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```

% graphs produced (should be labelled)
% i eigenvalues of the system
% ii iterative state vector for rand initial conditions:
% iii residual error
% iv relaxation exploration for all algorithms:
clear;
close all

% Jacobi method to plot:
%hw8(10)
hw8(100)
%hw8(1000)

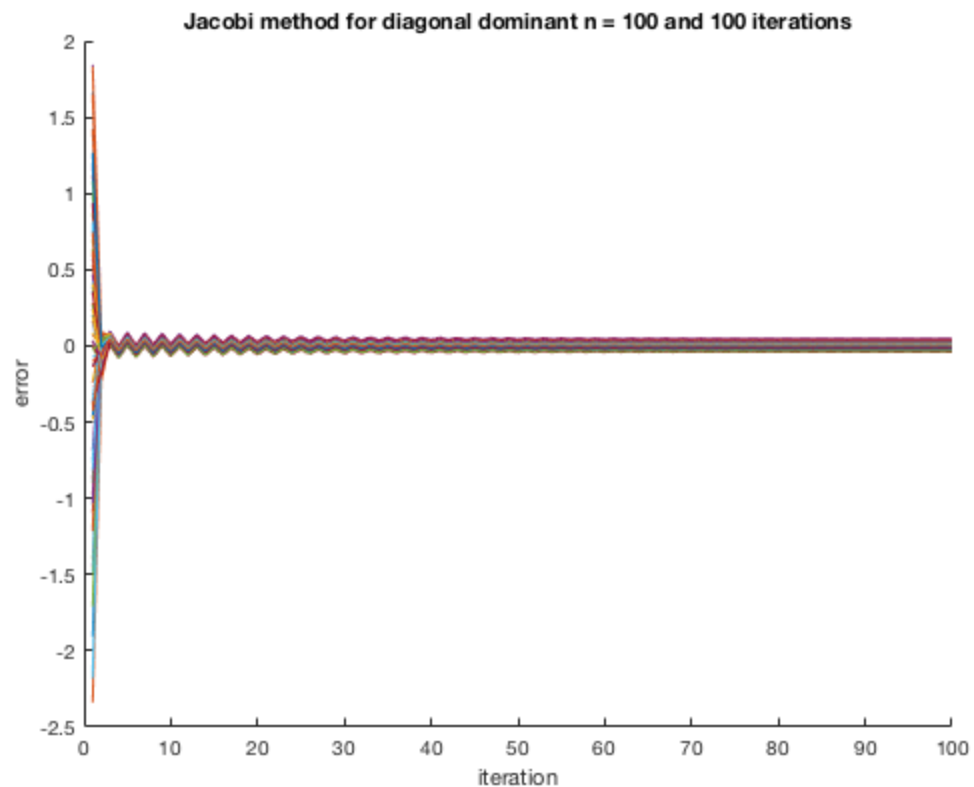
