

Continuous Time Random Walk Limits with Finite Mean Waiting Times

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Time between jumps will scale to a shifted skewed Levy distribution for the same reasoning that the position of a particle after a number of jumps is approximated by a shifted Levy, or a shifted operator stable. We show how to extract the number of jumps by time t even if the jump and waiting time is coupled, give the governing PDE and show how this extends to incorporating waiting times into any evolution equation.