
```

% 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)

```

$V =$

0	0	0	0	0	0	0	0	0	1
1	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	0
0	0	0	0	0	1	0	0	0	0
0	1	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	0	1	0
0	0	0	0	1	0	0	0	0	0
0	0	1	0	0	0	0	0	0	0

$M =$

Columns 1 through 7

0.0152	0	0	0	0	0	0
0	0.0311	0	0	0	0	0
0	0	0.2102	0	0	0	0
0	0	0	0.2496	0	0	0
0	0	0	0	0.3036	0	0
0	0	0	0	0	0.3131	0
0	0	0	0	0	0	0.7521
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Columns 8 through 10

0	0	0
0	0	0
0	0	0

0	0	0
0	0	0
0	0	0
0	0	0
0.9373	0	0
0	0.9396	0
0	0	0.9607

$T =$

Columns 1 through 7

0.9607	0.9607	0.9607	0.9607	0.9607	0.9607	0.9607
0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152
0.9373	0.9373	0.9373	0.9373	0.9373	0.9373	0.9373
0.3131	0.3131	0.3131	0.3131	0.3131	0.3131	0.3131
0.0311	0.0311	0.0311	0.0311	0.0311	0.0311	0.0311
0.2496	0.2496	0.2496	0.2496	0.2496	0.2496	0.2496
0.7521	0.7521	0.7521	0.7521	0.7521	0.7521	0.7521
0.9396	0.9396	0.9396	0.9396	0.9396	0.9396	0.9396
0.3036	0.3036	0.3036	0.3036	0.3036	0.3036	0.3036
0.2102	0.2102	0.2102	0.2102	0.2102	0.2102	0.2102

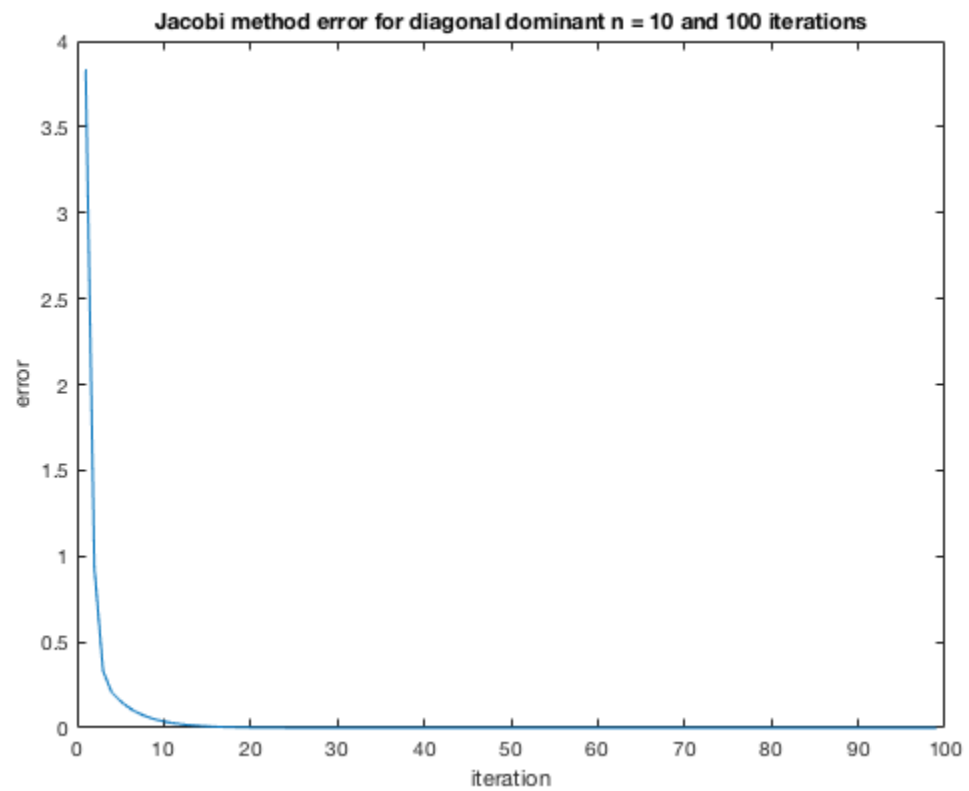
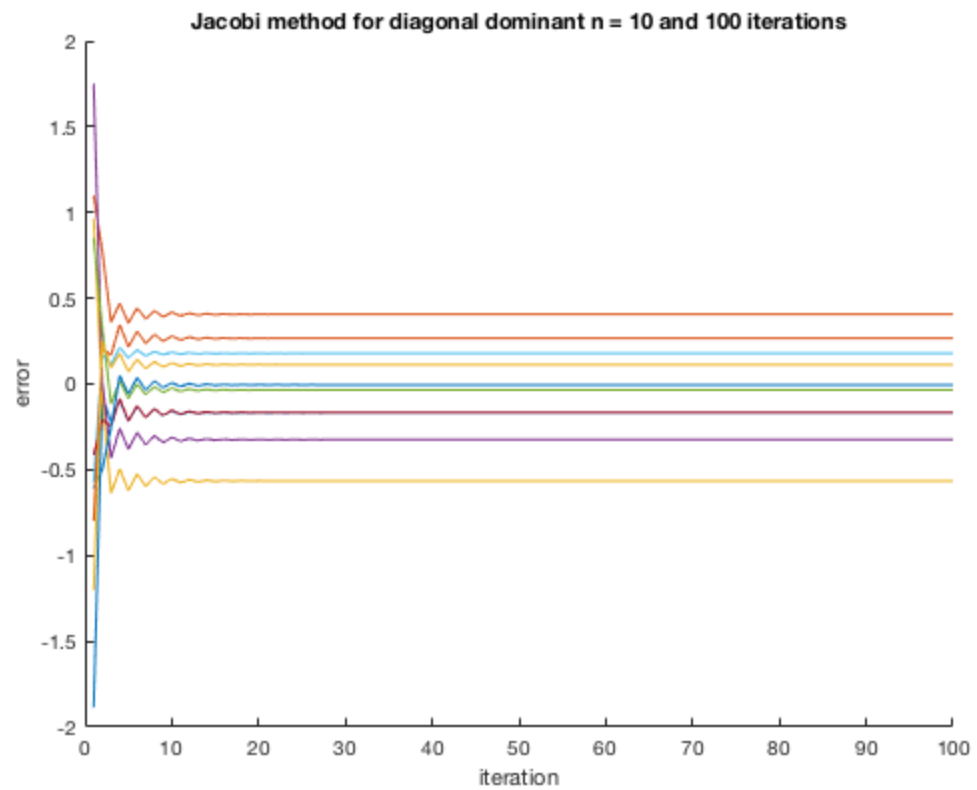
Columns 8 through 10

