

ζ LEONIS(1900, $\alpha = 10^h 11^m \cdot 1$, $\delta = +23^\circ 55'$, mag. 3.65, type F)

This star was announced a binary by Campbell in *Lick Observatory Bulletin*, 199.
Our measures follow:

Plate	Date, G. M. T.	Velocity	Lines
5325	1913, Jan. 27.734	-12.7	10
5331	" 28.722	-16.3	9
5342	Feb. 3.857	-8.5	5

MEASURES OF ζ LEONIS

λ	5325		5331		5342									
	Vel.	Wt.	Vel.	Wt.	Vel.	Wt.	Vel.	Wt.	Vel.	Wt.	Vel.	Wt.	Vel.	Wt.
4395.286	-26.0	$\frac{1}{2}$	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4352.906	14.7	$\frac{1}{4}$	-36.4	$\frac{1}{2}$	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4340.634	14.4	$\frac{1}{4}$	11.6	$\frac{1}{2}$	-3.7	$\frac{1}{2}$	.....	.....	.....	.....	.....	.....	.....	.....
4325.939	.....	.....	24.8	$\frac{1}{2}$	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4274.760	18.9	$\frac{1}{2}$	29.3	$\frac{1}{2}$	-14.3	$\frac{1}{2}$	.....	.....	.....	.....	.....	.....	.....	.....
4198.494	4.8	$\frac{1}{2}$	0.8	$\frac{1}{2}$	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4143.928	40.5	$\frac{1}{2}$	36.2	$\frac{1}{2}$	-30.4	$\frac{1}{2}$	.....	.....	.....	.....	.....	.....	.....	.....
4104.890	20.7	$\frac{3}{4}$	25.0	$\frac{1}{2}$	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4063.756	39.1	$\frac{1}{4}$	.....	.....	-29.0	$\frac{1}{2}$	.....	.....	.....	.....	.....	.....	.....	.....
4045.975	24.5	$\frac{1}{2}$	36.2	$\frac{3}{4}$	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4005.597	-18.6	$\frac{1}{2}$	-21.4	$\frac{1}{2}$	+3.7	$\frac{1}{2}$	.....	.....	.....	.....	.....	.....	.....	.....
Weighted mean	-22.11		-25.24		-14.12		.....	.....	.....	.....	.....	.....	.....	.....
V_a	+9.64		+9.43		+6.09		.....	.....	.....	.....	.....	.....	.....	.....
V_d	+0.07		+0.08		-0.17		.....	.....	.....	.....	.....	.....	.....	.....
Curv.	-0.28		-0.28		-0.28		.....	.....	.....	.....	.....	.....	.....	.....
Radial Velocity	-12.7		-16.3		-8.5		.....	.....	.....	.....	.....	.....	.....	.....