Probability of Identity, ψ(x)

One Long Jump

$$\psi \propto \frac{D_\alpha}{\rho \mu^2} x^{-1-\alpha}$$

$\overline{x}$

One Quick Jump

$$\psi \propto \frac{x^{-1+\alpha}}{D_\alpha \rho}$$

Superdiffusive Spreading

$$\psi = \frac{e^{-(x/\bar{x})^{\alpha-1}}}{2\,\alpha \sin(\pi/\alpha)\,\rho\mu\,\bar{x} + 1}$$

Diffusive Spreading

$$\psi = \frac{e^{-x/\bar{x}}}{4\,\rho\mu\,\bar{x} + 1}$$

δ

Initial Contact

$$\psi \sim \delta^{-1+\alpha}/(D_\alpha \rho)$$

1

2