

# AN OPTICAL AND ULTRAVIOLET SURVEY OF ALGOLS

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ABSTRACT. We present a table of results from our survey of Algols, conducted with the Lick Observatory ITS scanners and the IUE spectrometer.

We have determined the continuous flux distributions for a number of the Algol systems. Optical scans were made with the ITS scanners of Lick Observatory, while for the ultraviolet flux distributions, we used the *IUE* satellite spectrometer in the low-dispersion mode. The following table summarizes the results:

Name	phase	E(B-V)	$T_{eff}$	log $g$	spectrum
U Cephei	0.4025	0.03	11,250	4.0	B8.3 V
RS Cephei	0.3212	0.03	9,700	3.75	B9.7 IV-V
U Coronae Bor	0.3700	0.03	14,000	4.0	B6 V
S Equulei	0.8552	0.10	11,250	4.0	B8.3 V
RZ Eridani	0.0964	0.03	7,100	4.25	F0 V
RX Geminorum	0.6580	0.03	9,450	4.0	A0 V
RY Geminorum	0.2565	0.04	9,400	4.0	A0 V
AW Pegasi	0.9462	0.00	9,100	4.0	A1 V
RW Persei	0.9011	0.40	9,750	3.95	B9.6 IV-V
RY Persei	0.1316	0.12	15,000::		B5::
U Sagittae	0.5775	0.06	12,500	3.9	B7.5 V
RW Tauri	0.4645	0.14	11,750	4.2	B8 V
S Velorum	0.0652	0.04	8,700	4.0	A2.5 V

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