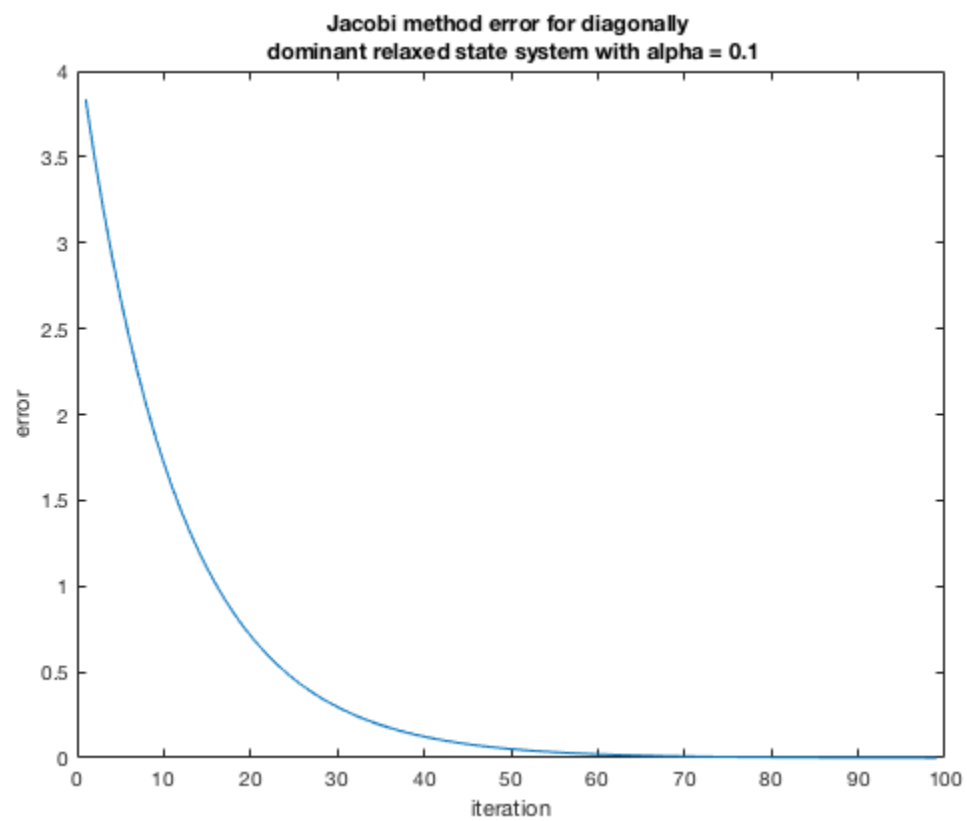
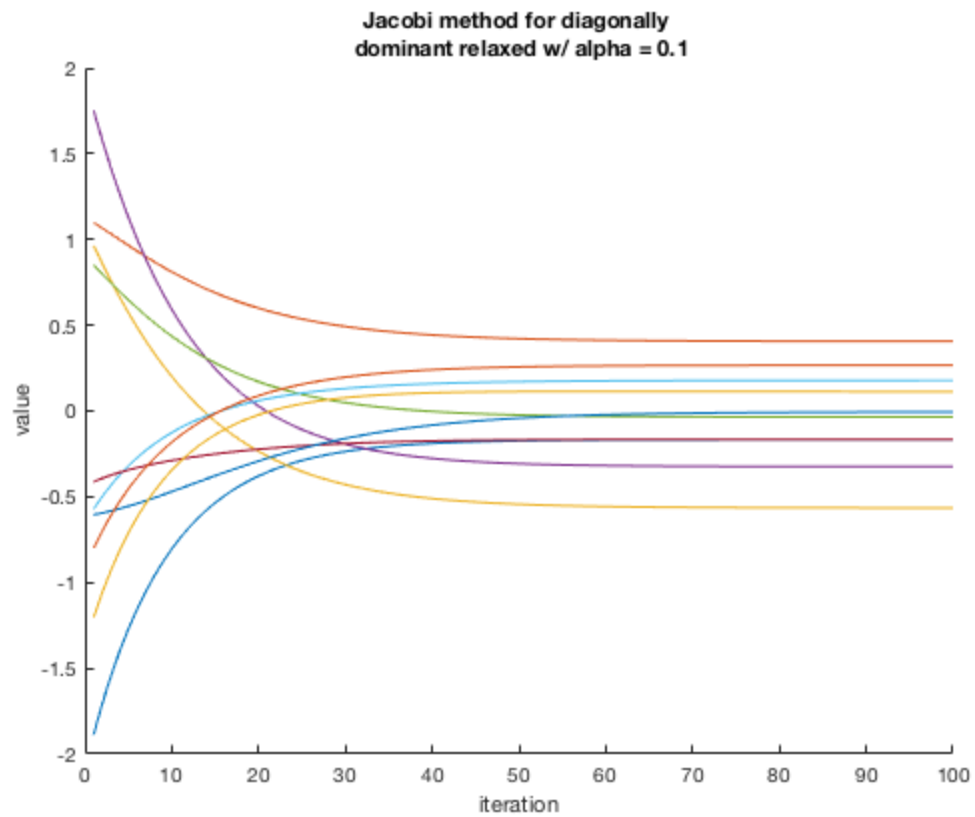
0.9607	0.9607	0.9607
0.0152	0.0152	0.0152
0.9373	0.9373	0.9373
0.3131	0.3131	0.3131
0.0311	0.0311	0.0311
0.2496	0.2496	0.2496
0.7521	0.7521	0.7521
0.9396	0.9396	0.9396
0.3036	0.3036	0.3036
0.2102	0.2102	0.2102

