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 Astronomisches Institut der Universität Erlangen-Nürnberg
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PERIOD-CONTROL OF THE CEPHEIDS V737 CEN AND AX CIR

BV 417, meanwhile V737 Cen = CAP $-61^{\circ}4468(7^m.1) =$
 HD 128 037(G5); $b = +1^{\circ}6$

Max = JD 242 8656.350 + 7^d.065 85 . E

Maxima	E	O - C	Maxima	E	O - C
242 8656.362(S)	0	+0.012	243 8549.331	1400	+0.791
8663.458(S)	1	+0.042	8577.244	1404	+0.441
8685.285(S)	4	+0.672	8583.247	1405	-0.622
8712.262(S)	8	-0.615	8584.246	1405	+0.377
8713.272(S)	8	+0.395	8880.423	1447	-0.212
243 4365.577(S)	808	+0.020	8887.355	1448	-0.346
4507.524(S)	828	+0.650	.403	1448	-0.298
4570.300(S,+)	837	-0.166	8916.299	1452	+0.335
8195.312	1350	+0.060	.345	1452	+0.381
8202.290	1351	-0.023	8930.254	1454	+0.158
8223.253	1354	-0.258	.300	1454	+0.204
8230.217	1355	-0.360	9184.414	1490	-0.052
8471.538	1389	+0.722	9233.276	1497	-0.651
8498.451	1393	-0.628	.319	1497	-0.608
.495	1393	-0.584	9269.376	1502	+0.119
8499.443	1393	+0.364	9319.219	1509	+0.501
.488	1393	+0.409	9566.528	1544	+0.503
8520.386	1396	+0.991	9671.854(NZ)	1559	-0.156
.431	1396	+0.154	9678.833(NZ)	1560	-0.243
8548.286	1400	-0.254	.885(NZ)	1560	-0.191
.331	1400	-0.209	9679.823(NZ)	1560	+0.747
8549.286	1400	+0.746	.875(NZ)	1560	+0.799

(S) = Sonneberg, H.GESSNER

(NZ) = New Zealand, I.PATERSON

Maxima	E	O - C	Maxima	E	O - C
242 1731.676++	-980	-0.141	241 8517.562	-1435	+0.707
1428.516++	1023	+0.531	8453.594	1444	+0.331
1421.534	1024	+0.614	8375.457	1455	-0.081
1046.542	1077	+0.112	8368.440	1456	-0.032
0990.634	1085	+0.731	8036.818	1503	+0.441
0756.485++	1118	-0.245	7774.568	1540	-0.373
0389.531	1170	+0.225	7711.620++	1549	+0.272
0332.559+	1178	-0.220	7704.581+	1550	+0.299
0325.624+	1179	-0.089	7018.628	1647	-0.267
241 9604.591	1281	-0.405	6636++	1701	-0.660
8884.547+	1383	+0.268	6361.528	1740	-0.243
8552.230++	1430	+0.046	6298.600	-1749	+0.422

All maxima before JD 242 1731 on plates of the Harvard Observatory (estimated by H. BAUERNFEIND, Bamberg).

No variability in the period in the time interval 1903-1967

BV 428, meanwhile $AX \text{ Cir} = CAP -63^{\circ}3436(6^m.8) =$

HD 130 701/2(F5/A2); $b = -4^{\circ}0$

Max = JD 242 8691.425 + $5^d.273 \ 46 \ . \ E$

Maxima	E	O - C	Maxima	E	O - C
242 8691.412++	0	-0.013	243 8580.245	1875	+1.083
8754.277	12	-0.429	8584.246+	1876	-0.190
8776.294+	16	+0.494	8589.251	1877	-0.458
9129.292	83	+0.170	8605.208	1880	-0.322
9135.516	84	+1.120	8879.403	1932	-0.347
9319.531+	119	+0.564	.449	1932	-0.301
9382.542	131	+0.294	8885.406	1933	+0.383
9419.361	138	+0.199	8906.308++	1937	+0.191
9809.416	212	+0.018	.355++	1937	+0.238
243 0158.437	278	+0.990	8911.340+	1938	-0.050
1677.415	566	+1.212	8916.345	1939	-0.319
8199.312+	1801	-0.161	8932.304+	1942	-0.180
8225.350	1808	-0.491	8933.261	1942	+0.777
8494.492++	1859	-0.295	.308	1942	+0.824
8499.488	1860	-0.573	9259.357++	2004	-0.082
8500.485	1860	+0.424	9269.331	2006	-0.655
8521.384++	1864	+0.230	.376	2006	-0.610
.429++	1864	+0.275	9270.353+	2006	+0.367
8548.331	1869	+0.809	9291.255+	2010	+0.175

