

**Liggett, Thomas M.**

**Limiting behavior of a one-dimensional system with long range interactions.** (English)

[Zbl 0731.60094](#)

Mathematics of random media, Proc. AMS-SIAM Summer Semin., Conf., Blacksburg/VA (USA) 1989, Lect. Appl. Math. 27, 31-40 (1991).

[For the entire collection see [Zbl 0725.00015](#).]

The author reviews recent results on the limiting behaviour of the nearest particle system for large times, in particular survival vs. extinction, critical behaviour, invariant measures and rate of convergence.

Reviewer: [M.Mürmann \(Heidelberg\)](#)

**MSC:**

[60K35](#) Interacting random processes; statistical mechanics type models; percolation theory

**Keywords:**

[interacting particle systems](#); [ergodic behaviour](#); [critical behaviour](#); [rate of convergence](#)