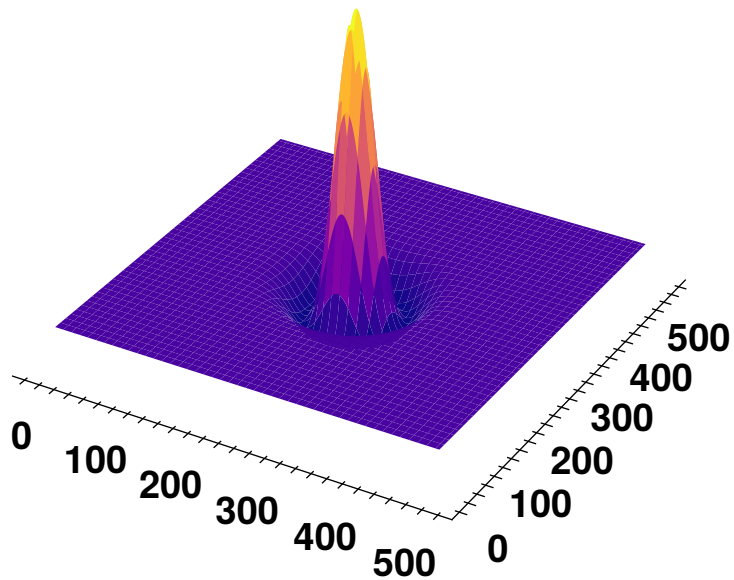


**(a)**

$$\sigma_m = 30$$



**(b)**

$$\sigma_m = 80$$

