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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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Warning: Matrix is singular to working
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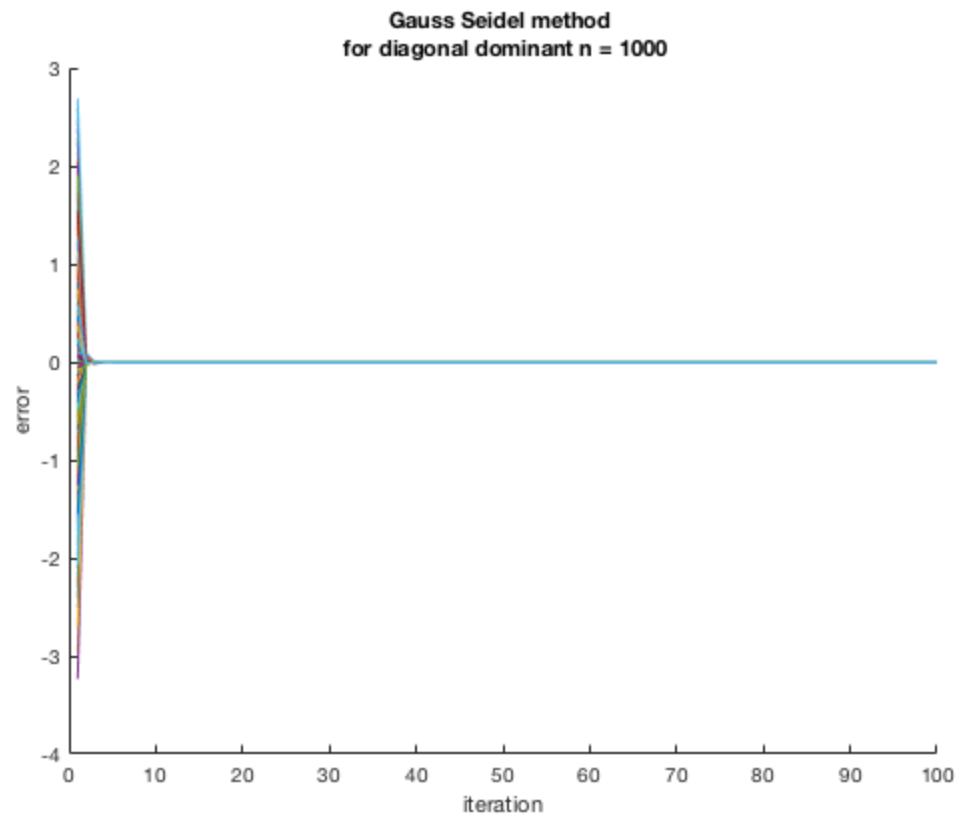