% gauss seidel method to plot:
%hw8_gaussSeidel(10)
%hw8_gaussSeidel(100)
%hw8_gaussSeidel(1000)

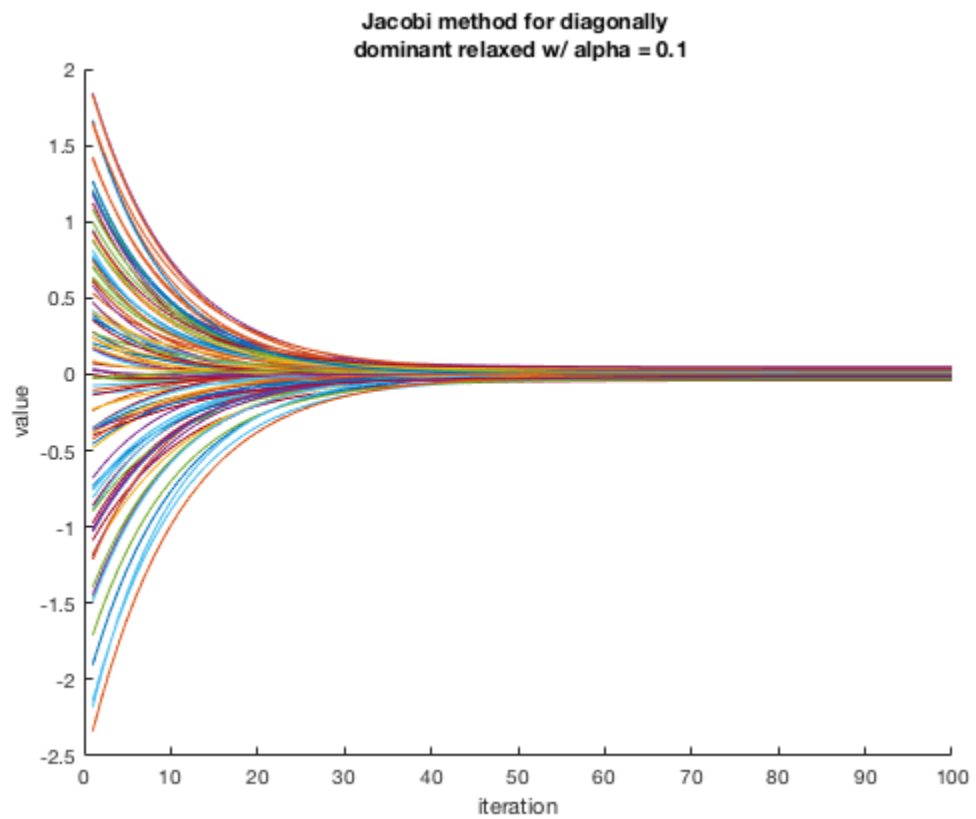
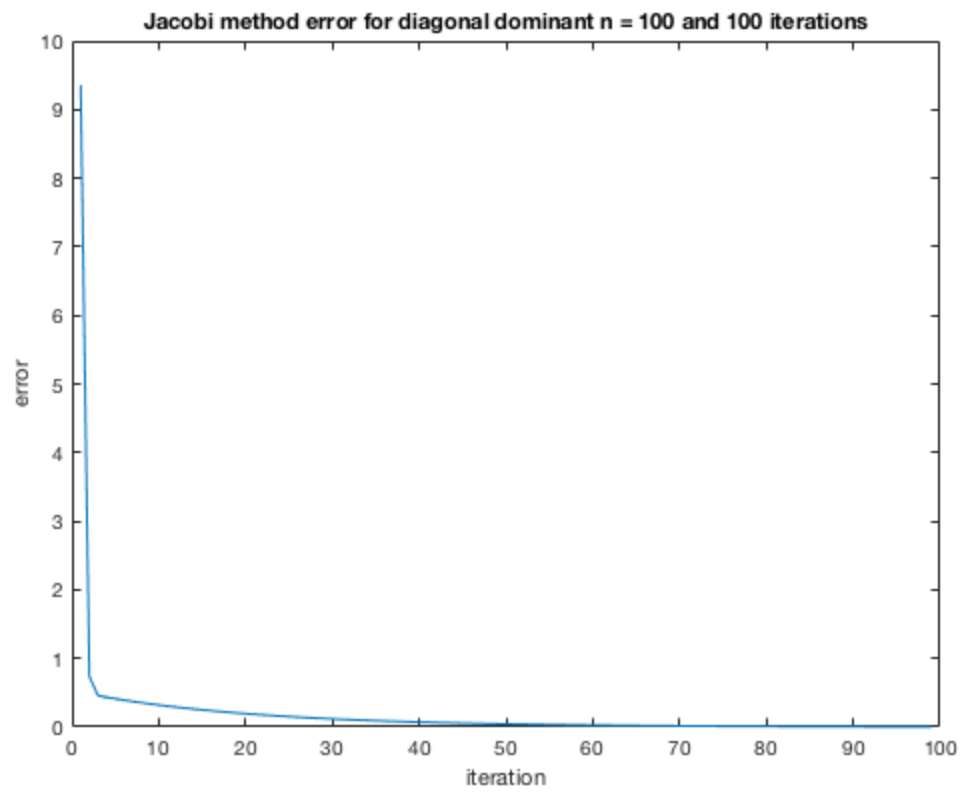
