

\mathbb{R} -space $\xrightarrow{\mathcal{F}}$ k -space

a) $\pi(x)\pi(y)$ $\quad \text{sinc}(k_x)\text{sinc}(k_y)$

b) $\pi(r_1) - \pi(r_2)$ $\quad \text{jinc}(\rho_{k_1}) - \text{jinc}(\rho_{k_2})$

c) $\pi(x_1)\pi(y_1) - \pi(x_2)\pi(y_2)$ $\quad \text{sinc}(k_{x_1})\text{sinc}(k_{y_1}) - \text{sinc}(k_{x_2})\text{sinc}(k_{y_2})$

d) $\delta(x-x_1, y) + \delta(x-x_2, y)$ $\quad e^{-i2\pi(k_x x_1)} + e^{-i2\pi(k_x x_2)}$

e) $\delta(x-x_1, y, z_1) + \delta(x-x_2, y, z_2)$ $\quad e^{-i2\pi(k_x x_1 + k_y y_1)} + e^{-i2\pi(k_x x_2 + k_y y_2)}$

f) $\cos(2\pi k_0 x) + \cos(2\pi k_0 y)$

$\frac{1}{2} [\delta(k_x - k_0, k_y - k_0) + \delta(k_x - k_0, k_y + k_0) + \delta(k_x + k_0, k_y - k_0) + \delta(k_x + k_0, k_y + k_0)]$