[illegible]

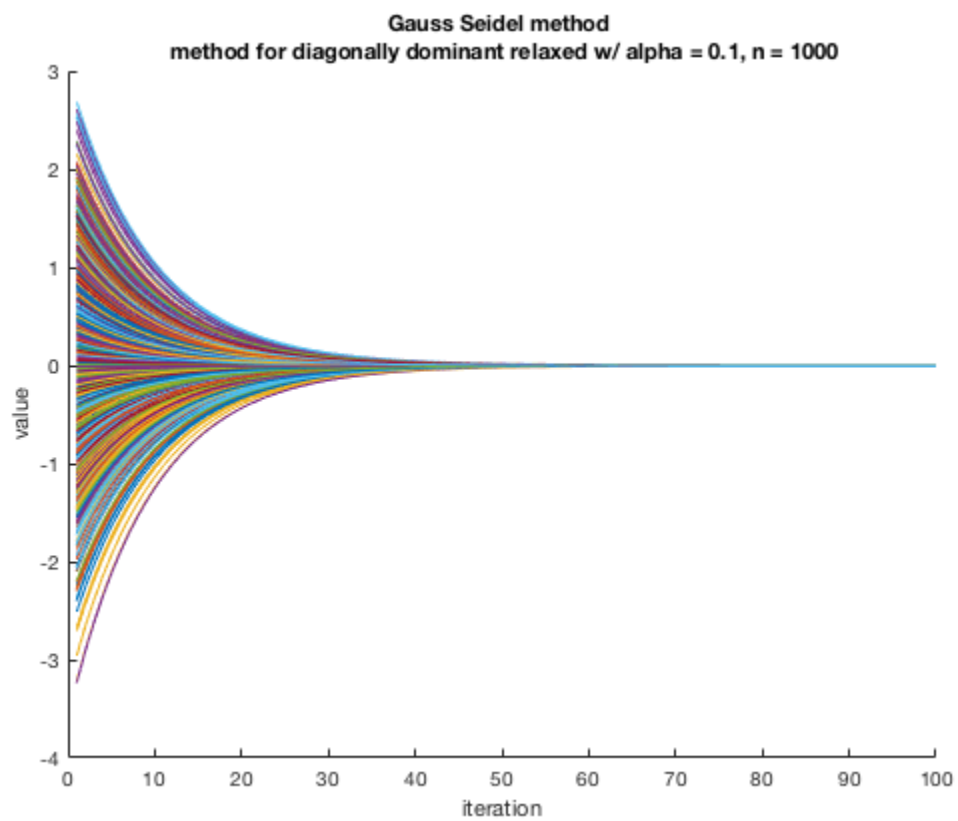
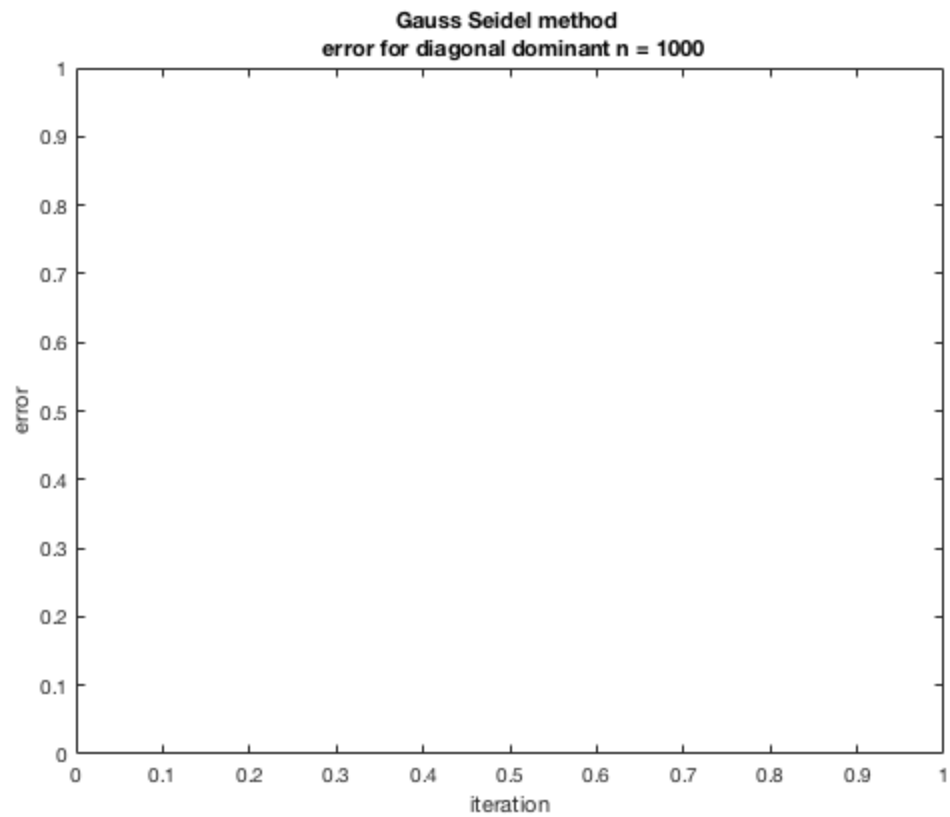


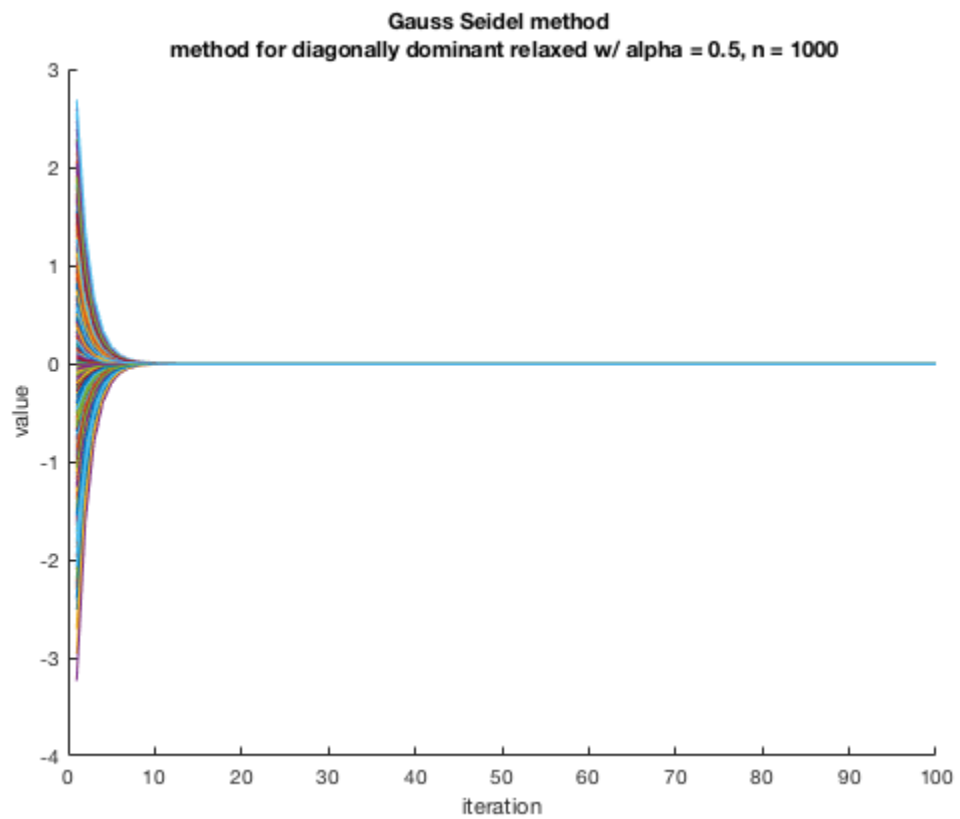
