

Figure 1

Lorenz Attractor “phase space diagram”

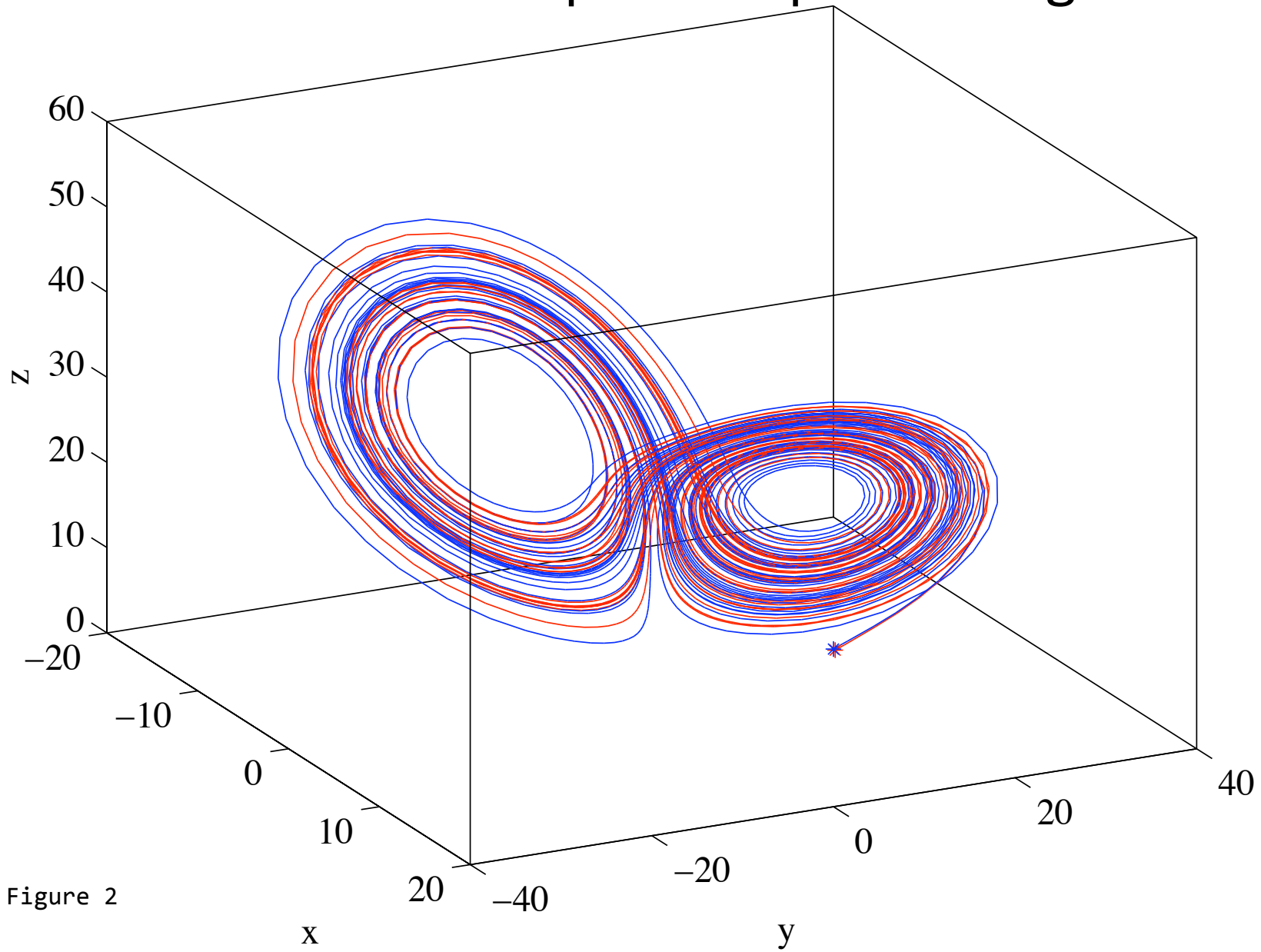
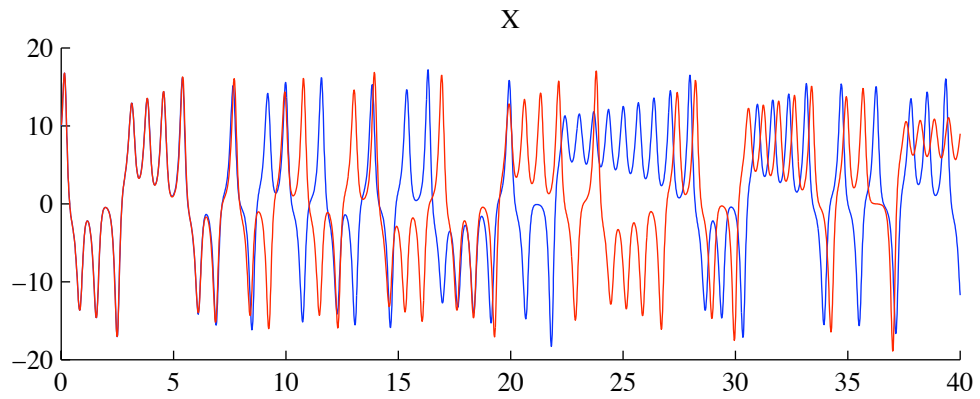


