$\gamma = 1$ make the window round.

$\sigma = 4 \cdot 2^{i/2}; i = 1,2,\cdots,12$

Window size=2σ in x and y

$\phi = 0$ No Phase difference

$$\theta = i\frac{\pi}{18}; \quad i = 0,\ldots,17$$

for each σ, θ we have two kernels:

$$\sin\left(\frac{2\pi x}{2\sigma}\right), \quad \cos\left(\frac{2\pi x}{\sigma}\right)$$