

ASTRO 125 Assignment #2 Fall 2012 54 points

Name: _____

This is an exercise in pointing small telescopes at interesting binary stars, to be completed over the whole observing season. For this exercise you may use any of the scopes with at least a 10" aperture (except the 14" in the dome).

Each time you point a scope at one of these 21 binaries you will earn one point. Only one point per binary per night may be earned. A maximum of three points per binary may be earned over the whole semester, for a total of 63 points. (Extra points allow for the wide range of sky involved.)

Forms are available in the shed for recording your observations each night. An observing assistant will OK each pointing and collect your forms before you leave. Use this page to keep track of your progress by recording the date of each successful pointing. I will also keep a record of your point total on this assignment as the semester progresses and will keep you advised of your standing in the class.

(Record of Pointing Dates)

<u>STAR</u>	<u>HR</u>	<u>SEP(")</u>	<u>MAGS</u>	<u>COLORS</u>	<u>1st</u>	<u>2nd</u>	<u>3rd</u>
κ HER	6008	28	5.3 6.8	yellow, yellow	_____	_____	_____
ν DRA	6554	62	4.9 4.9	white, white	_____	_____	_____
ψ DRA	6636	30.3	4.9 6.1	yellow, yellow	_____	_____	_____
ζ LYR	7056	43	4.3 5.8	topaz, green	_____	_____	_____
θ SER	7141	22.6	4.5 5.4	yellow, yellow	_____	_____	_____
15 AQL	7225	38	5.5 7.2	white, lilac	_____	_____	_____
β CYG	7417	35	3.1 5.1	yellow, blue	_____	_____	_____
57 AQL	7593	36	5.8 6.5	white, white	_____	_____	_____
ο CAP	7829	21.9	6.1 6.6	white, blue	_____	_____	_____
γ DEL	7947	10.4	4.5 5.5	yellow, green	_____	_____	_____
ε EQU	8034	11	5.7 7.1	yellow, blue	_____	_____	_____
61 CYG	8085	28	5.2 6.0	orange, red	_____	_____	_____
δ CEP	8571	41	3.5-4.4 6.3	gold, blue	_____	_____	_____
ψ ¹ PSC	0310	30	5.6 5.8	blue, blue	_____	_____	_____
ζ PSC	0361	23.6	5.6 6.5	white, yellow	_____	_____	_____
λ ARI	0569	37.4	4.8 7.4	yellow, blue	_____	_____	_____
59 AND	0628	16.7	6.1 6.7	yellow, blue	_____	_____	_____
66 CET	0650	16.3	5.7 7.7	yellow, blue	_____	_____	_____
χ TAU	1369	19.4	5.5 7.6	blue, yellow	_____	_____	_____
20 GEM	--	20	6.3 6.9	yellow, white	_____	_____	_____
19 LYN	2784	14.8	5.5 8.5	yellow, blue	_____	_____	_____