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THE PROPER MOTION OF VX Sgr DERIVED FROM LIBRARY MATERIAL

An approximate value of the proper motion of this star has been derived by Soulié and Baudry (1983) ($\mu\alpha\cos\delta = -0''.008/\text{yr}$, $\mu\delta = +0''.003/\text{yr}$) using as a first-epoch position the one quoted in the GCVS which is not the best source for the astrometric position of any variable star. In order to get a more reliable first-epoch position, I have rereduced plate 1821 of the Hyderabad southern part of the Astrographic Catalogue (A.C.) (epoch 1921.75) where VX Sgr was identified with object 60855. The reference stars were taken from the SAOC which gives a mean error of $\pm 0''.36$ in α and $\pm 0''.33$ in δ .

The second epoch position has been taken from Soulié and Baudry's paper in which the epoch of observation is 1979.75 and a mean error of $\pm 0''.15$ in α and $\pm 0''.20$ in δ has been assumed (see Soulié and Baudry, 1983).

I have declined to use plate 2077 of the Hyderabad A.C. in which VX Sgr (object 68680) lies near the edge of the plate.

With the available material the following annual proper motion, in the system of the SAOC, is derived:

$$\mu\alpha\cos\delta = +0''.010 \pm 0''.007 \text{ (me)} \quad ; \quad \mu\delta = +0''.022 \pm 0''.007 \text{ (me)}$$

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Reference:

Soulié, G., Baudry, A.: 1983, *Astron. Astrophys. Suppl. Ser.*
52, 299.