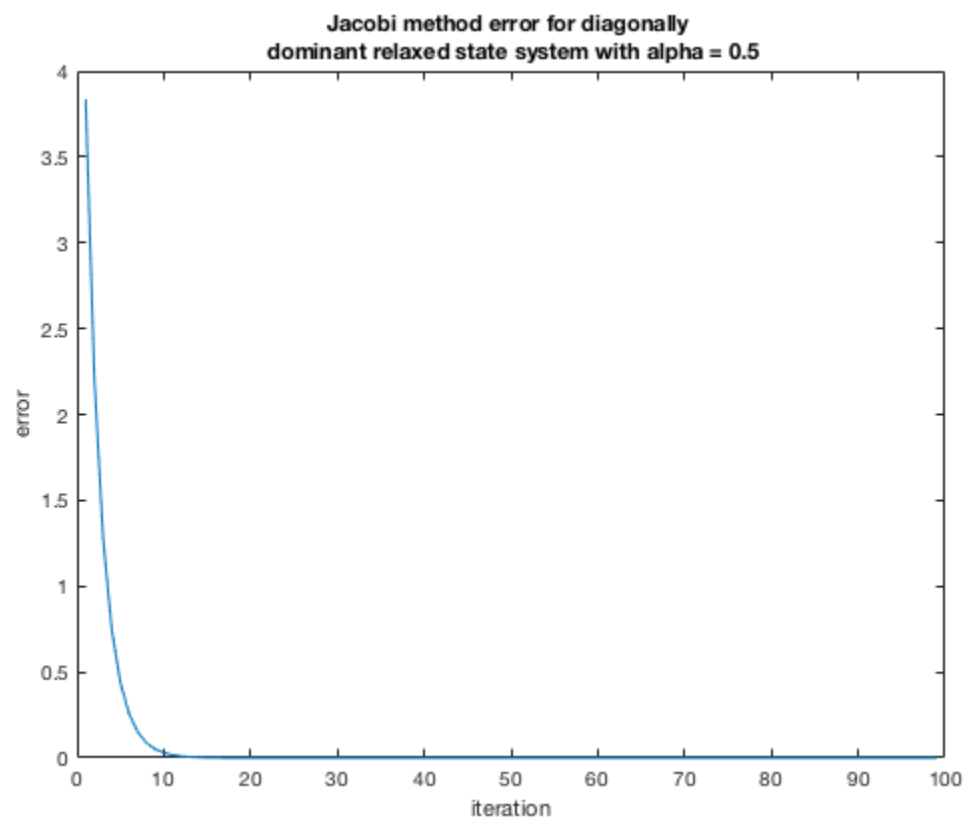
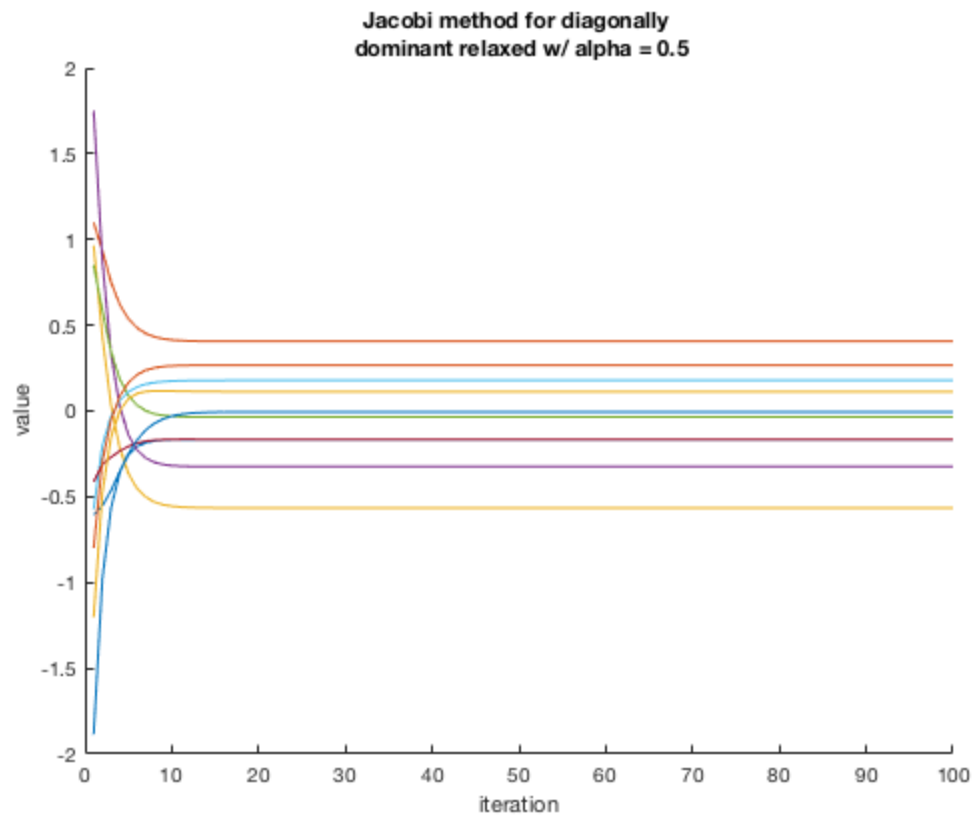
Warning: File 'str' not found.