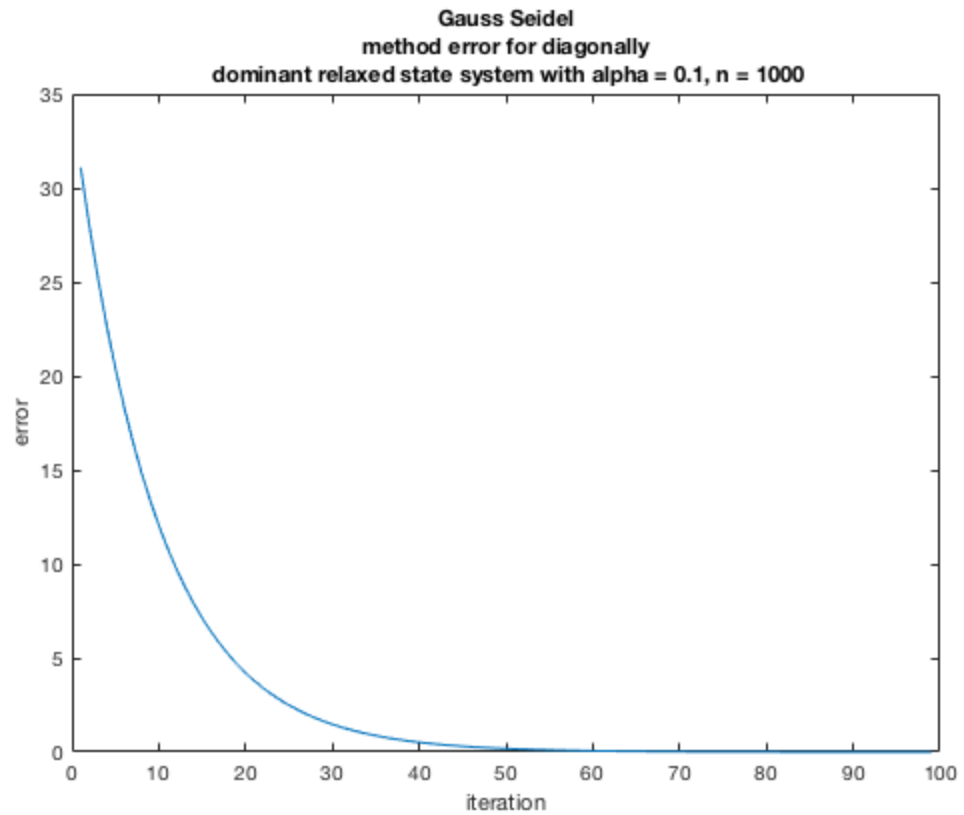


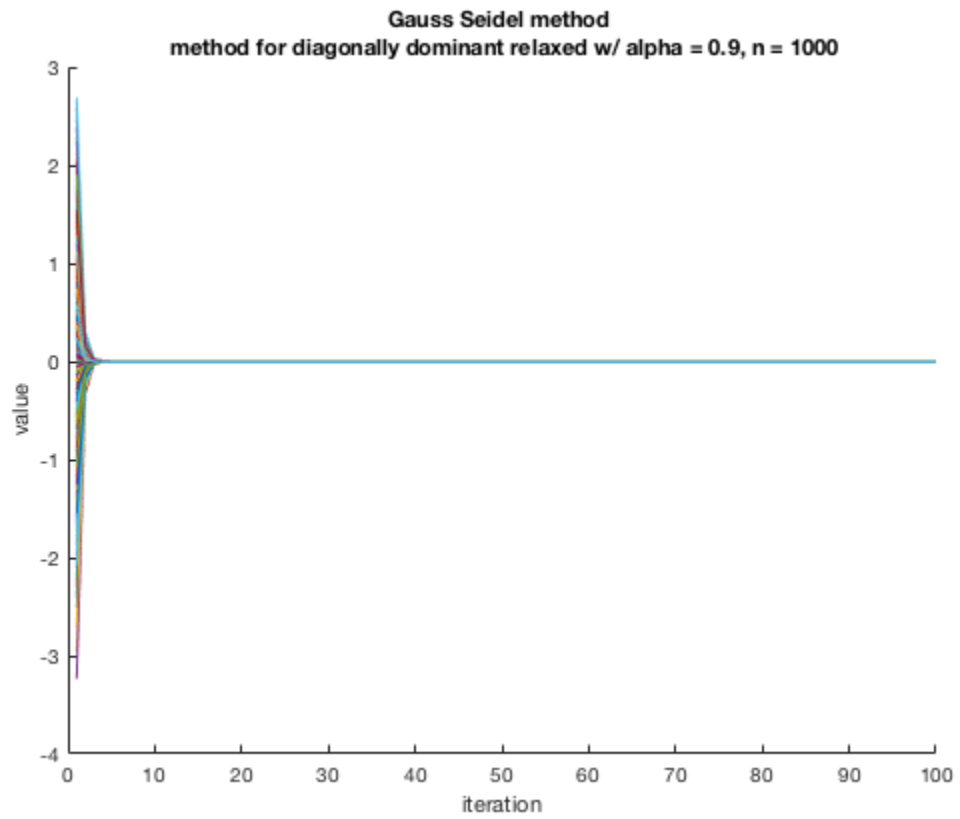
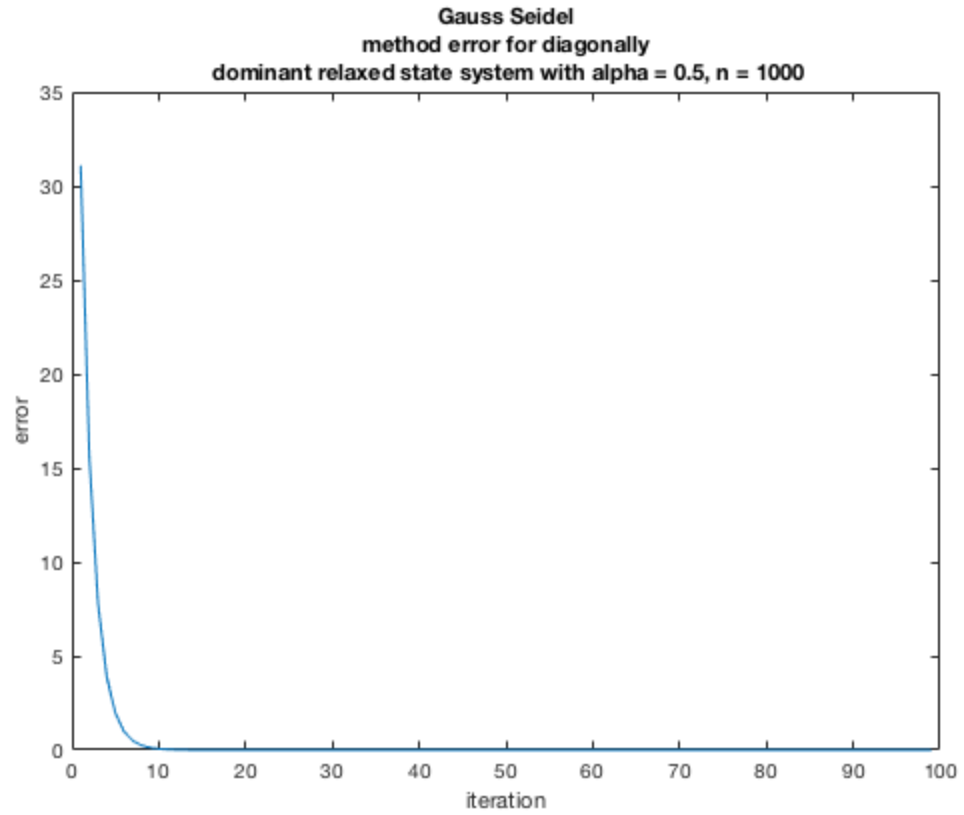
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