Title: Limit theorems for normalized nearly critical branching processes with immigration

Author(s): Márton Ispány

Functional limit theorems are proved for a sequence of Galton–Watson processes with immigration, where the offspring mean tends to its critical value 1 under weak conditions for the variances of offspring and immigration processes. In the limit theorems the norming factors depend on these variances.

Address:
Márton Ispány
Faculty of Informatics
University of Debrecen
H-4010 Debrecen, P.O.Box 12
Hungary
E-mail: ispany@inf.unideb.hu