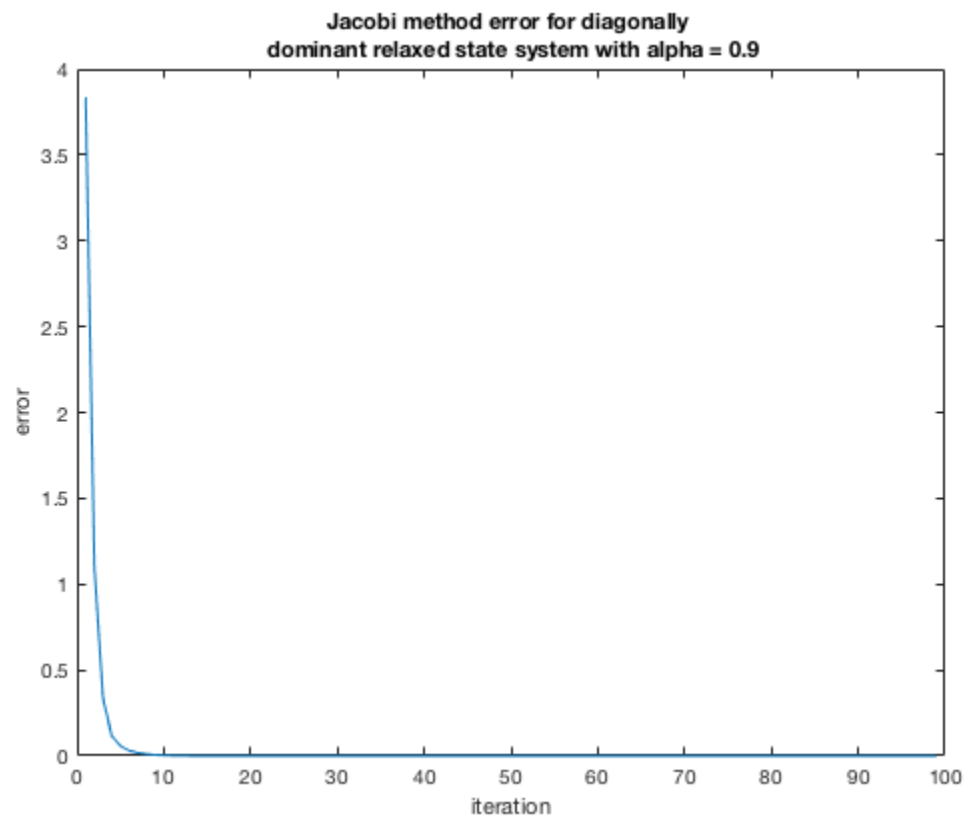
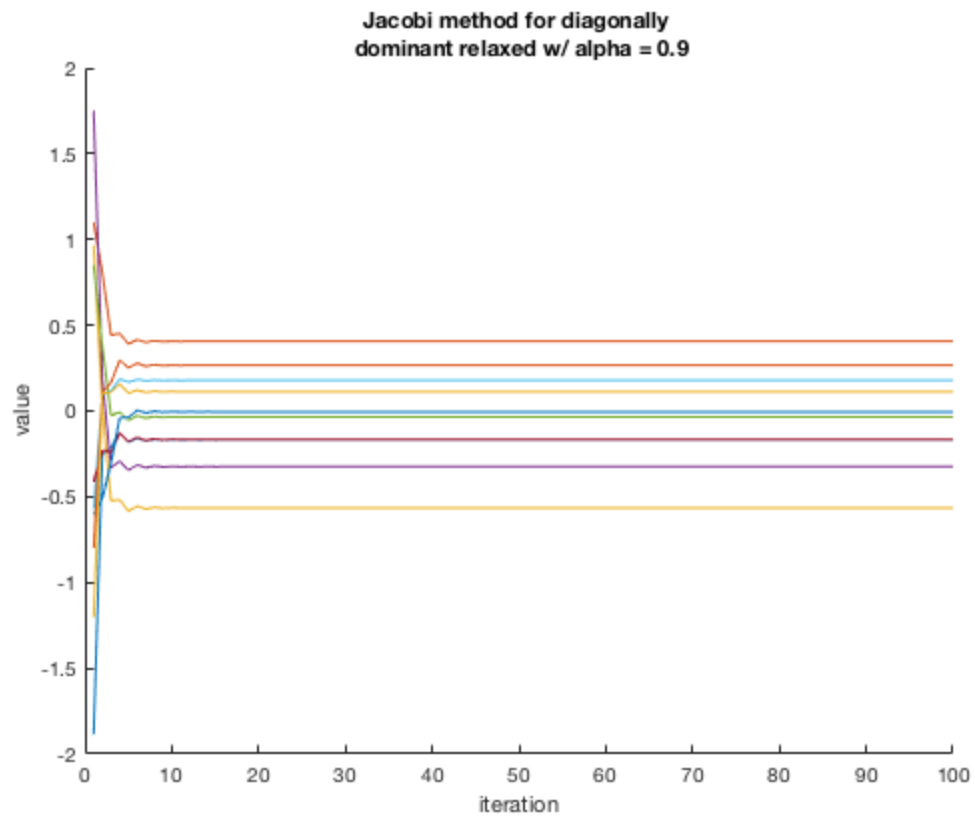
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