*Warning: Matrix is singular to working precision.*

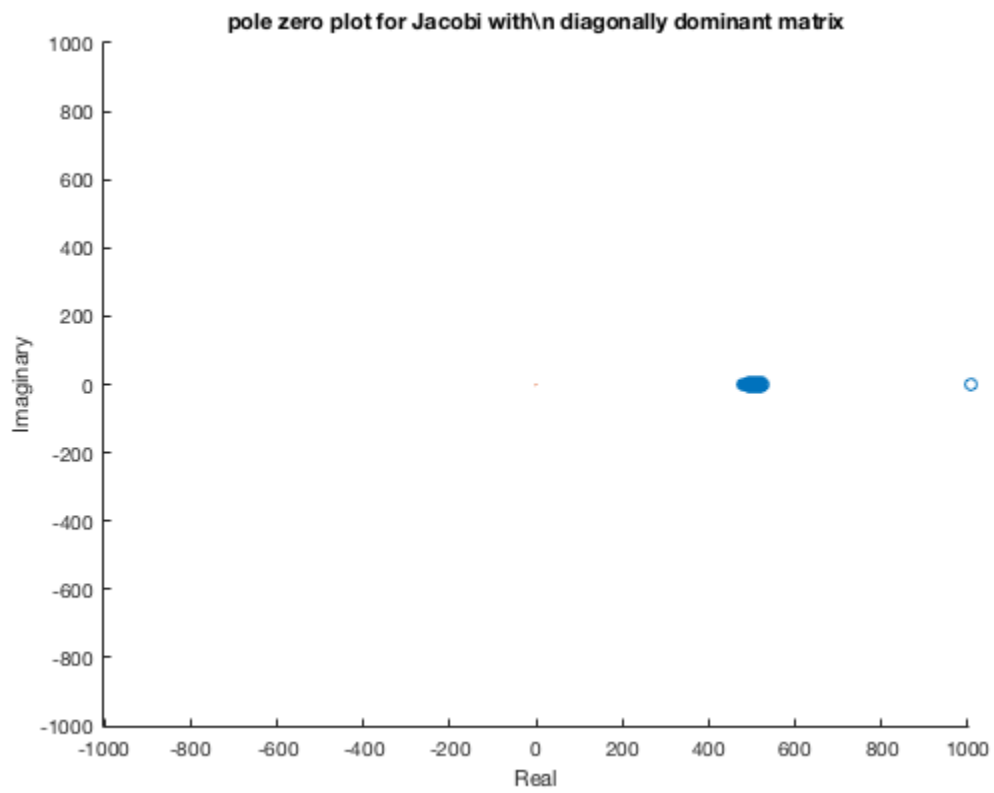
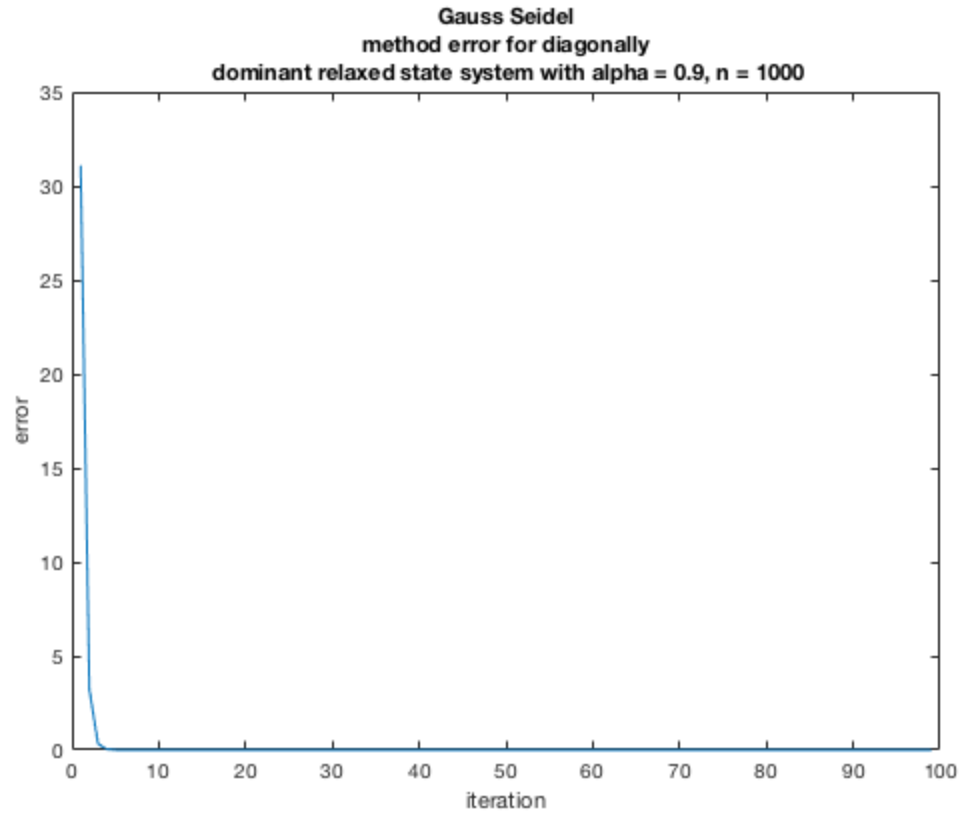