Figure 2



assume we cannot observe Y

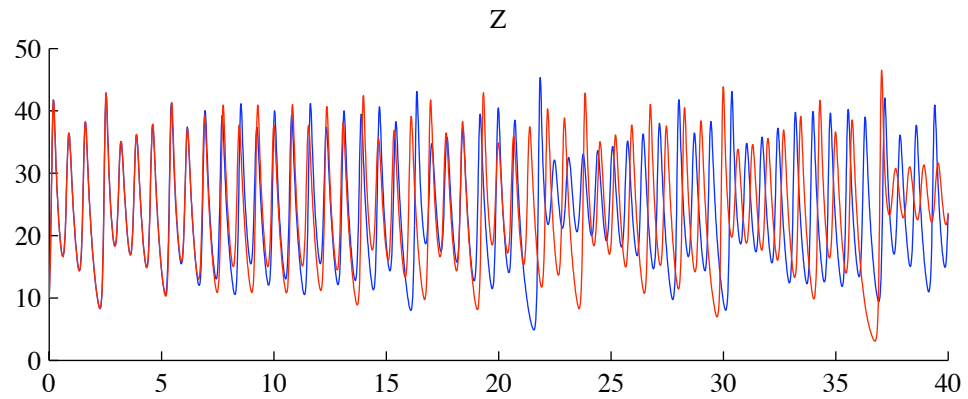


Figure 3

A 2D view of the phase space

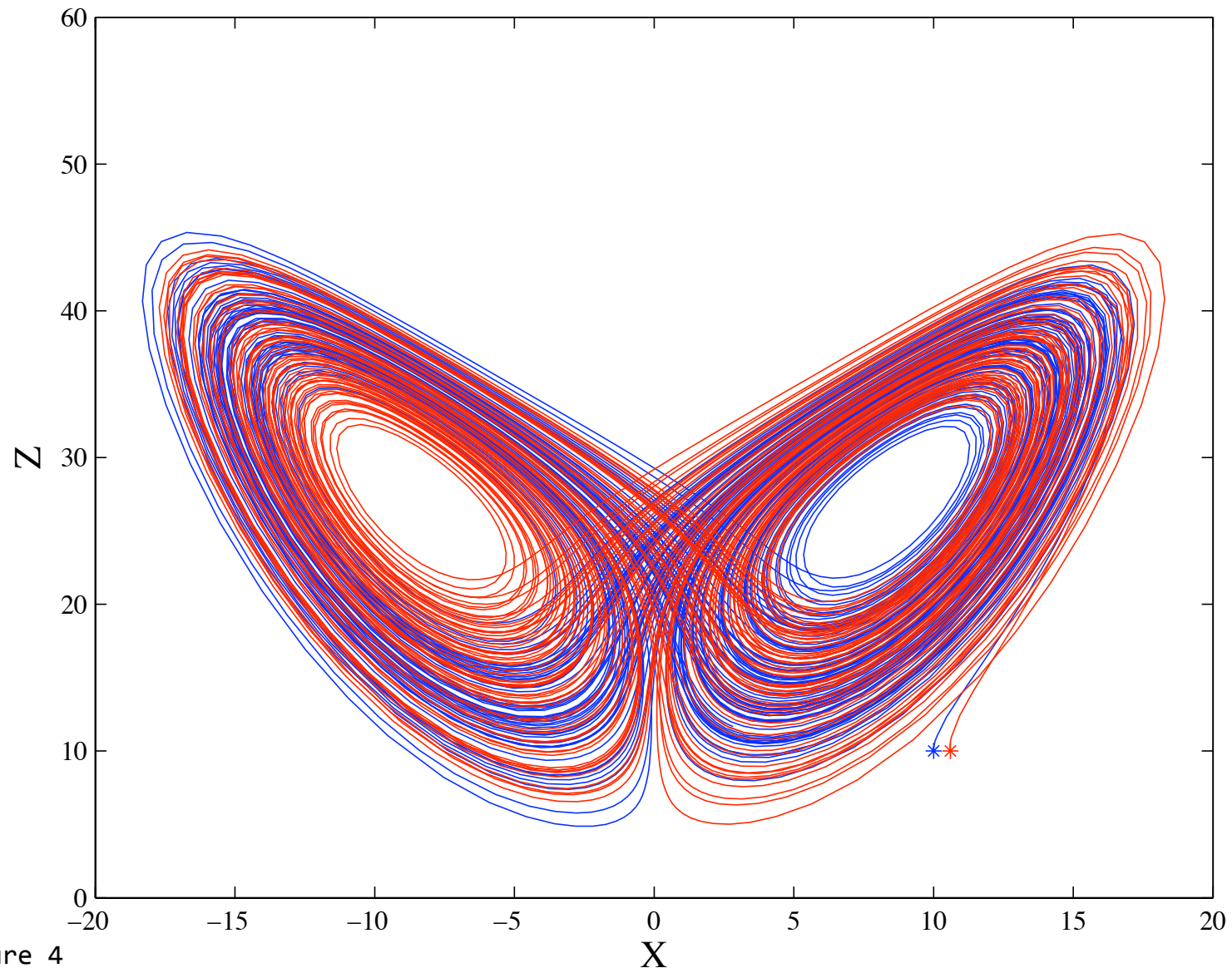
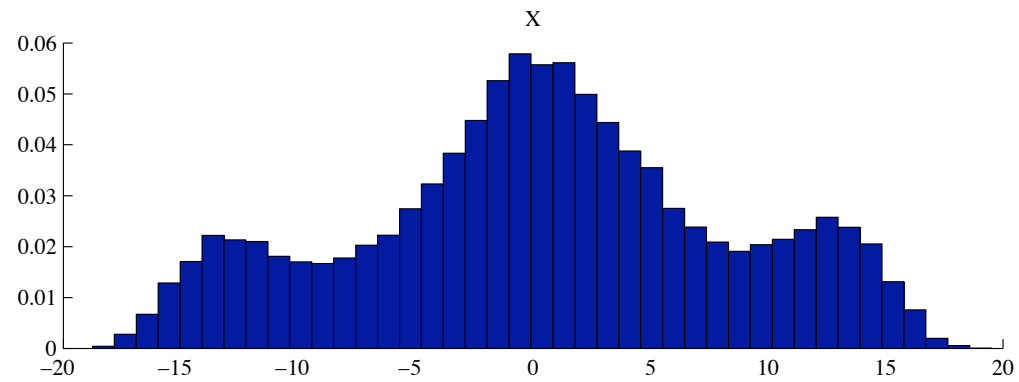


