$K(x,y) = \sum_{n=0}^{\infty} \frac{1}{n!} x^n e^{-x^n/2} \int_{n}^{\infty} y^n e^{-y^2/2}$ $= e^{-k^2+\delta^2/2} \cdot \sum_{n=1}^{\infty} \frac{1}{n!} (ta)^n = e^{-(x-a)^2/2}$ h=0 x3 Gamssim bernel. The natural generalization for x & R is $K(x,y) = exp(-z/|x-y|^2)$ By some "reverse aginering", we get that, ix we define, for all n and all n-typles (i,...,in) whith in, in 6{1,.., d}. $\left(\oint (x) \right)_{n, (i_1, \dots, i_n)} = \frac{1}{\ln} x_1 \dots x_n \cdot e^{-\frac{||x||^2}{2}}$ then $K(x,0) = \sum_{n=0}^{\infty} \sum_{i_1,\dots,i_n \in \{l_1,\dots,d\}} (P(x)) \qquad (P(y))_{i_1,\dots,i_n}$