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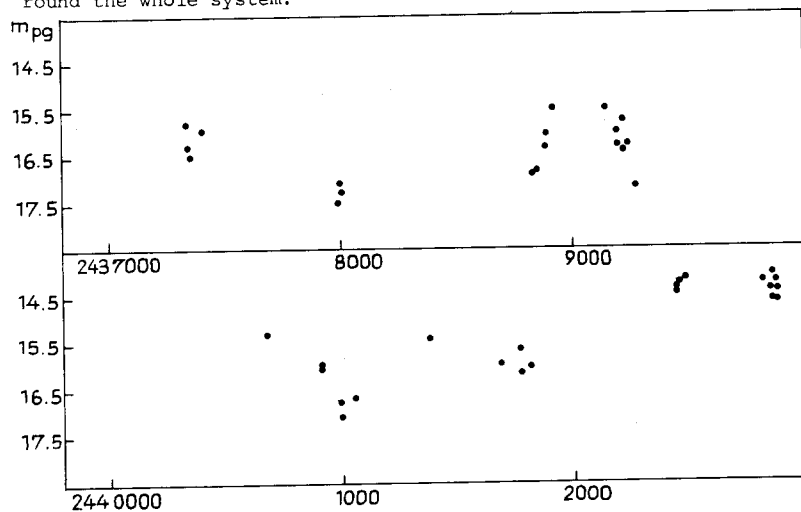
Konkoly Observatory
 Budapest
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THE LONG-TIME VARIABILITY OF AN UMA

According to Shugarov (Astr.Tsirk.888,7) AN UMA is an eclipsing binary with $P = 0^d 1595$. This result was confirmed by Mumford (IBVS 1133). Meinunger and Wenzel (VSS 7,405) found for this star a long-time variability which on all levels of brightness is superposed by fast variations.

In the meantime further plates of the field ϕ UMA were taken at Sonneberg. The figure shows the long-time variations of AN UMA on our plates.

Probably these variations are caused by a mechanism like that in the R CrB-stars, i.e., a system of clouds of variable opacity around the whole system.



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