

Appendix E from V. Le Bourlot et al., “Interference versus Exploitative Competition in the Regulation of Size-Structured Populations”
(Am. Nat., vol. 184, no. 5, p. 609)

Graphical Illustration of Competitive Superiority of Length l_β over Length l_α

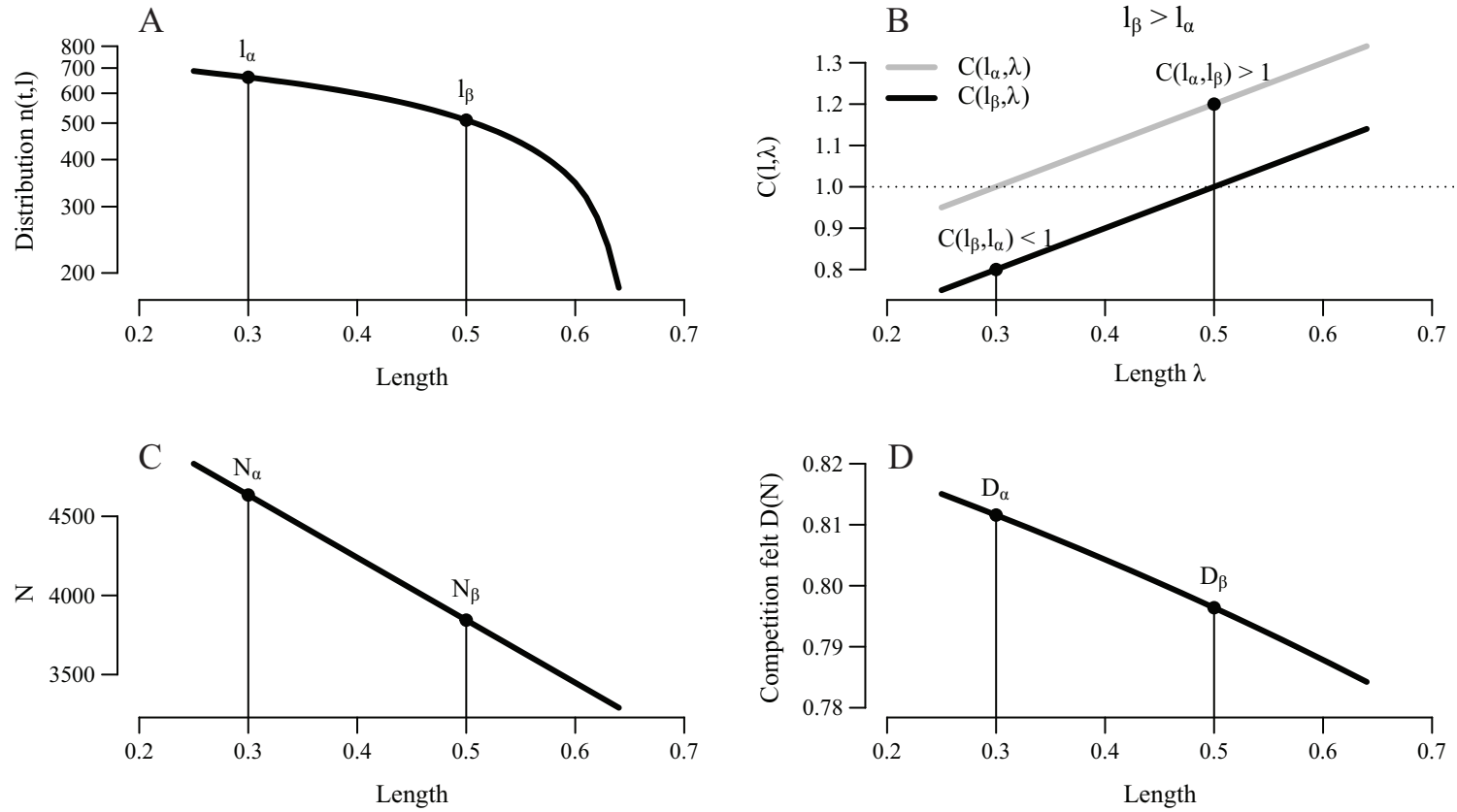


Figure E1: Graphical illustration of competitive superiority of l_β over l_α when $l_\alpha < l_\beta$. *A*, Distribution of the size, given the state of the population. *B*, Competition function of individuals α (gray) and β (black) over every length present in the population for an interference value of $I = 1$. This illustrates how much individual β is competitively superior to individual α . *C*, Measure of the environment $\eta(l)$ felt by an individual of length l , given the state of the population in *A*. This shows that individual α suffers a denser environment than individual β . *D*, Resource access for the state of the population given in *A*. Individual α suffers a stronger competition than individual β .