Ann. Inst. Statist. Math.
Vol. 41, No. 3, 565–581 (1989)

ON THE RATE OF CONVERGENCE OF SPATIAL BIRTH-AND-DEATH PROCESSES

JESPER MØLLER

Department of Theoretical Statistics, Institute of Mathematics, University of Aarhus, dk-8000 Aarhus c, Denmark

(Received November 17, 1987; revised October 12, 1988)

Abstract. Sufficient conditions for geometrical fast convergence of general spatial birth-and-death processes to equilibrium are established.

Key words and phrases: Geometrical convergence, simple birth-and-death processes, spatial birth-and-death processes, truncated birth-and-death processes.