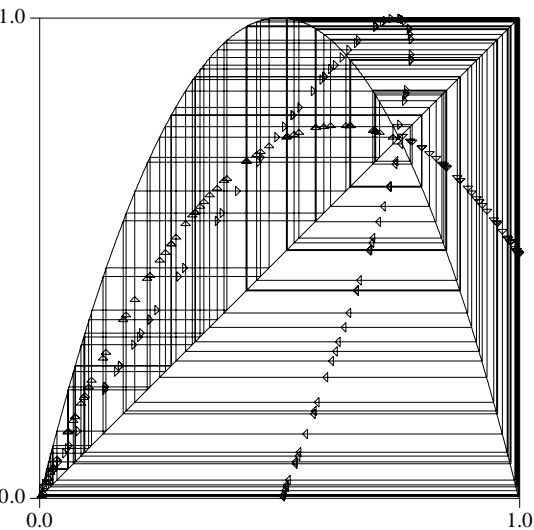
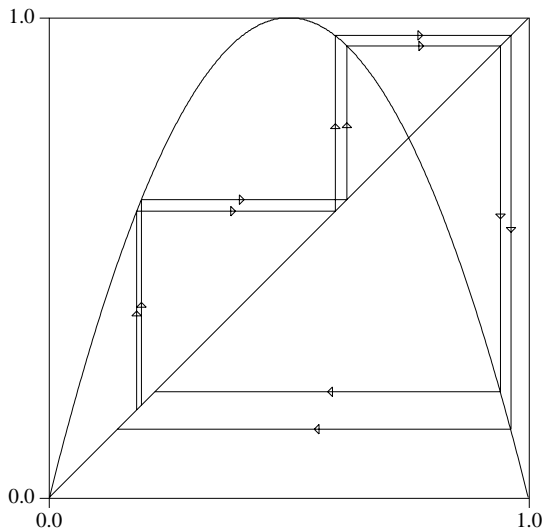


(a)



(b)



(c)

**Figure 10.6** Logistic map with  $r = 1$ : (a) The time series is chaotic and has the appearance of noise. (b) The state space of the same system, which illustrates how the system's trajectory visits every local region. (c) The state space of the same system with only four steps plotted, so as to show how small differences turn into larger differences.