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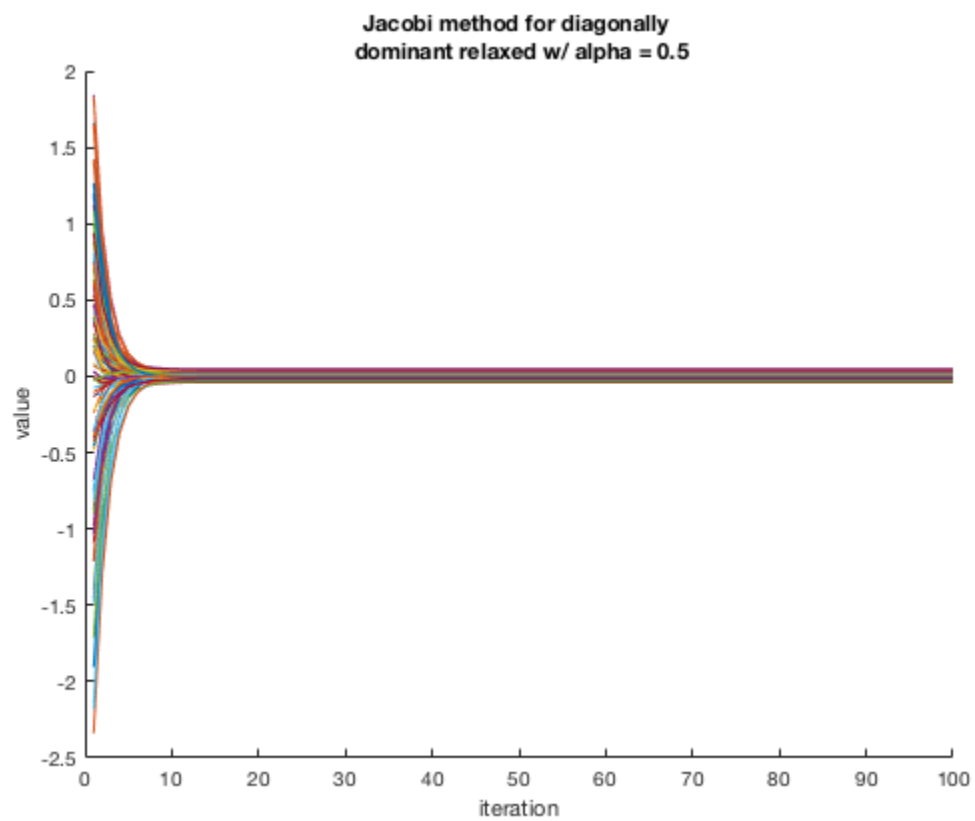
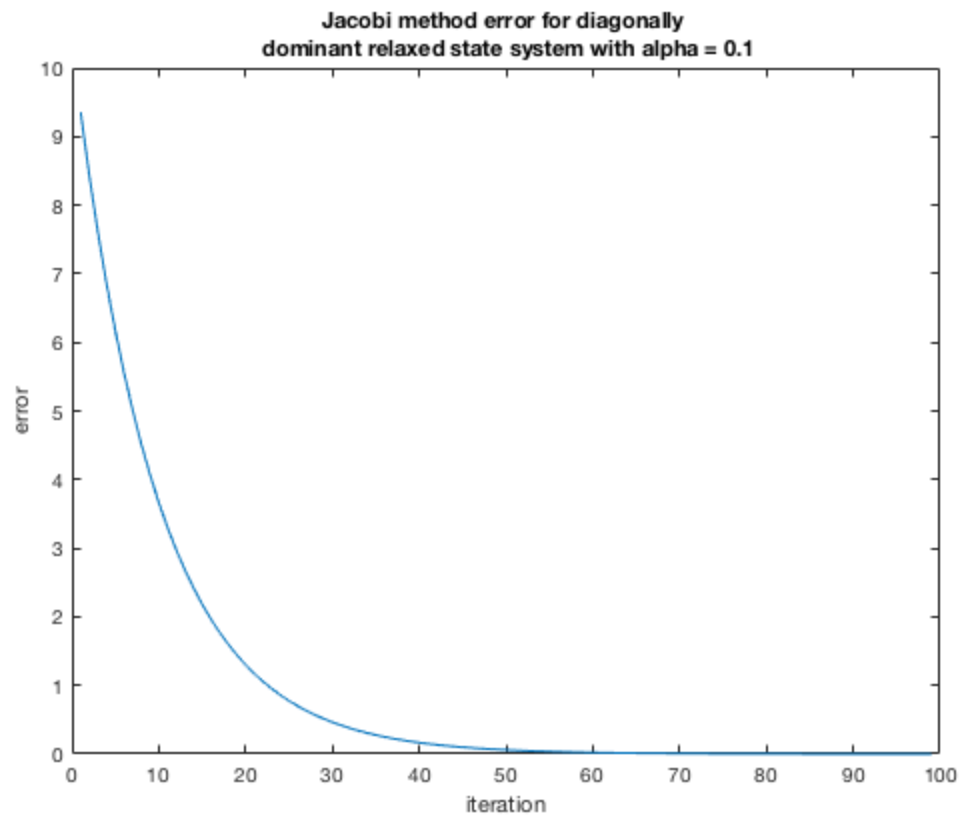
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