Figure 4

Probability Distribution Function



Area below histograms=1

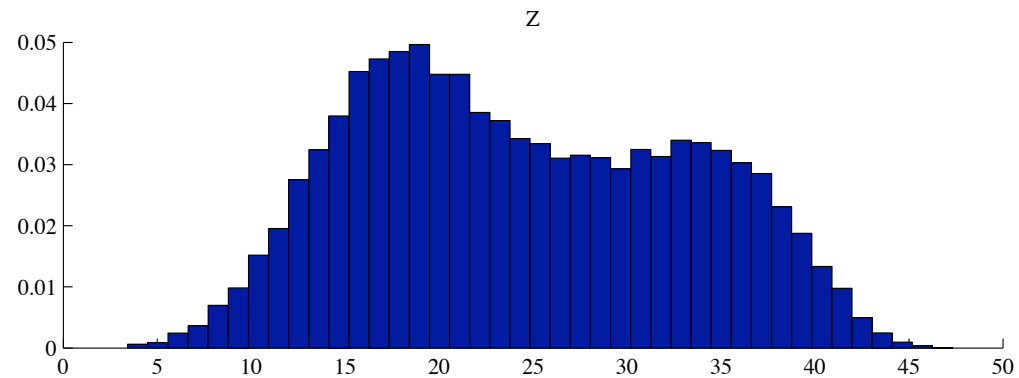
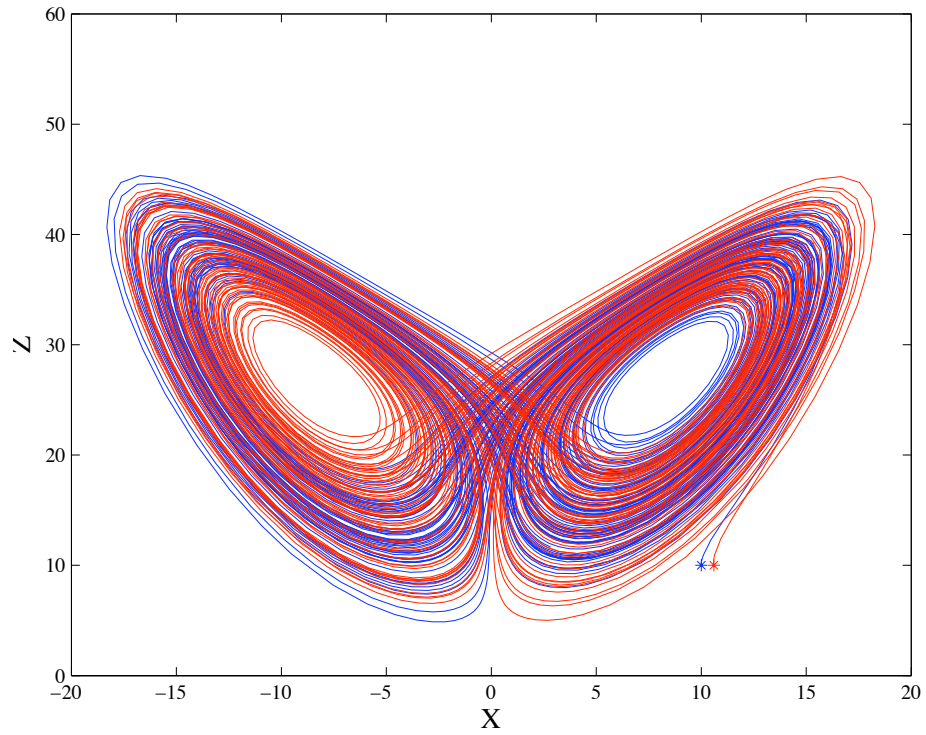