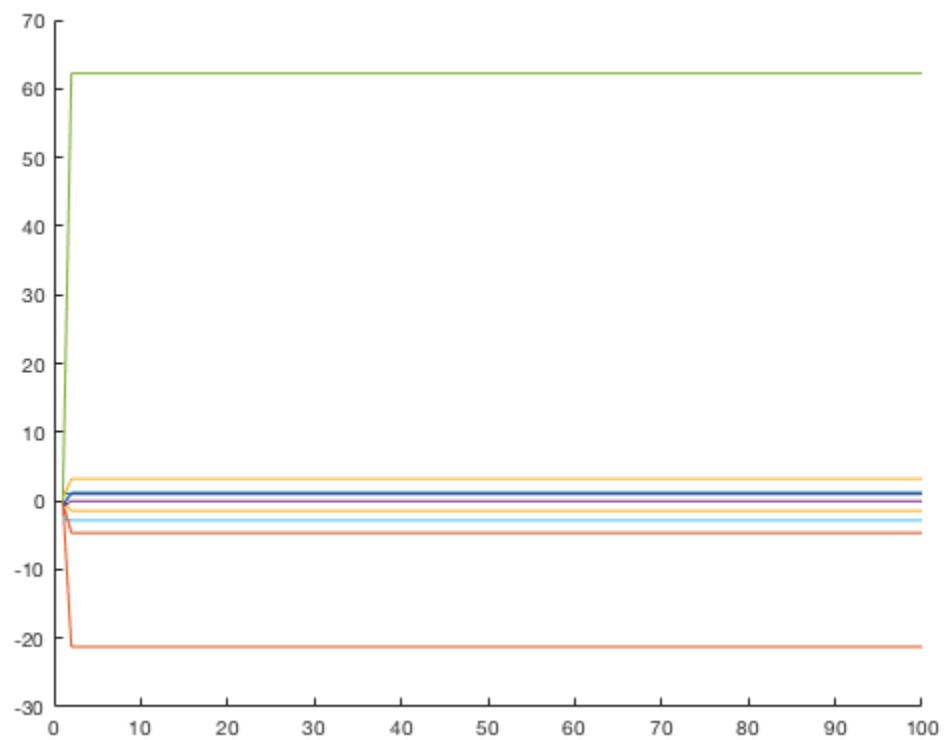
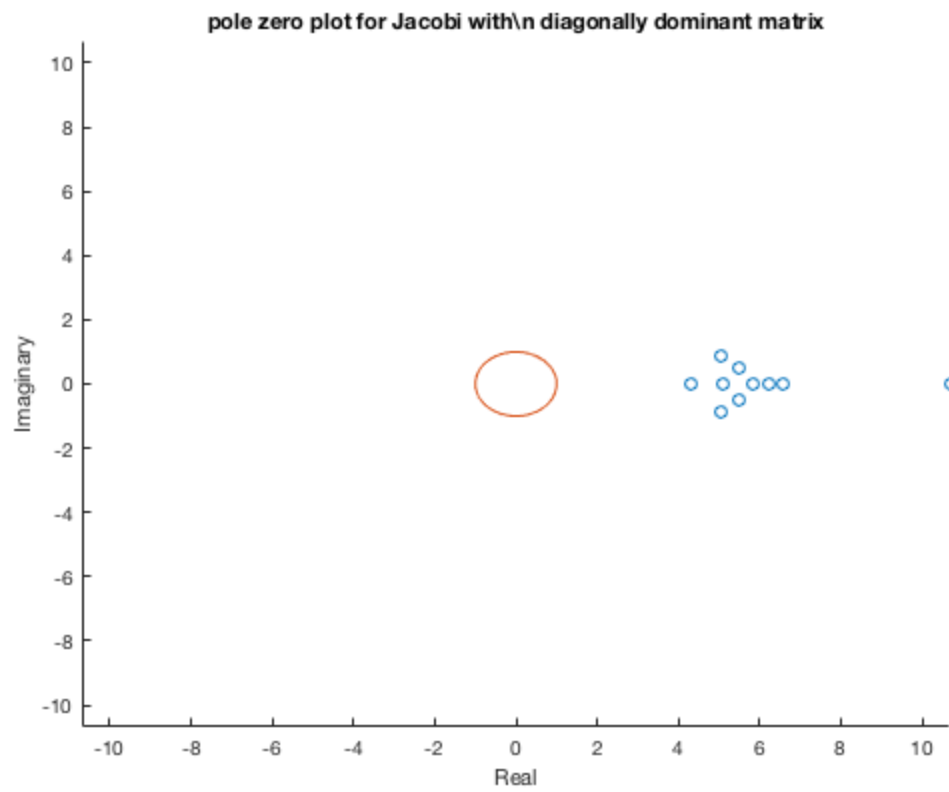