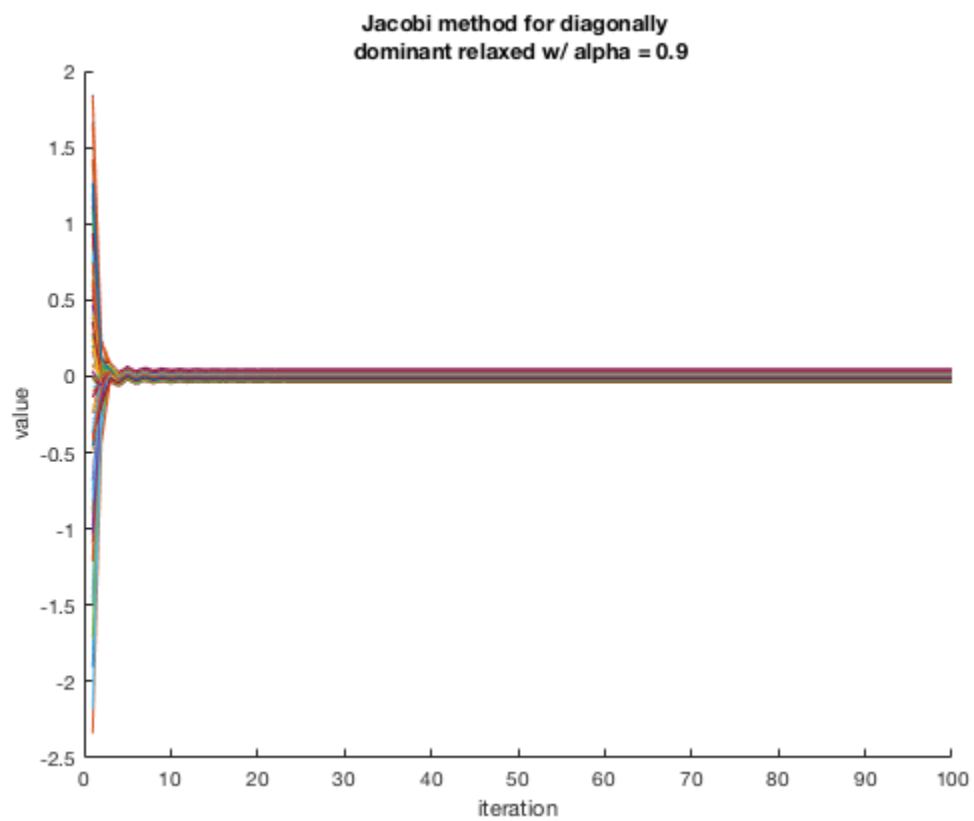
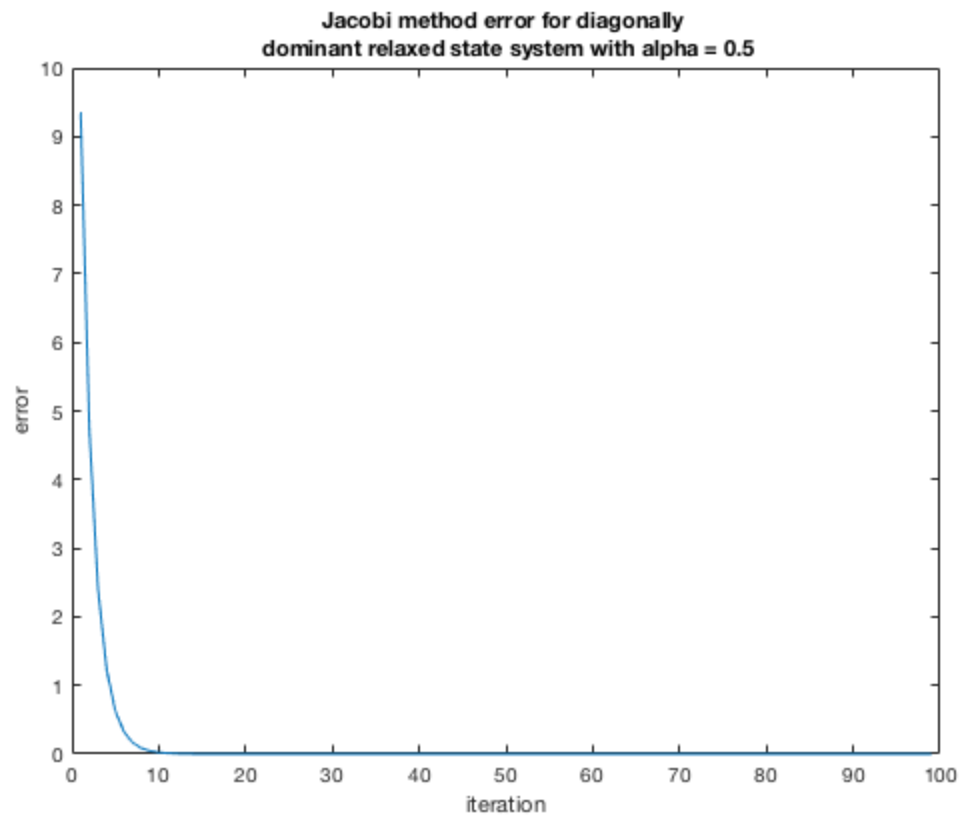
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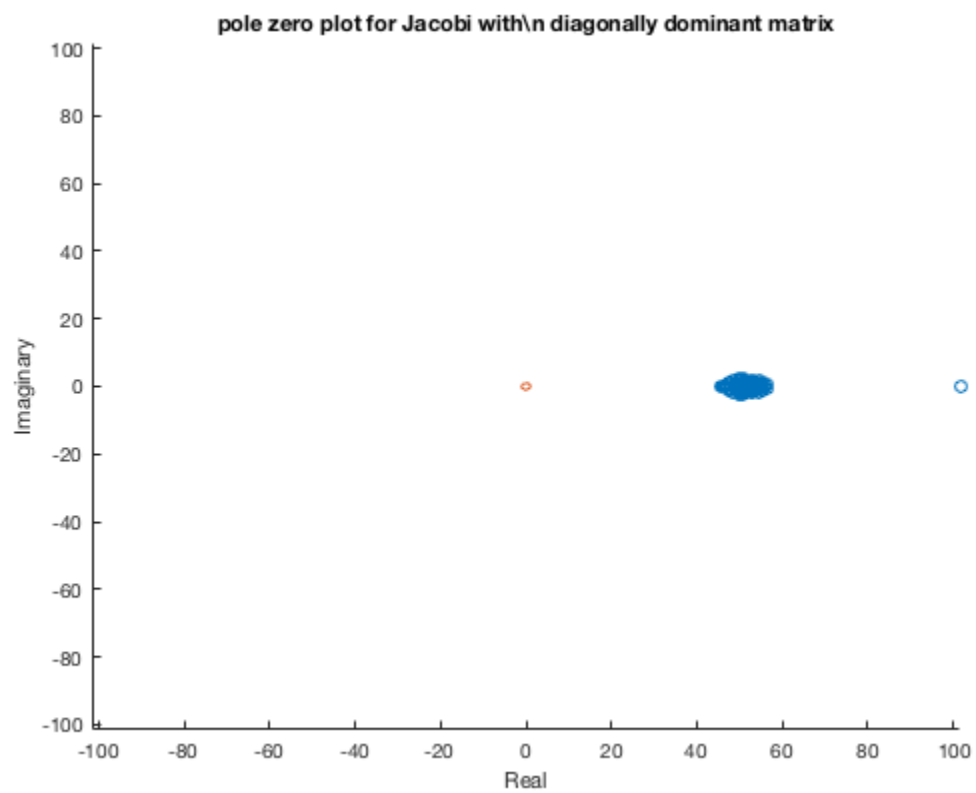
