

```

function xmap=cplgstn(x,iter)
% This is an nd-map generalization of the 2d-logistic map . . .
% USC/ Spring 1997
d=2.01;r=1.8;

n=length(x);
y=(x-x.^2);

% y=[x(1)*(1-x(1)) x(2)*(1-x(2)) x(3)*(1-x(3))...
%   x(4)*(1-x(4)) x(5)*(1-x(5)) x(6)*(1-x(6))...
%   x(7)*(1-x(7)) x(8)*(1-x(8)) x(9)*(1-x(9))...
%   x(10)*(1-x(10))];

A=d*r*diag(ones(n,1))+(-1+d/2)*r*diag(ones(n-1,1),1)+...
  (-1+d/2)*r*diag(ones(n-1,1),-1);
xmap=A*y;

```