Global Stability in Migration-Selection Models

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We first introduce migration-selection models. Then we discuss a conjecture proposed by T. Nagylaki and Y. Lou (JMB 2007): The global stability of a spatially homogeneous equilibrium under pure uniform selection remains if migration turns on. We survey the known results related to this conjecture and present some recent progress that J. Hofbauer and I have made (SIAP 2016).