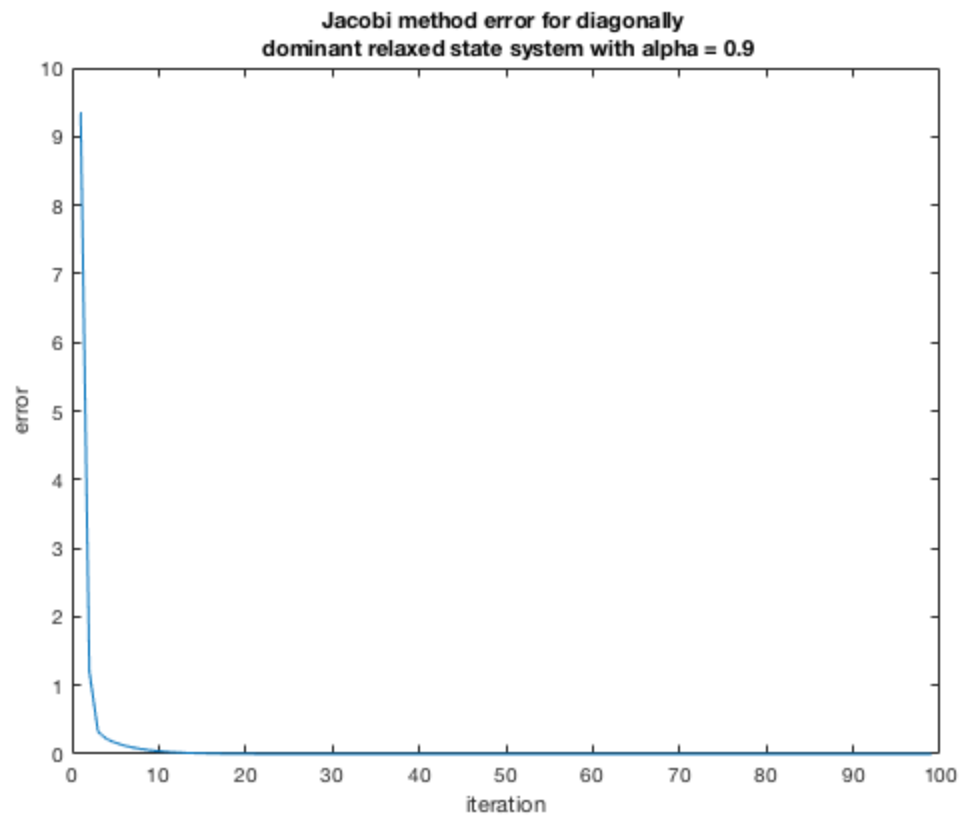
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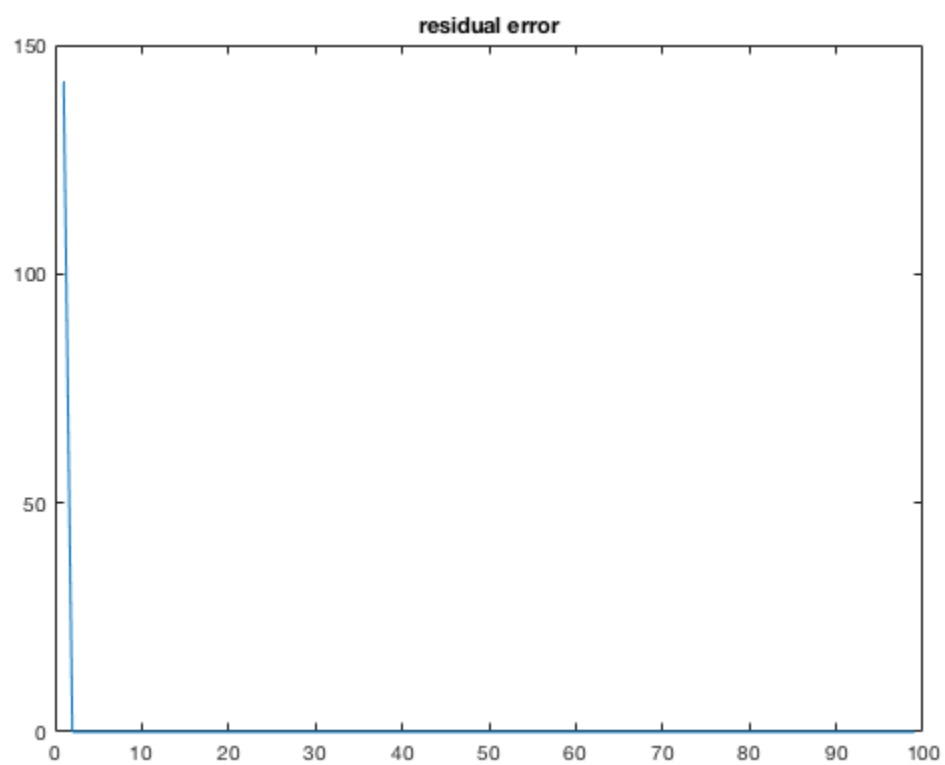
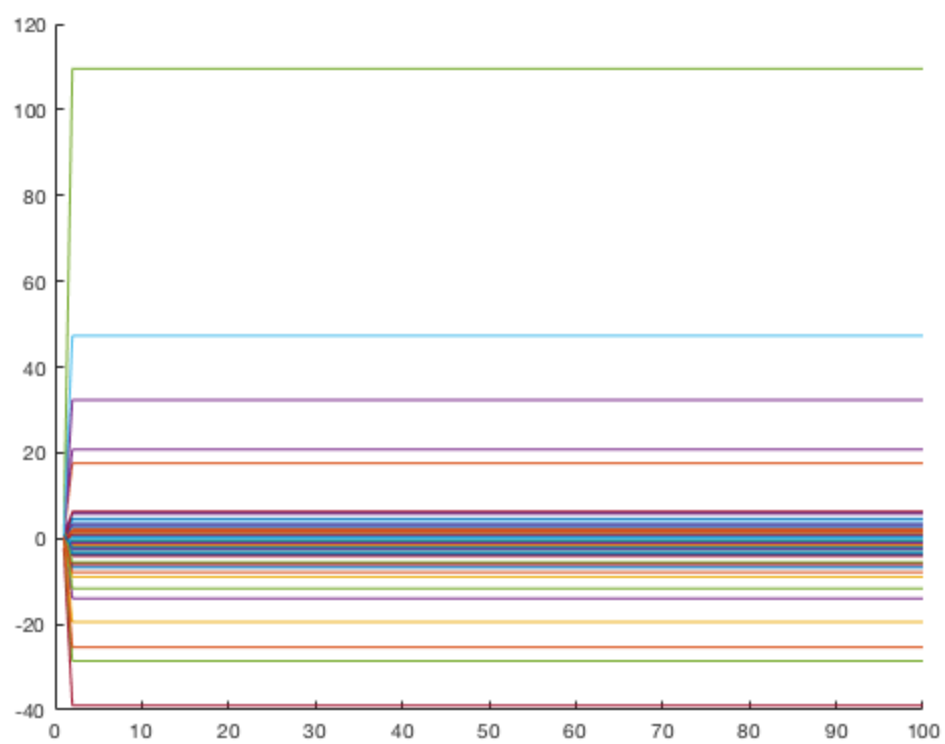


