\overline{X}

δ

1 Dimensional Probability of Identity, $\psi(x)$

One Long Jump

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

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

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

$$\psi \propto e^{-(x/\bar{x})^{\alpha-1}}$$

Diffusive Spreading

$$\psi \propto e^{-x/\bar{x}}$$

Tail Parameter, α