[P26] Effect of interactions on priority-queue network dynamics

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Priority-queue models were introduced as models of human activity based on decision making process. To account for the individual's activity within social network, we study the effect of interactions on the waiting-time dynamics of priority-queue networks, with generalized priority-queue network models incorporating various interaction rules. It is numerically found that the waiting time distribution exhibits a power law for long waiting times with different exponents depending on interaction rules.