

Migration in an age structured population

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Fish populations are examples where in general migratory effects play an essential role. Most fishes are born in some place where adults meet during the reproduction season and mature in other places, the nurseries. In this paper, we introduce a linear time discrete model for age structured population with migration between two locations or patches. Birth is allowed in each patch in two specific areas. It only takes into consideration the time spent in a given area and models the transition rates between two areas as a function of age.

References

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