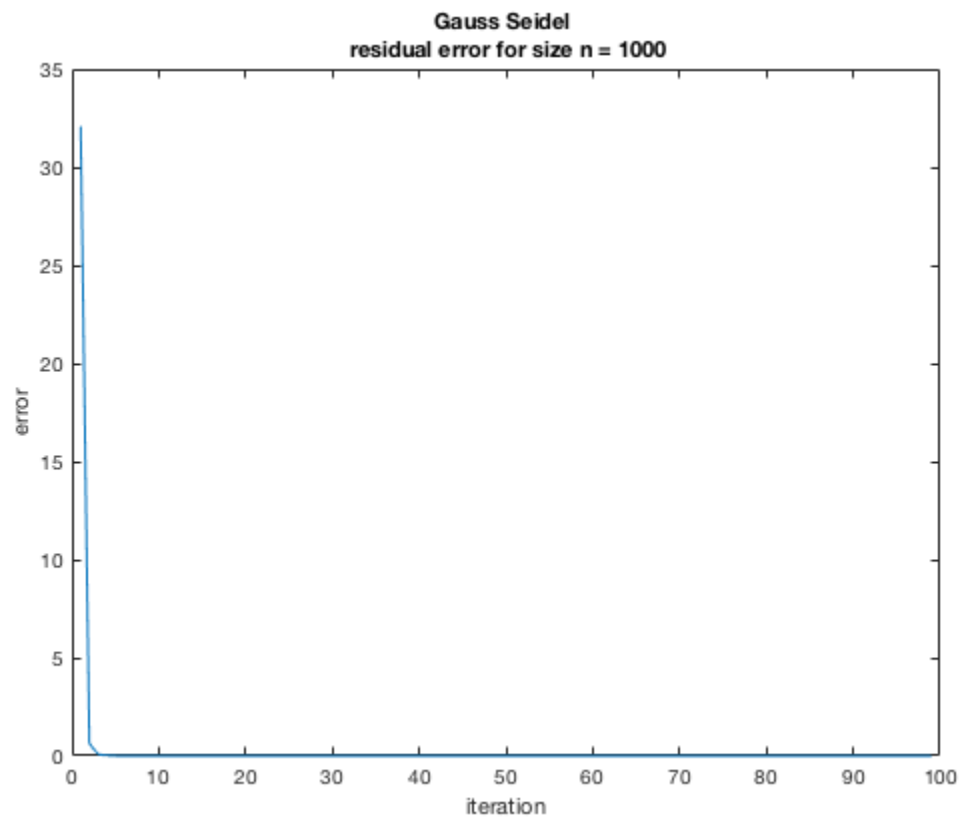
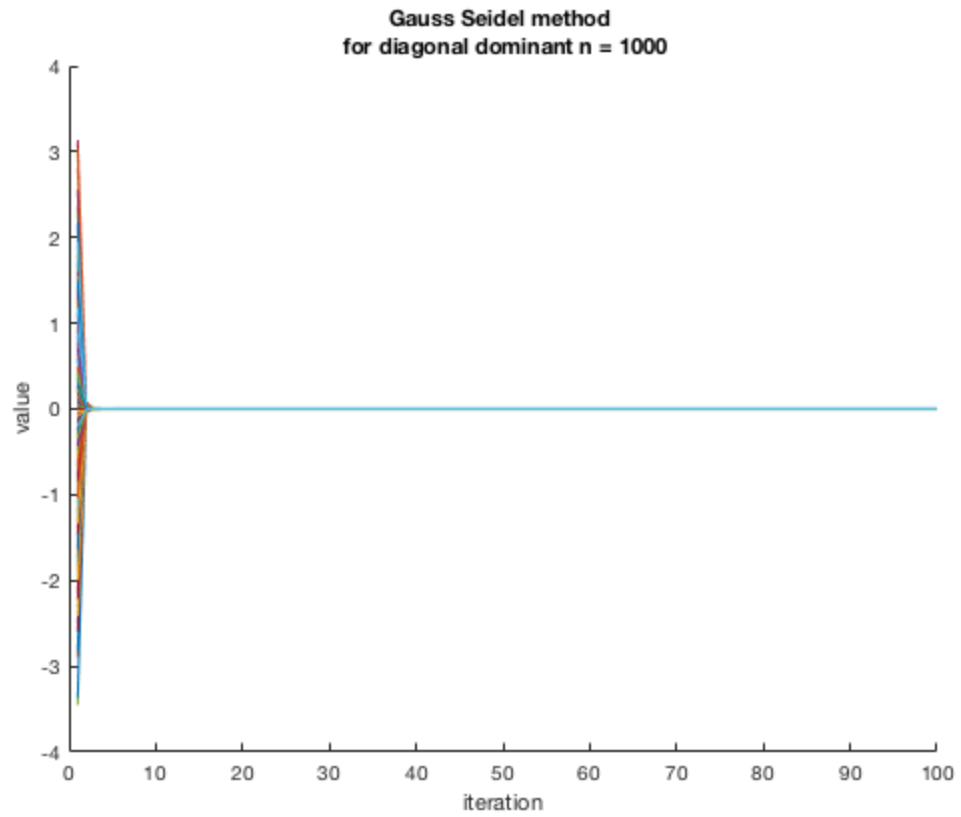


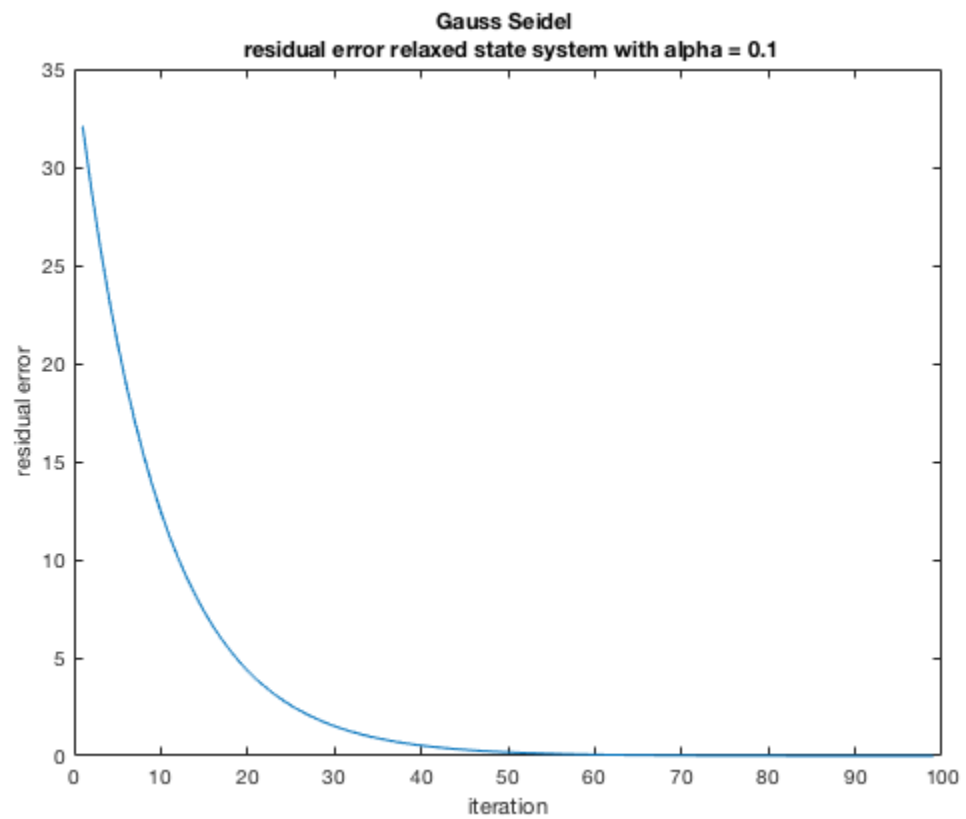
