

Akinsete, A. A. (1998): Transient behaviour of tandem queues with withdrawals. *Directions in Mathematics* 263-278. MR1754559.

Abstract:

We discuss the transient behaviour of two deflecting queues in tandem. The interarrival time into the first queue is exponentially distributed with mean λ^{-1} and service times in the first and second queues have memoryless distributions with rates μ_1 and μ_2 respectively. We show that the steady state solution of queue length is reached in the limit of the transient solution