

## **On a model of evolution of population**

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A population lives in a domain  $\Omega \subset R^2$ . Assume the Malthusian grows of the population at each point  $x \in \Omega$ . Suppose, moreover, that individuals living at  $x$  can migrate to another place in  $\Omega$  and their migration ability depends on the point  $x$ . We study the evolution of the probability density that a randomly chosen individual lives at a moment  $t$  at  $x$ . This is a joint work with Włodzimierz Bąk.