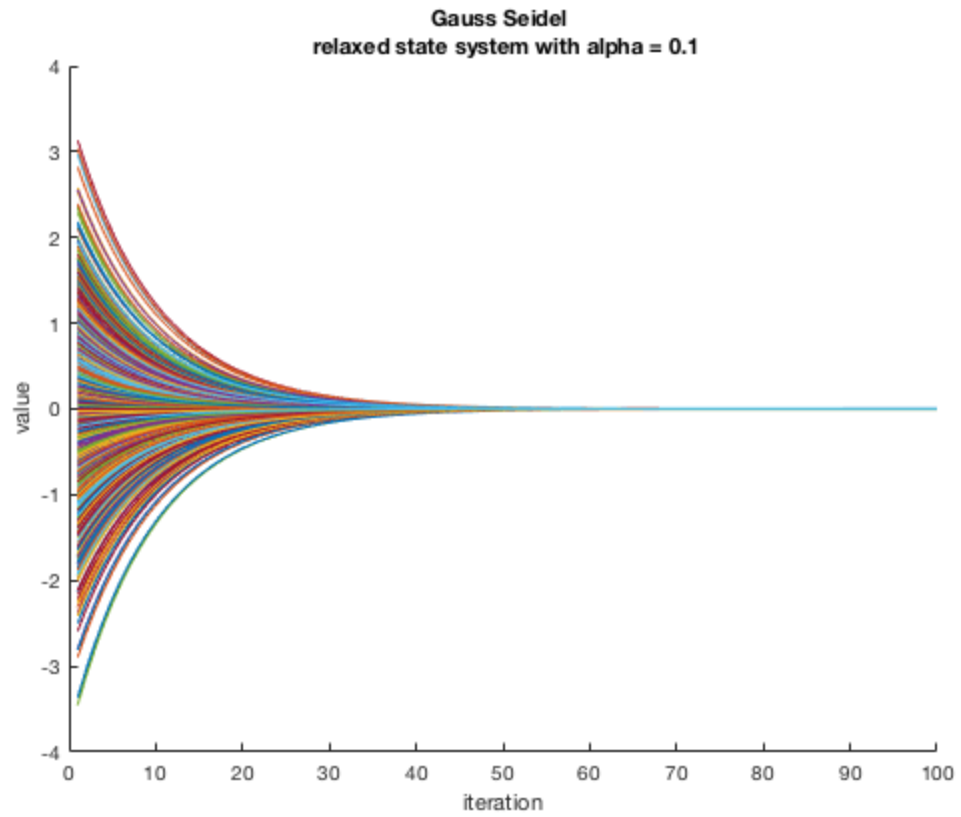


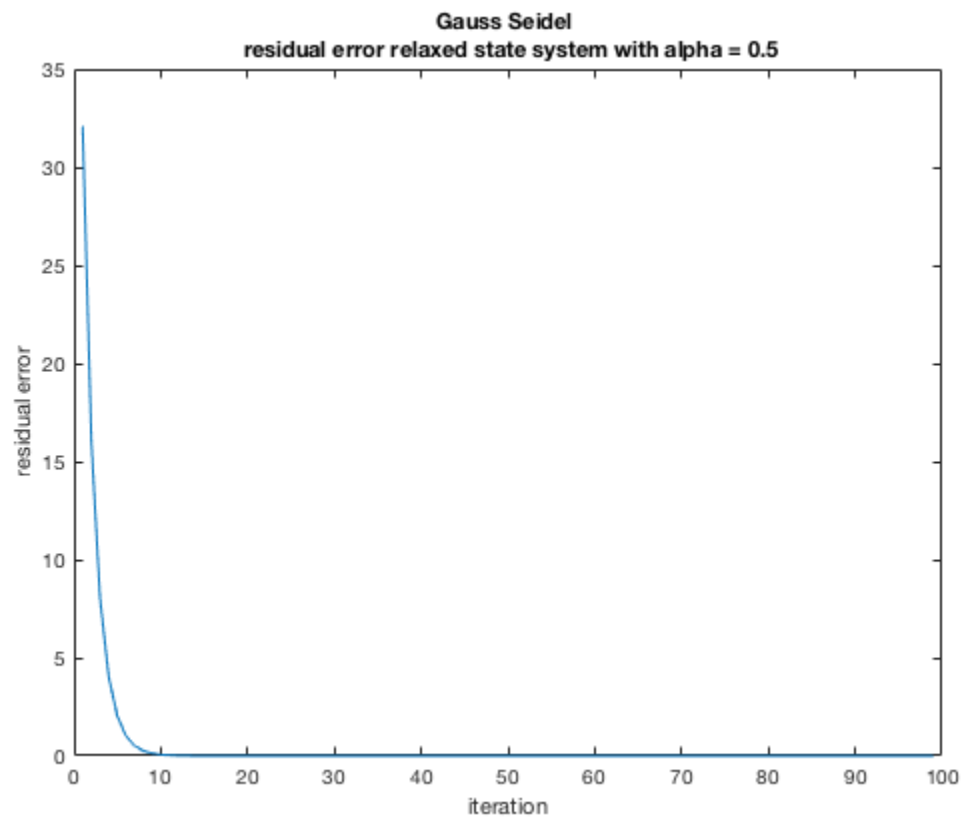
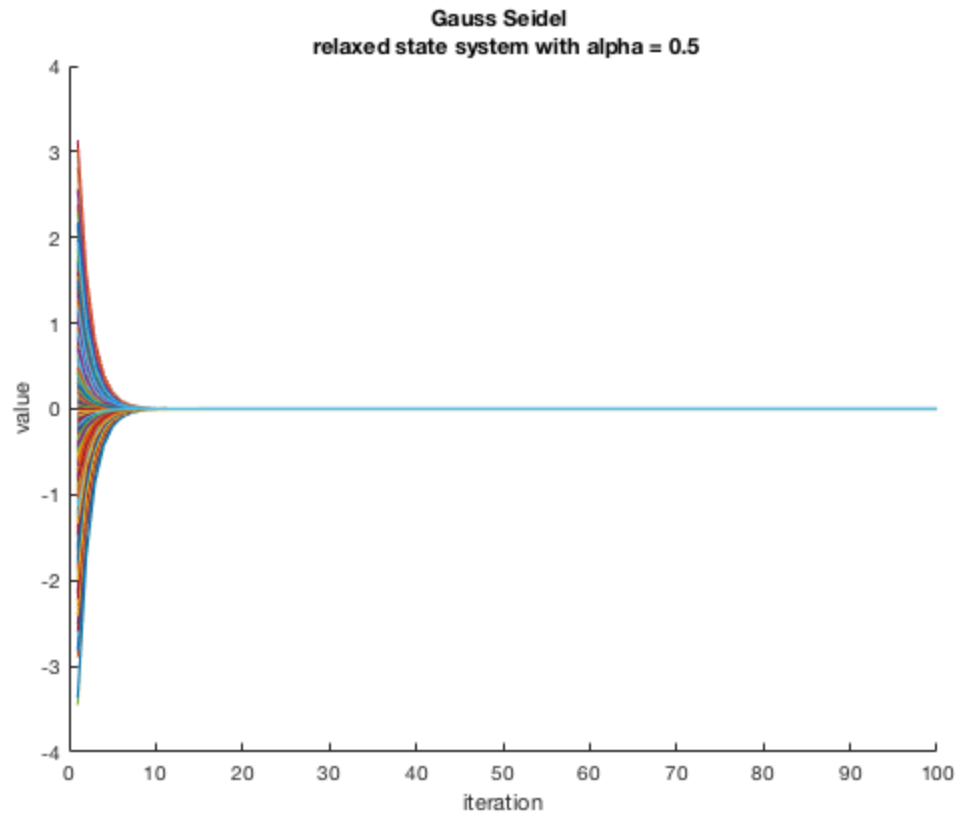


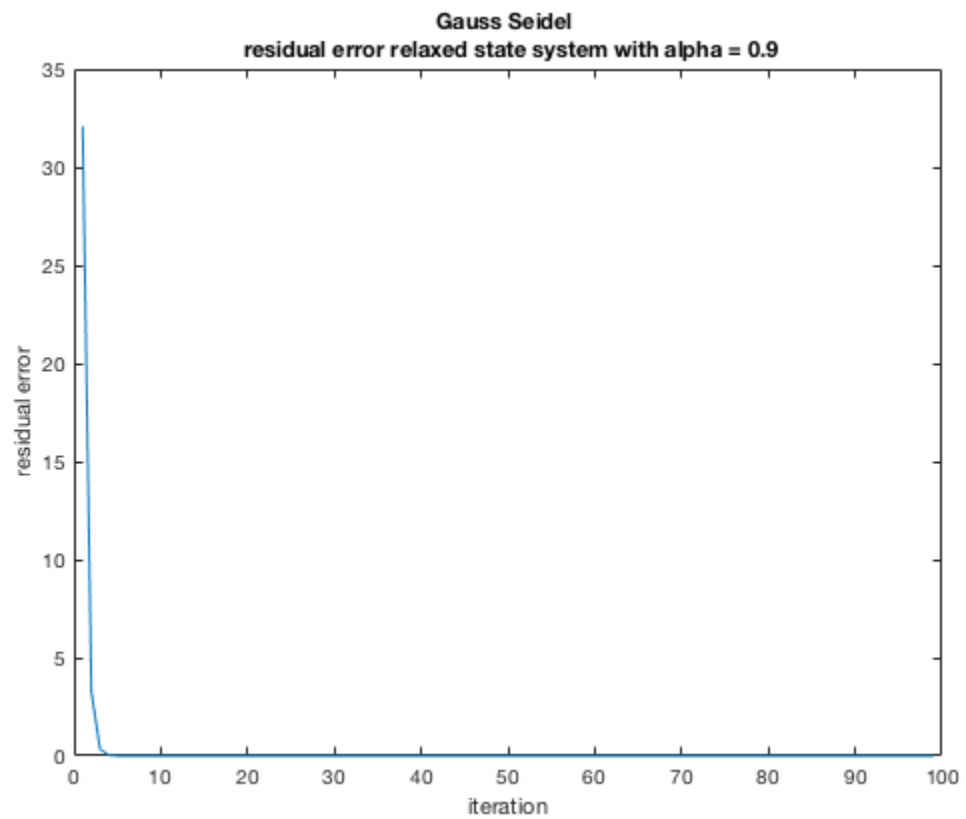
