

```

function Sequence = LogisticRandomSequence(Length,Mu,X0)
%Generates random sequences of floats between 0 and 1 using logistic
  map
%with seed  $3.9 < \mu < 4.0$  and  $0 < X_0 < 1$ 

Sequence = zeros(1,Length);
Sequence(1) = X0;
for i=1:Length-1
    Sequence(i+1) = Mu*Sequence(i)*(1-Sequence(i));
end

end

```