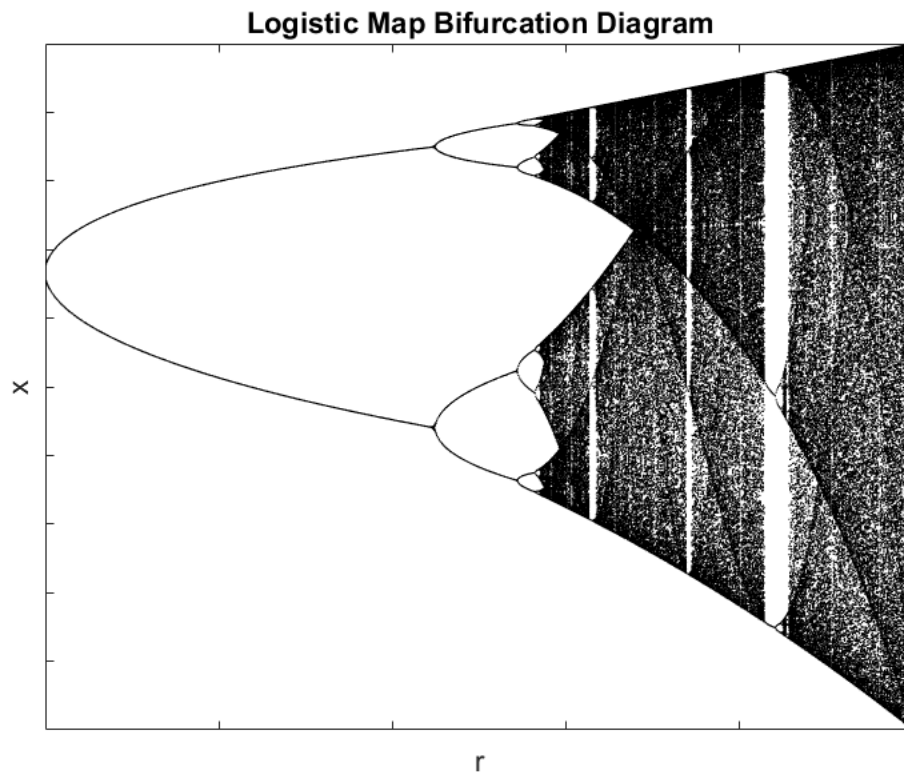

```
%Logistic Map
%F. I. Giasemis

r=3;
for j=1:1000;
    r=r+.001;
    x=.5;
    for i=1:300;
        x=r*x*(1-x);
    end
    for i=1:400;
        X(j,i)=x;
        x=r*x*(1-x);
    end
end
plot(X, '.k', 'MarkerSize', 2)
set(gca, 'YTickLabel', []);
set(gca, 'XTickLabel', []);
xlabel('r')
ylabel('x')
title('Logistic Map Bifurcation Diagram')
```



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