高斯模糊

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$$M_{1} = M_{2} = 0 \qquad 6_{1} = 6_{2} = V \qquad \rho$$

$$f(X, Y) = \frac{1}{2\pi r^{2} \sqrt{1-\rho^{2}}} e^{t}$$

$$t = -\frac{1}{2(1-\rho^{2})} \left(\frac{x^{2}}{r^{2}} + \frac{y^{2}}{r^{2}} - \rho \cdot \frac{xy}{r^{2}} \right)$$

$$= -\frac{1}{2(1-\rho^{2})} \left(\frac{x^{2}+y^{2}}{r^{2}} - \rho \cdot \frac{xy}{r^{2}} \right)$$

$$A = 1 - \rho^{2}$$

$$B = \frac{1}{2\pi r^{2} \sqrt{A}}$$

$$C = -\frac{1}{2A}$$

$$t = C \cdot \frac{x^{2} + y^{2} - \rho x y}{r^{2}}$$

$$f = B \cdot e^{t}$$