LIMITE DE FAIBLE BRUIT

$x_i = \frac{X_i}{V}$, $\Delta x_i = \frac{\Delta X_i}{V}$ (sauts dans les concentrations)

dt : temps d'observation

$dx = \frac{\theta}{V} \cdot N \rightarrow$ # reactions

$N \sim \mathcal{P}(\lambda\, dt) \sim \lambda\, dt + \mathcal{N}(0,1) \cdot \sqrt{\lambda\, dt} \approx$

$\approx \lambda\, dt + \sqrt{\lambda}\; dB_t$

$\lambda = \varphi(x) \cdot V$

$$\boxed{dx = \varphi(x)\,\theta\; dt + \frac{1}{\sqrt{V}}\,\theta\sqrt{\varphi(x)}\; dB_t}$$