Figure 5

A 2D view of X Z



Joint PDF of X Z

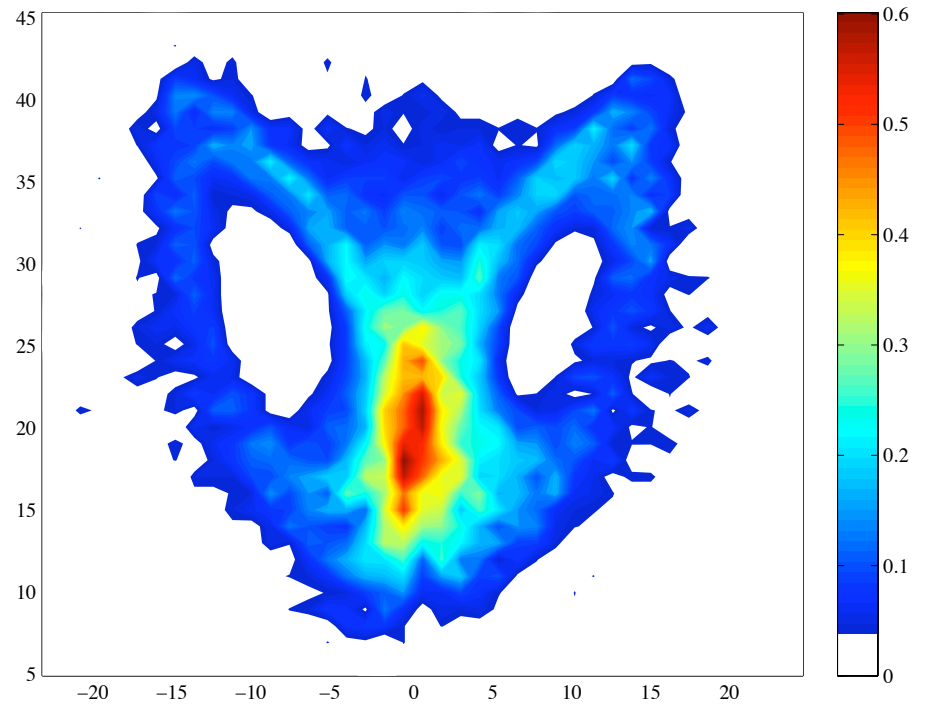
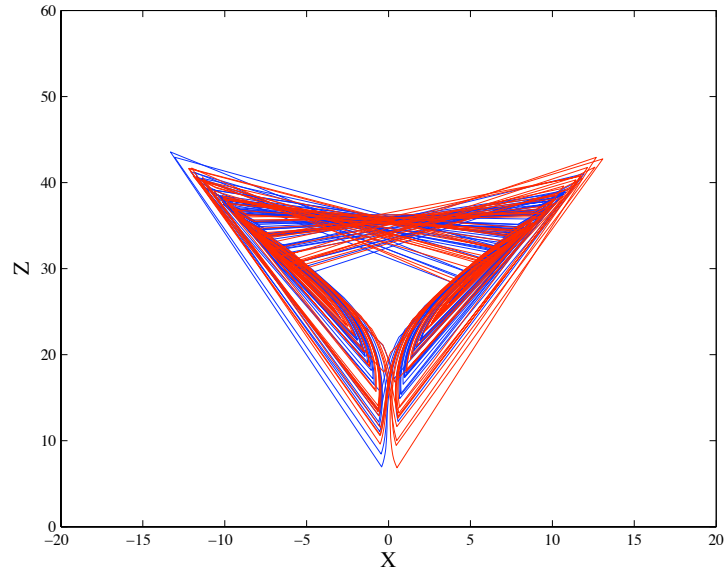


