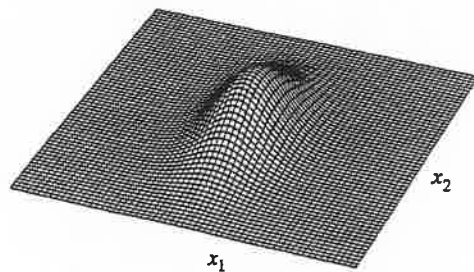


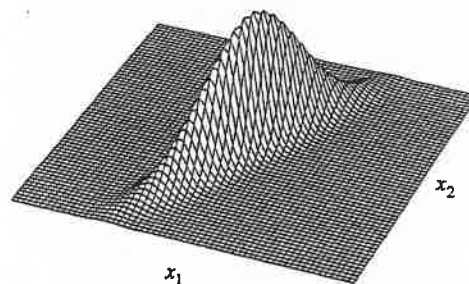
Scatter plots of bivariate normal samples

$$\mu_1 = 0, \mu_2 = 0$$

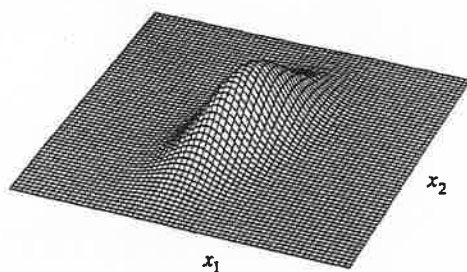
$$\sigma_1 = 1, \sigma_2 = 2$$



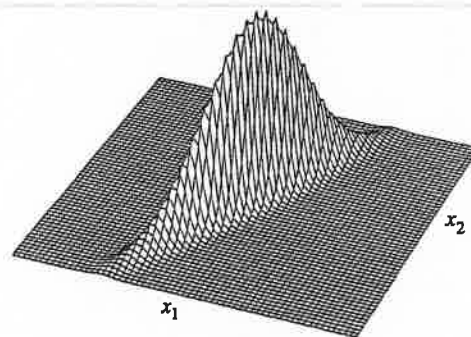
$\rho = 0$



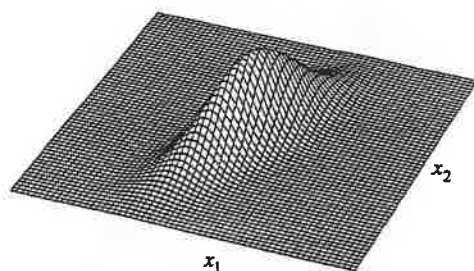
$\rho = 0.9$



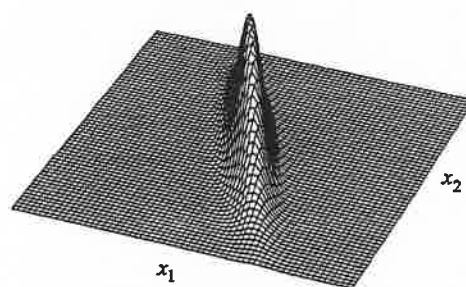
$\rho = 0.5$



$\rho = 0.95$



$\rho = 0.7$



$\rho = -0.9$

Bivariate normal distributions

$$\begin{aligned} \mu_1 &= 0, \mu_2 = 0 \\ \sigma_1 &= 1, \sigma_2 = 2 \end{aligned}$$