

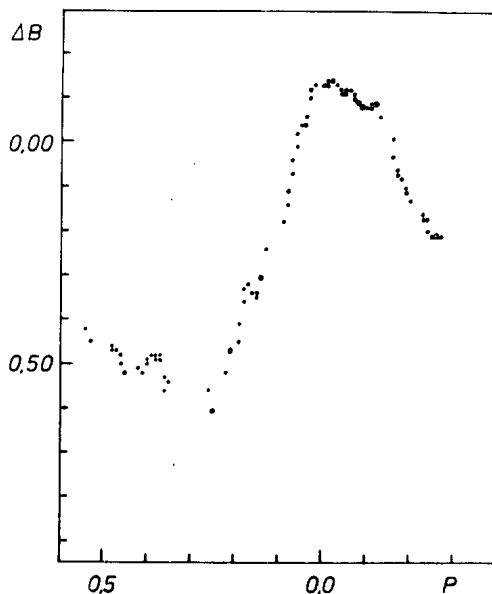
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A B LIGHT CURVE OF SZ Lyn

The RR_s star SZ Lyn was observed on 29/30 March 1977 with the 75 cm telescope of the Wilhelm Foerster Observatory, Berlin. A single channel photometer with an uncooled 1P21 multiplier and Schott filters BG12 + GG13 (=B) and a conventional amplifier were used. BD +44°1716 served as a comparison star. A total of 93 B observations were obtained. The time of maximum light was determined by Pogson's method:

$$E=42378 \quad t_{\max}(J.D._{\odot}) = 2443 \ 232^d.4309 \pm 0^d.0008$$
$$O-C_1 = +0^d.0090 \quad , \quad O-C_2 = +0^d.0100 \quad , \quad O-C_3 = +0^d.0086 \quad .$$



The value of $O-C_1$ is calculated with the linear ephemeris and $O-C_2$ with the sinusoidal ephemeris of Barnes and Moffett (1975). The value of $O-C_3$ is calculated with the sinusoidal ephemeris of van Genderen (1963). These O-C values are so large that they

can not be explained by observational error. Thus the ephemeris should be revised. In the light curve one finds unusual great scatter around $0^{\text{P}}.65$ and a hump of about $0^{\text{m}}.06$ at $0^{\text{P}}.12$.

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