



Clase 20: Actividad después de clase

1) Considere el mapa logístico: $x_{n+1} = f(x_n) = rx_n(1-x_n)$ $x_n \in [0,1]$

Grafique la trayectoria x_n vs. n para $r = 3.829$. Es caótico?

2) Considere el mapa: $x_{n+1} = f(x_n) = \sin^2[r \arcsin(\sqrt{x})]$ $x_n \in [0,1]$

Grafique la trayectoria x_n vs. n para $r = 3$. Es caótico?

“I shall probably never know to what extent my paper was responsible for setting off the outburst of activity that followed, and to what extent I was simply lucky that it became known when a scientific revolution was due to occur in any case”.

Edward Lorenz (1917-2008)

