

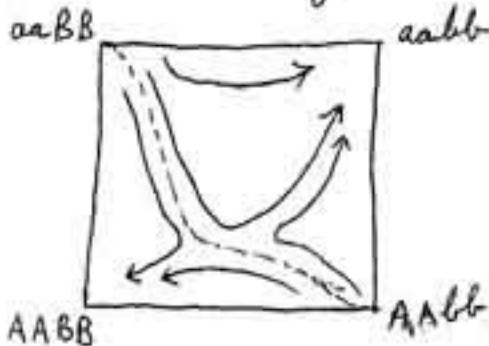
Nov 9, 1930

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Dear Fisher

I enclose a rough draft of a paper on selection as a function of mortality rate. The conclusions are rather odd, but I cannot get away from them. They remain true for small values of mortality even if the viability distribution ceases to be normal for large deviations, (as with human stature). If you see any gross error, will you let me know as soon as possible, for I want to get the paper in to the press by about Nov 15th.

I have also got a paper on the 2-gene case, showing that in the case of dominance when A B and $aabb$ are more viable than A bb or aaB there is no stable equilibrium. In this case if we plot the proportion of recessive genes we get trajectories like :-



representing the change in the composition of the population.
The general case of n genes and several (> 2) stable equilibria involves problems in n -dimensional analysis *situs* which are too much

for me. If heterozygotes have a pull as such we may get stable equilibria of another type, but these may not be stable in the long run, allowing for the appearance of modifiers, as you point out.

Yrs sinc

JBS Haldane