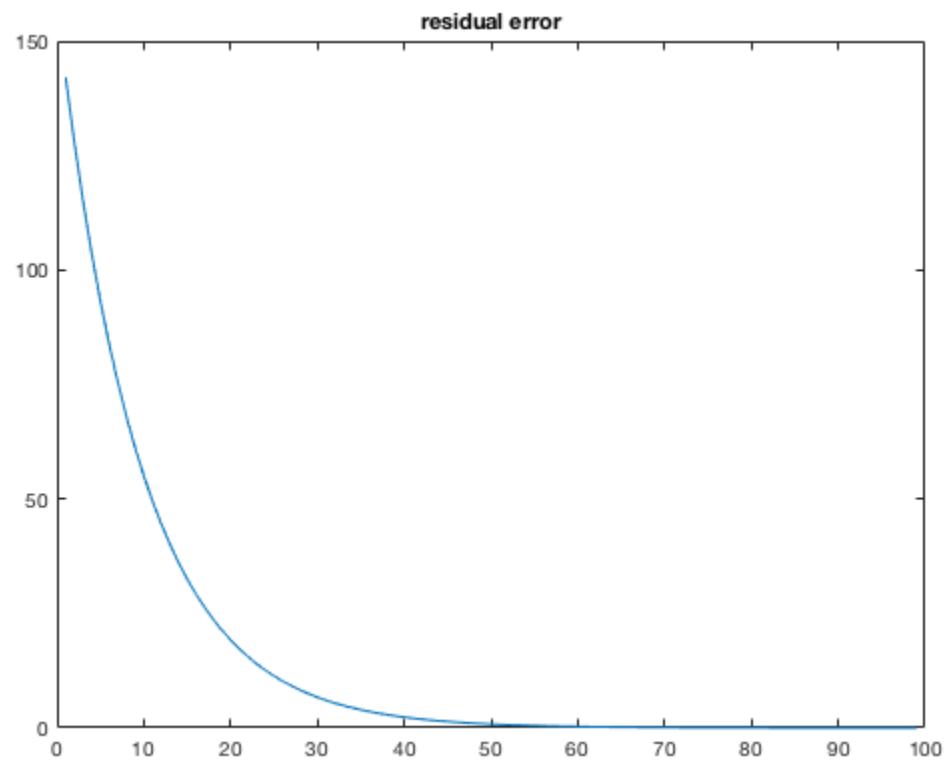
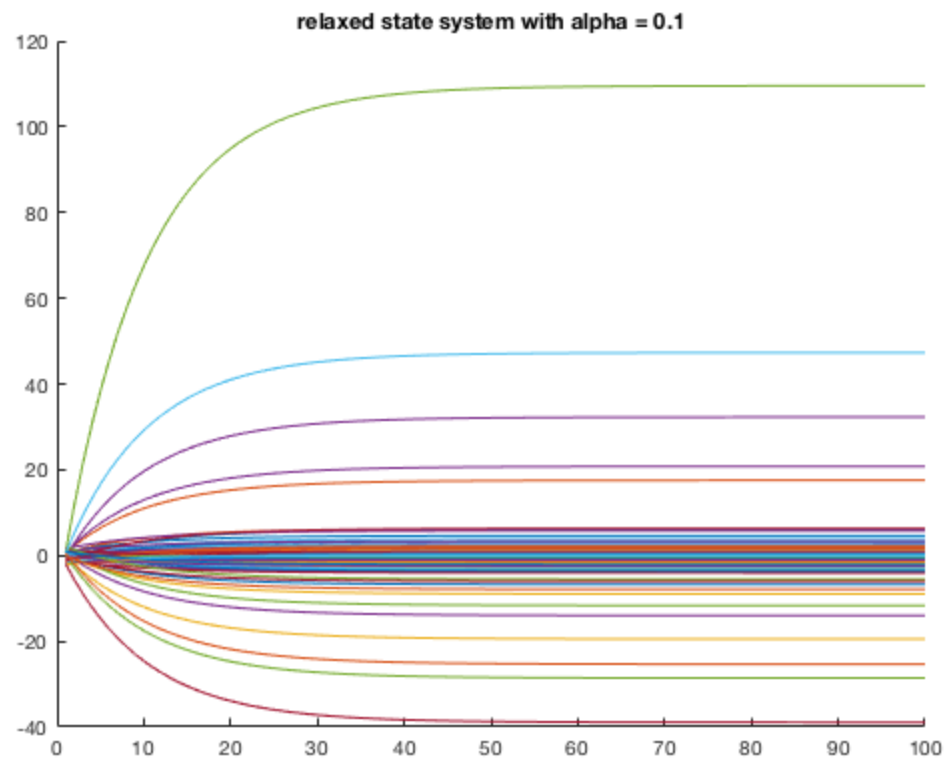


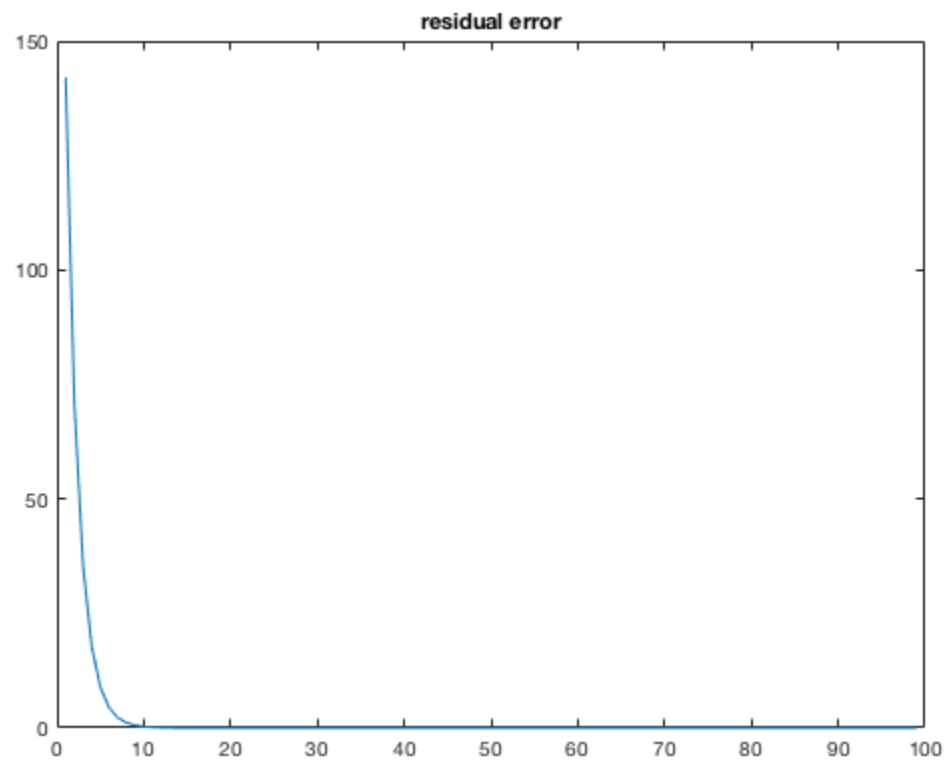
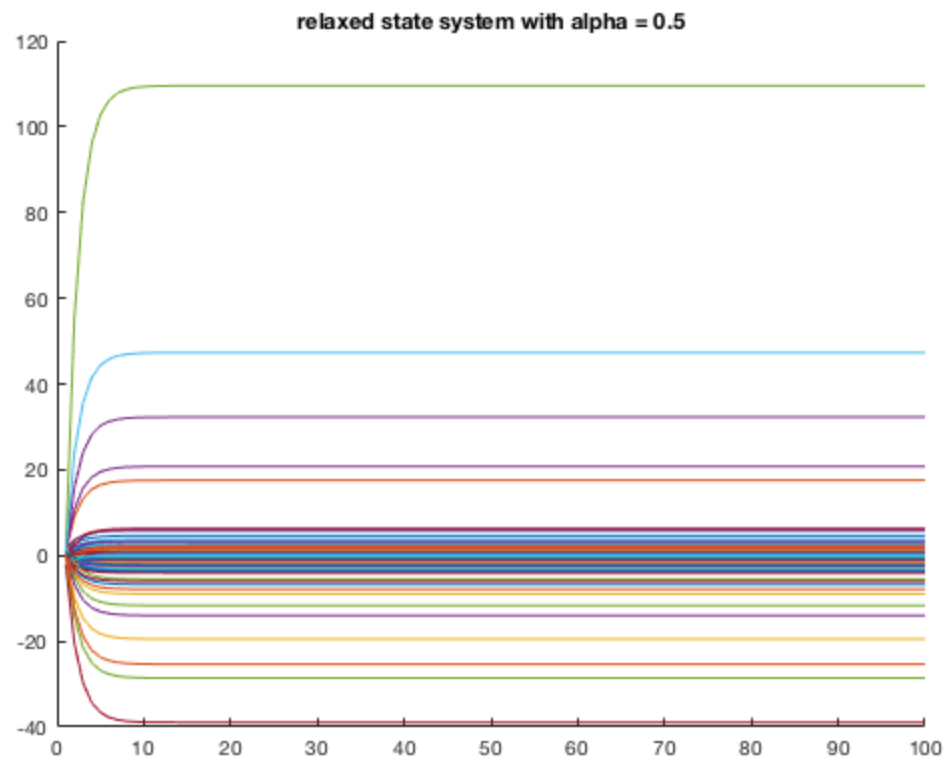