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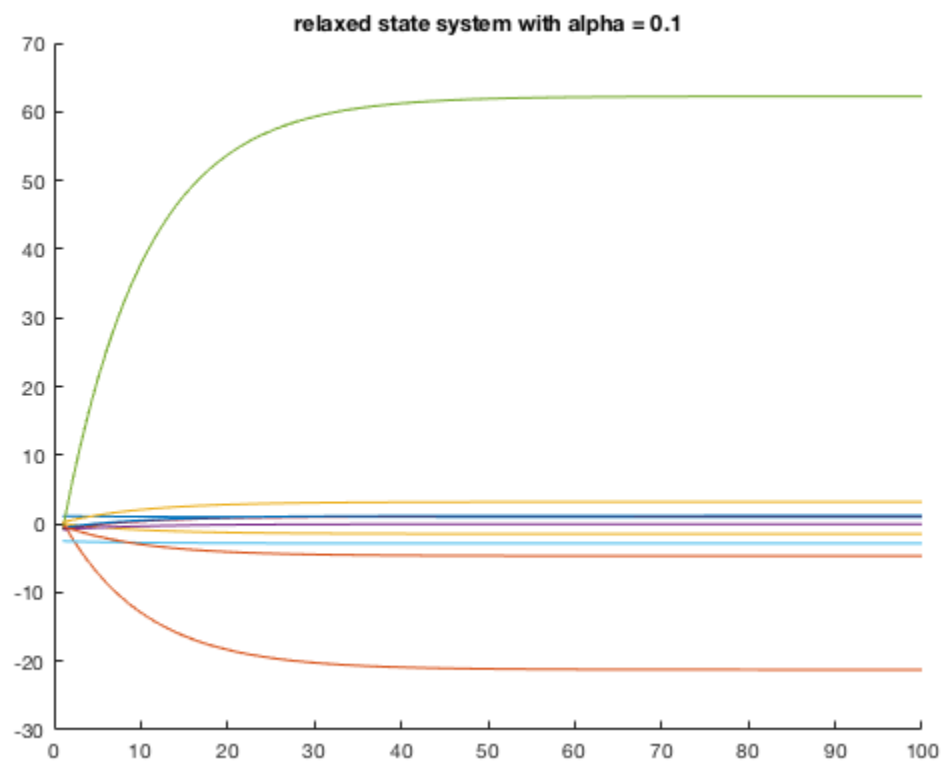
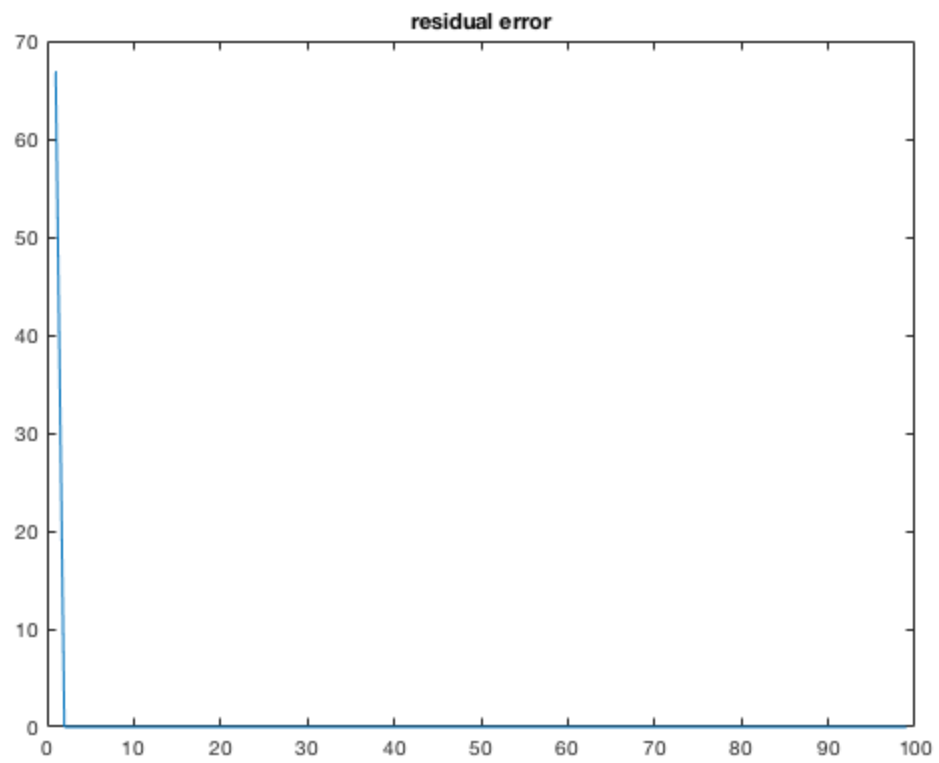


