
Extreme diffusion to interpret fast calcium transient

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Résumé

Fast calcium transients cannot be explained by classical, anomalous or electro diffusion. We present here extreme diffusion to interpret calcium transients and compute asymptotically the mean first arrival time of the first particles among n to a narrow target. Feynman path integrals are used to derive optimal trajectories. This approach reveals a novel nano-domain molecular organization.

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