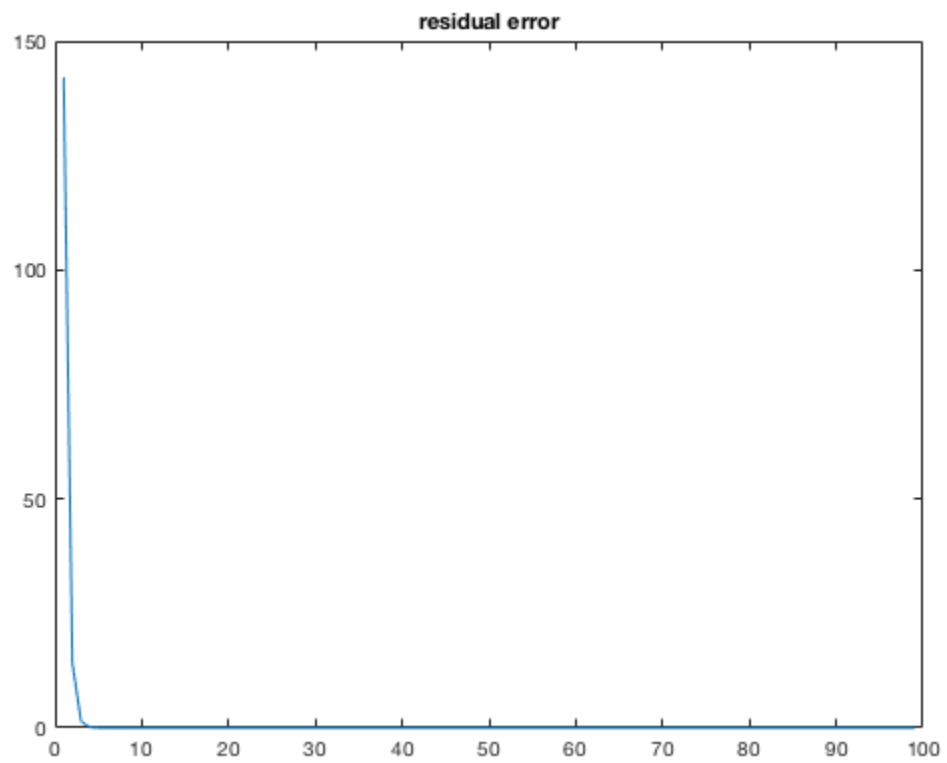
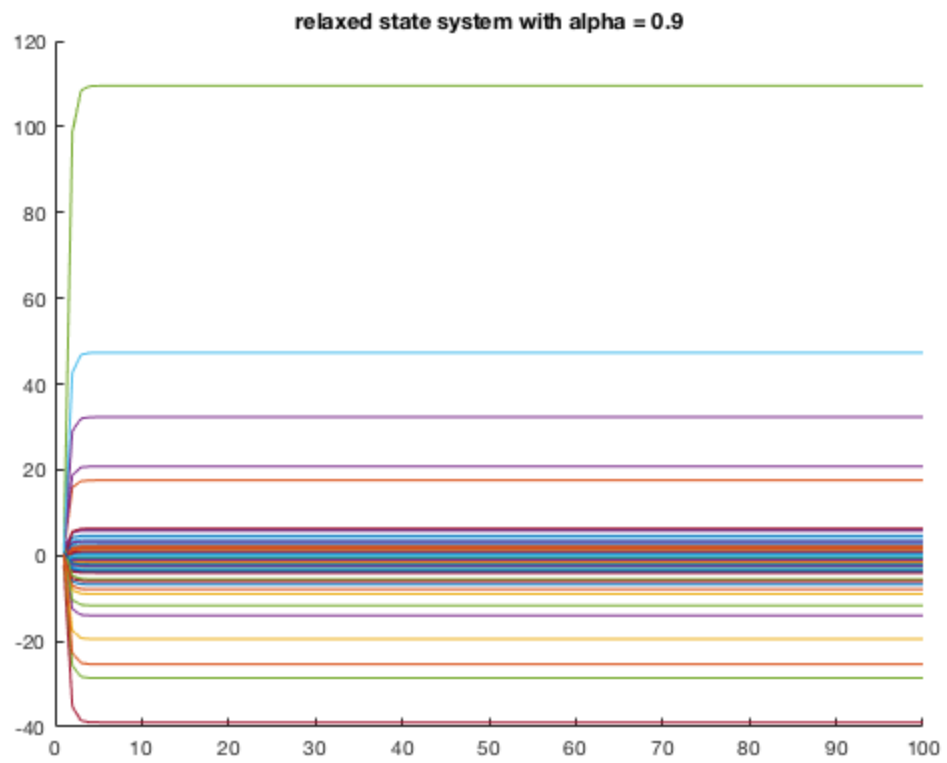


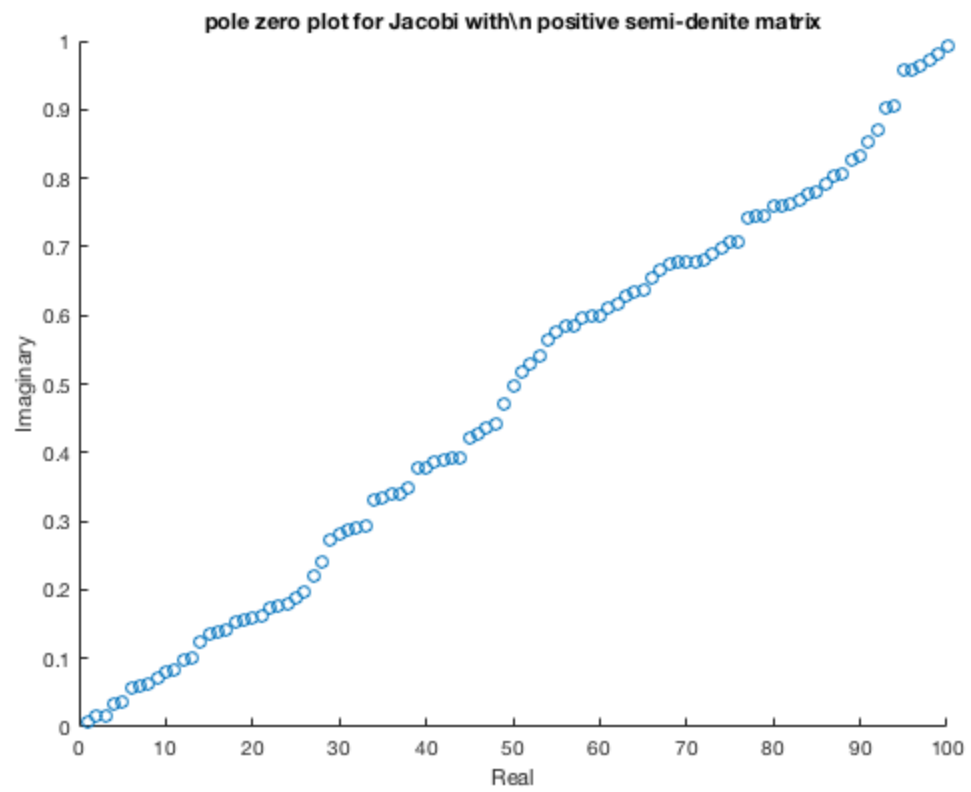












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