Probability of Identity, ψ(r)

One Long Jump

$$\psi = 2^{\alpha-1}\sin(\pi\alpha/2)\Gamma(1 + \alpha/2)^2 \frac{D_\alpha}{\pi^2 \rho\mu^2} r^{-2-\alpha}$$

$\bar{x}$

One Quick Jump

$$\psi = \frac{\Gamma(1 - \alpha/2)}{2^\alpha \Gamma(\alpha/2)} \frac{r^{-2+\alpha}}{\pi D_\alpha \rho}$$

Diffusive Spreading

$$\psi = \frac{\text{Log}(\bar{x}/r)}{4 D_2 \rho\pi + \text{Log}(\bar{x}/\delta)}$$

δ

Initial Contact

$$\psi = (1+[2^{2+\alpha/2}\pi/\Gamma(1 - \alpha/2)]D_\alpha\rho\delta^{2-\alpha})^{-1}$$

Initial Contact

$$\psi = \frac{\text{Log}(\bar{x}/\delta)}{4 D_2 \rho\pi + \text{Log}(\bar{x}/\delta)}$$

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