

Figure 1: Distributions of  $q$  given values of  $\mu = 0$  and  $\mu = 1$  using values of  $\sigma_0$  and  $\sigma_1$  based on the values of  $s = 5$  and  $b = 10$ .

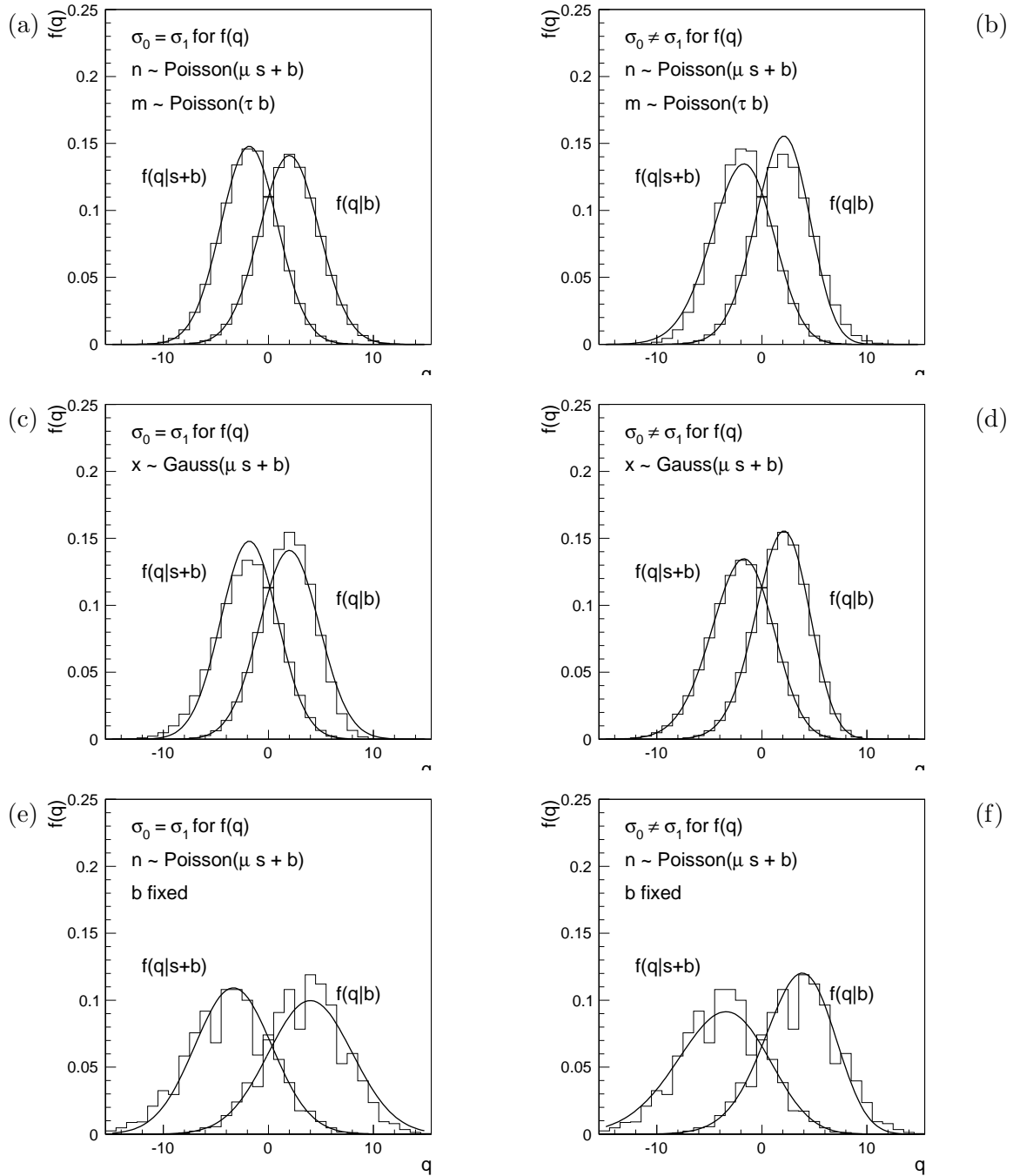


Figure 2: Distributions of  $q$  given values of  $\mu = 0$  and  $\mu = 1$  using values of  $\sigma_0$  and  $\sigma_1$  based on the values of  $s = 20$  and  $b = 100$ .