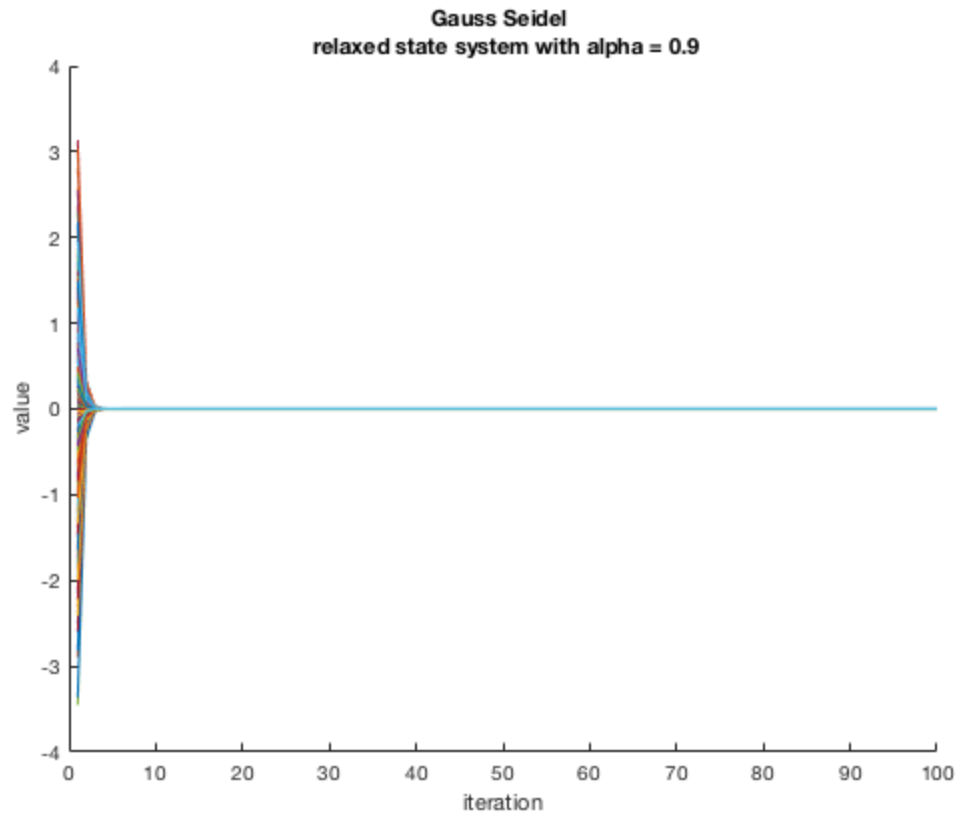


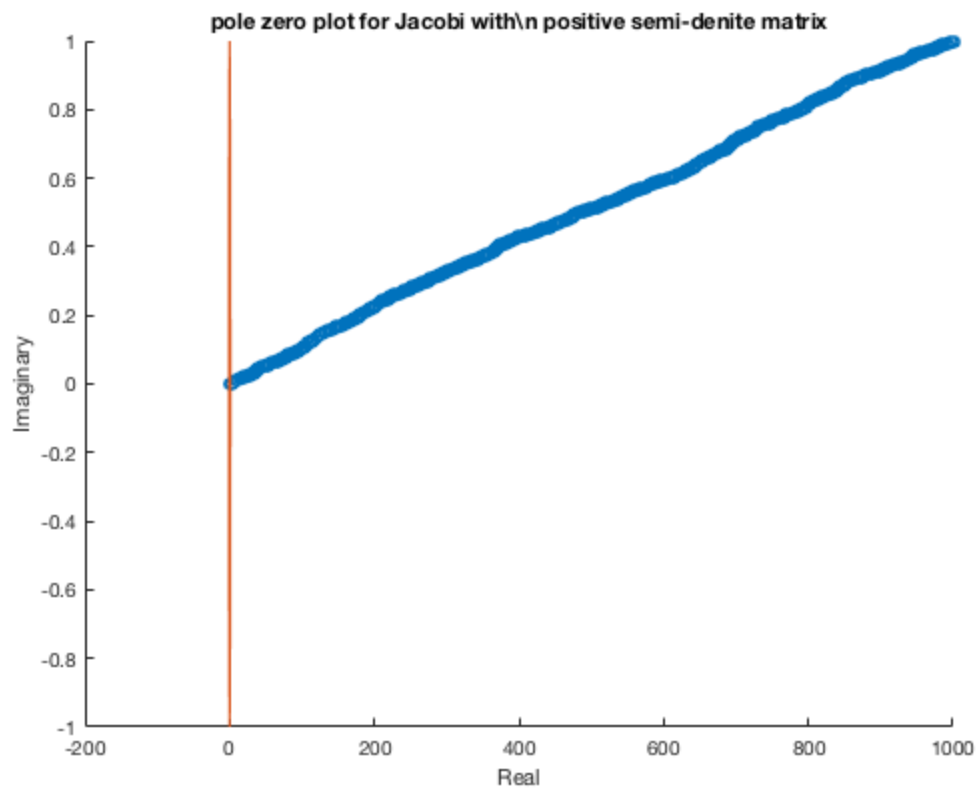












*Published with MATLAB® R2017b*