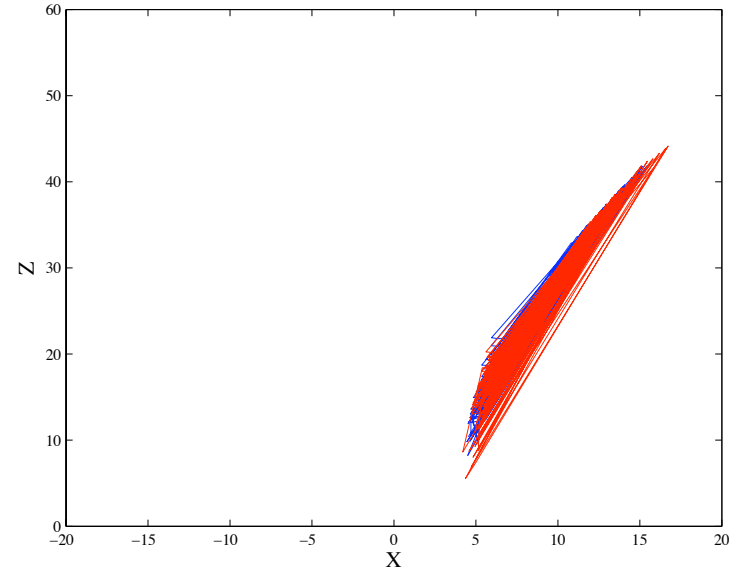
Figure 6

Figure 7 A 2D view of X Z given a value of Y

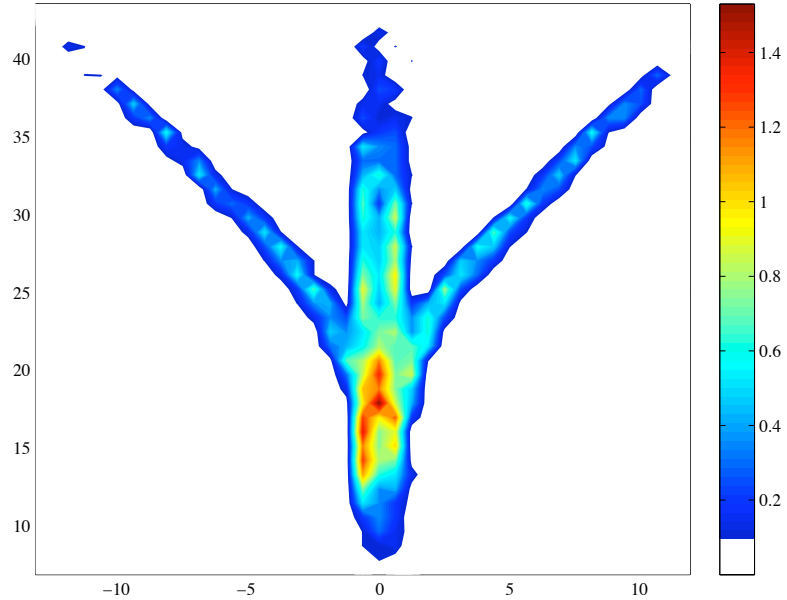
$-1 < Y < 1$



$8 < Y < 10$



Joint PDF XZ conditional on Y



Joint PDF XZ conditional on Y

