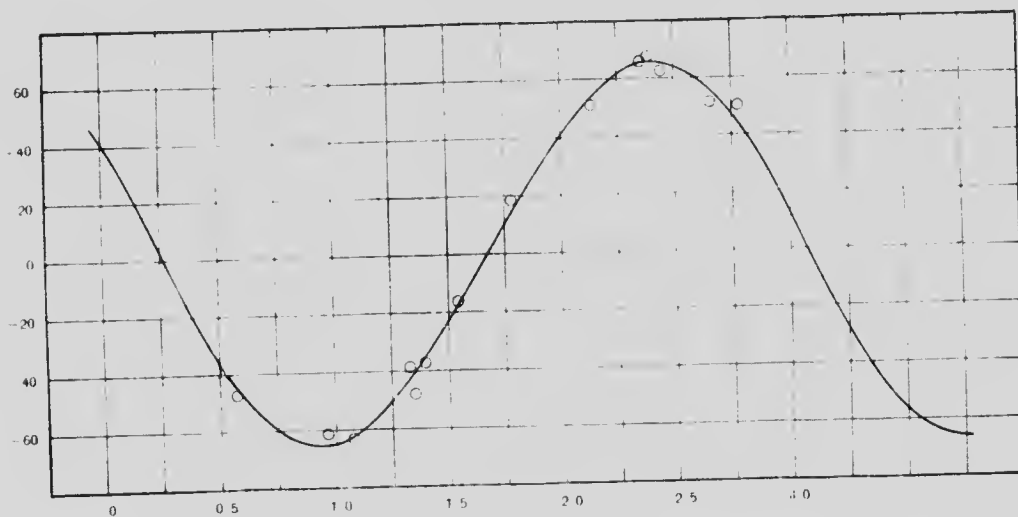


Fig. 3. T W Draconis

A graph of the velocity curve with the observations as circles is shown in Fig. 3.

CONCLUSION.

It may be of interest to summarize the dimensions of the two systems obtained here with the seven previously secured, that are known to me. The orbit of T W Draconis is not included in this summary, as owing to absence of the second spectrum the dimensions are not absolute. The following table gives the principal dimensions using the darkened photometric orbit in each case, where there are two or more solutions.