

$$F(u, v) = \int \int_{-\infty}^{\infty} f(x, y) e^{-j2\pi(ux+vy)} dx dy \quad (1)$$

$$f(x, y) = \int \int_{-\infty}^{\infty} F(u, v) e^{j2\pi(ux+vy)} du dv \quad (2)$$