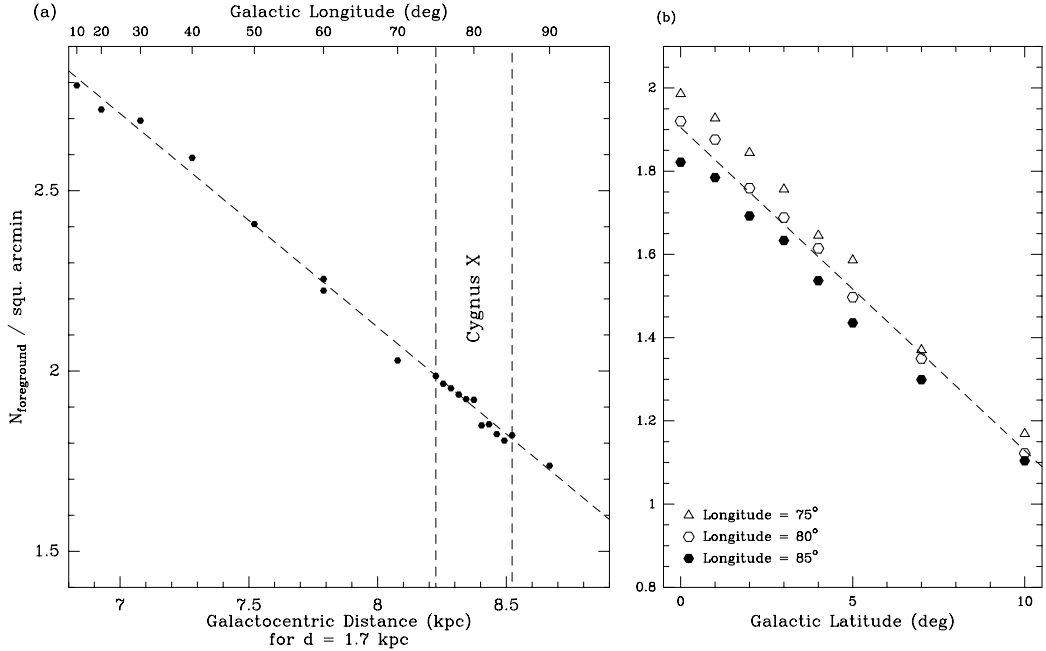

Fig. 10. Variation of n_{fg} measured from simulations using the Besançon model (see text) **a)** in the Galactic plane as a function of longitude; and **b)** in the Cygnus X region as a function of latitude. The variation with longitude is actually expressed as a function with r_{GC} (see text). These predicted foreground star densities have been derived for a distance from Sun of 1.7 kpc. The adopted linear interpolations are displayed as dashed lines.