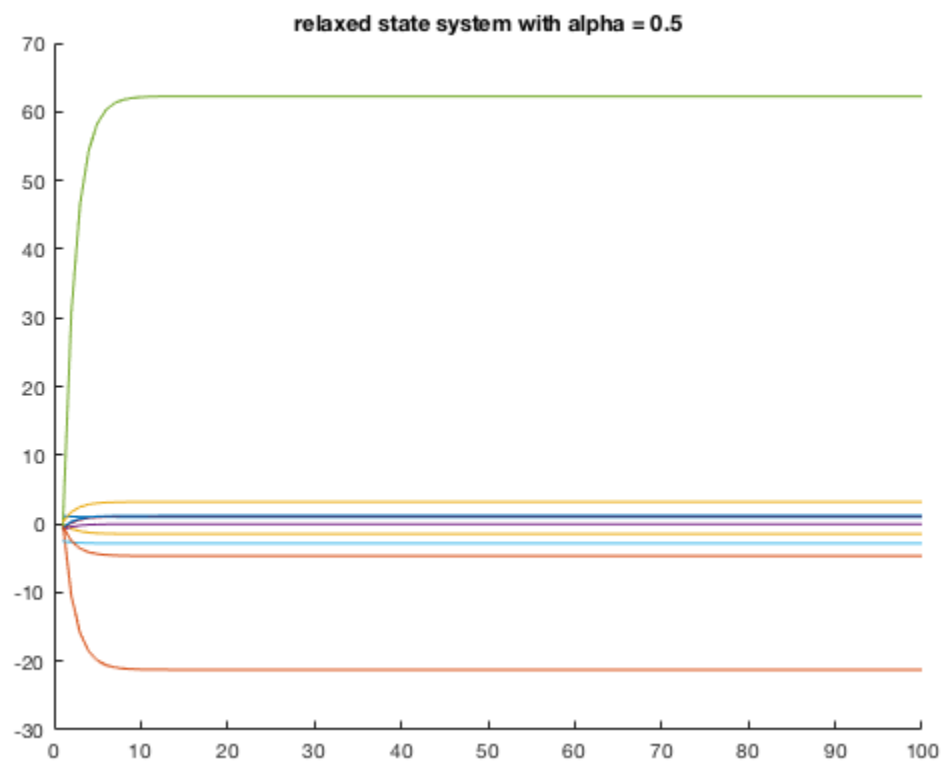
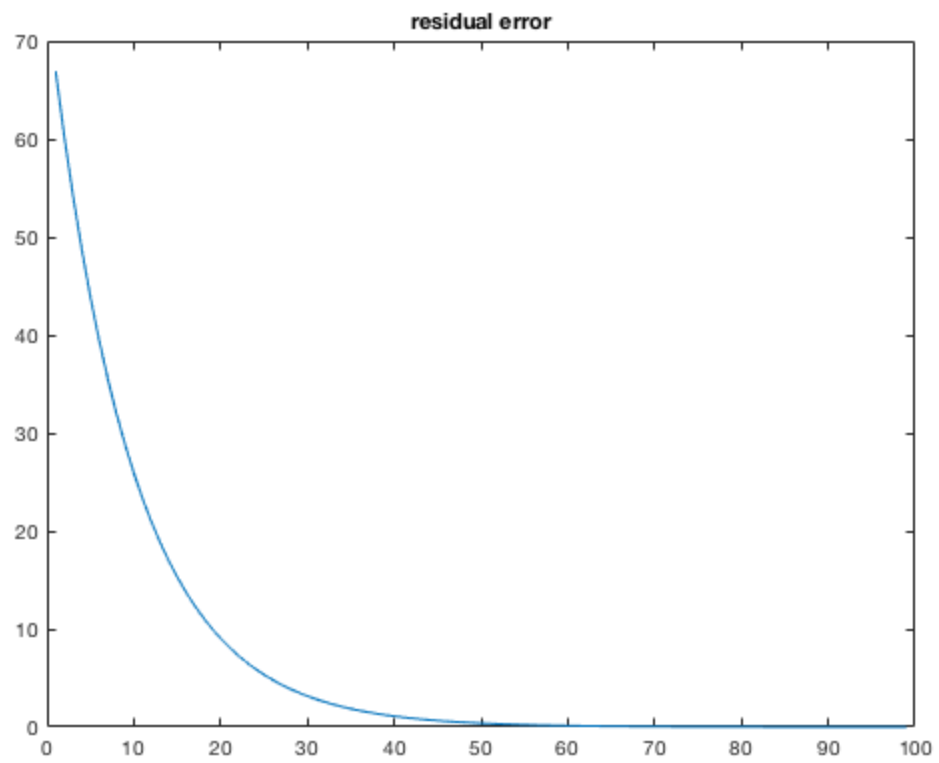


