

```
1 %Experiment, Chapter 6
2 % Modified for the logistic equation.
3
4 A=zeros(1000,200);
5
6 %c will contain the bifurcation parameter, 1000 values from zero to 4
7 % x will be an array of constants, all starting with 1/2
8 c=linspace(0,4,1000)';
9 x=1/2*ones(1000,1);
10
11 for j=1:500
12     x=c.*(x.*(1-x)); %Remember, this is an assignment, not equality
13 end
14
15 %Now record and plot
16 for j=1:200
17     A(:,j)=c.*x.*(1-x);
18     x=A(:,j);
19 end
20 plot(A, '.');
21
```