

DYNAMICS OF THE ALPHA CEN SYSTEM.

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The triple star system $\alpha Cen AB$ and *Proxima Cen* - the component *C* - is the nearest to the Sun. The study of its dynamics has shown that this system is probable non-chance. The motion of the component *C* (Proxima) with respect to the centre of mass of the pair *AB* is hyperbolic with the probability $P = 1.0$. We observe, therefore, a slow passage of *C* close to the pair *AB*. We propose the hypothesis that this system is a part of the stellar moving group. We list the probable members of this group amongst the nearby stars. Amongst them we have the binaries *Gliese 140.1 and 676*, the triple system ADS 10288 (*Gliese 649.1*), and the six single stars. The probability to find by chance these stars inside the velocity space cube with the side of 20 km/s around αCen is equal to about 2%.