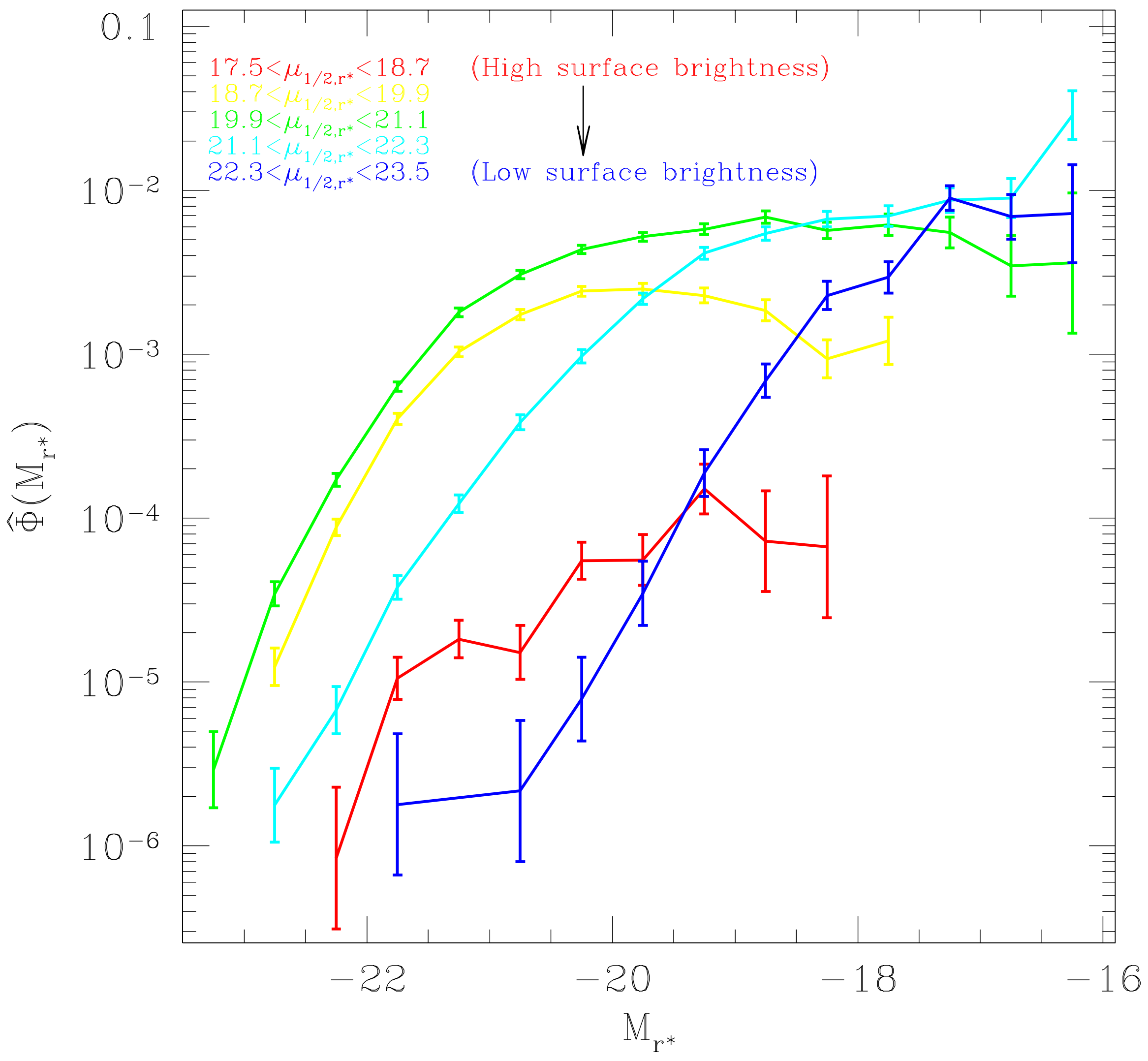

Fig. 11.— Luminosity function of SDSS galaxies in the r^* band, in bins of half-light surface brightness, in units of galaxies per h^{-3} Mpc^3 per unit magnitude. Each curve shows the luminosity function for a range of surface-brightnesses. As labeled, the curves are colored blue, cyan, green, yellow, and red from high to low surface brightness. The steep faint-end slope for low surface-brightness galaxies is apparent, as well as the fact that the high surface-brightness galaxies tend to be luminous.