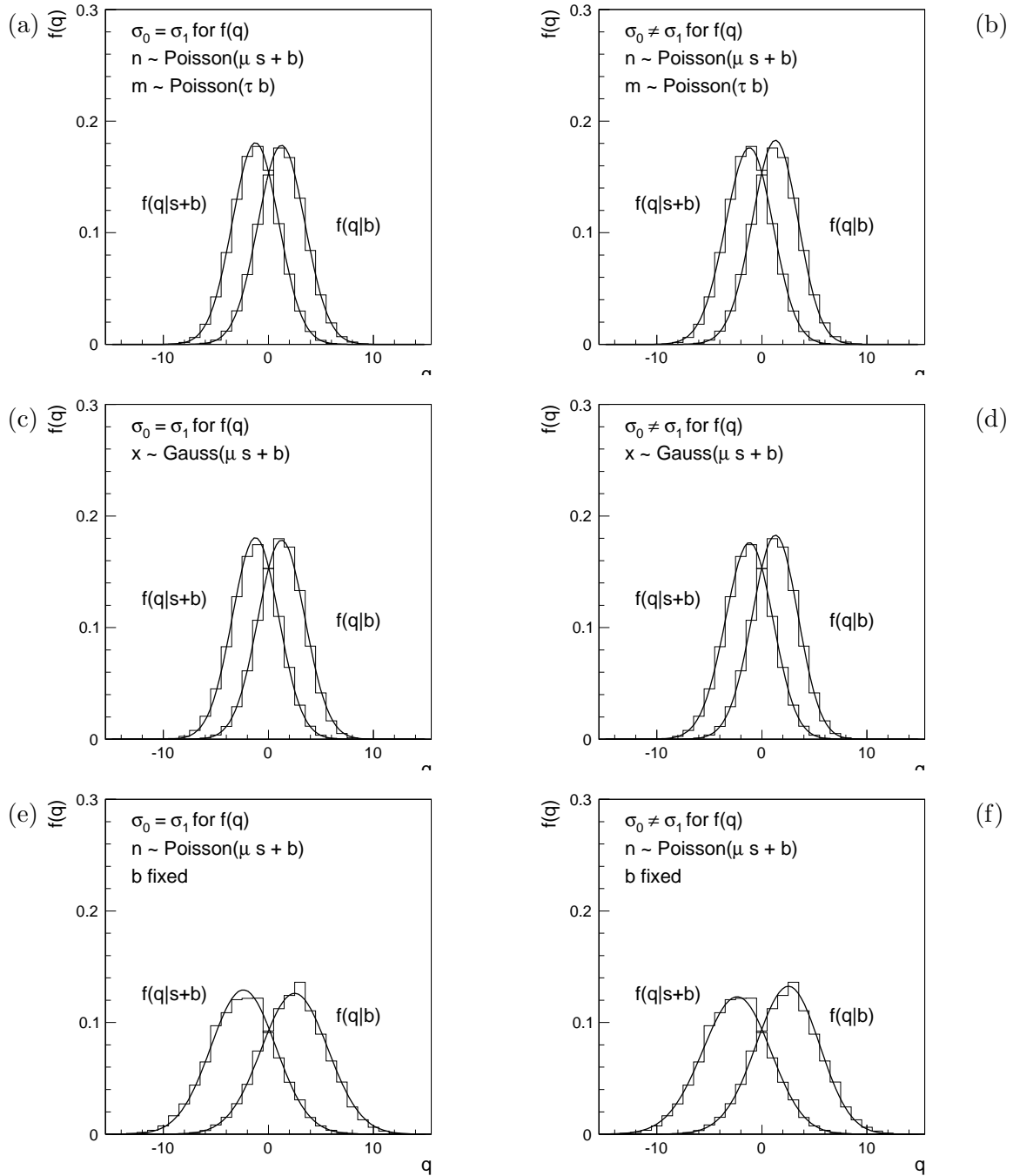


Figure 3: Distributions of  $q$  given values of  $\mu = 0$  and  $\mu = 1$  using values of  $\sigma_0$  and  $\sigma_1$  based on the values of  $s = 50$  and  $b = 1000$ .