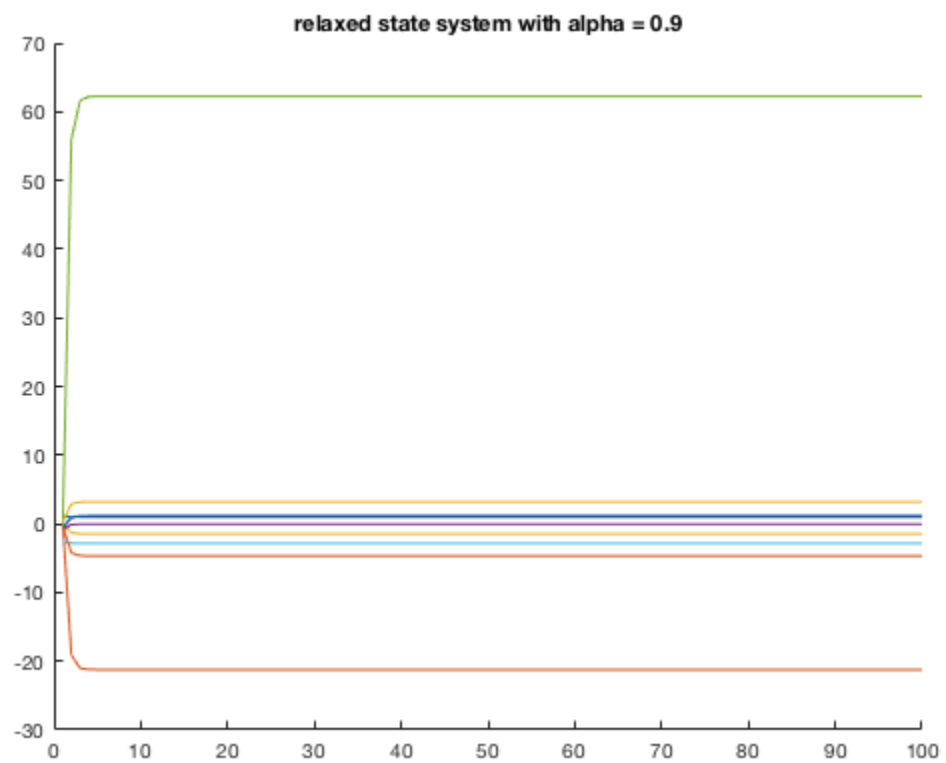
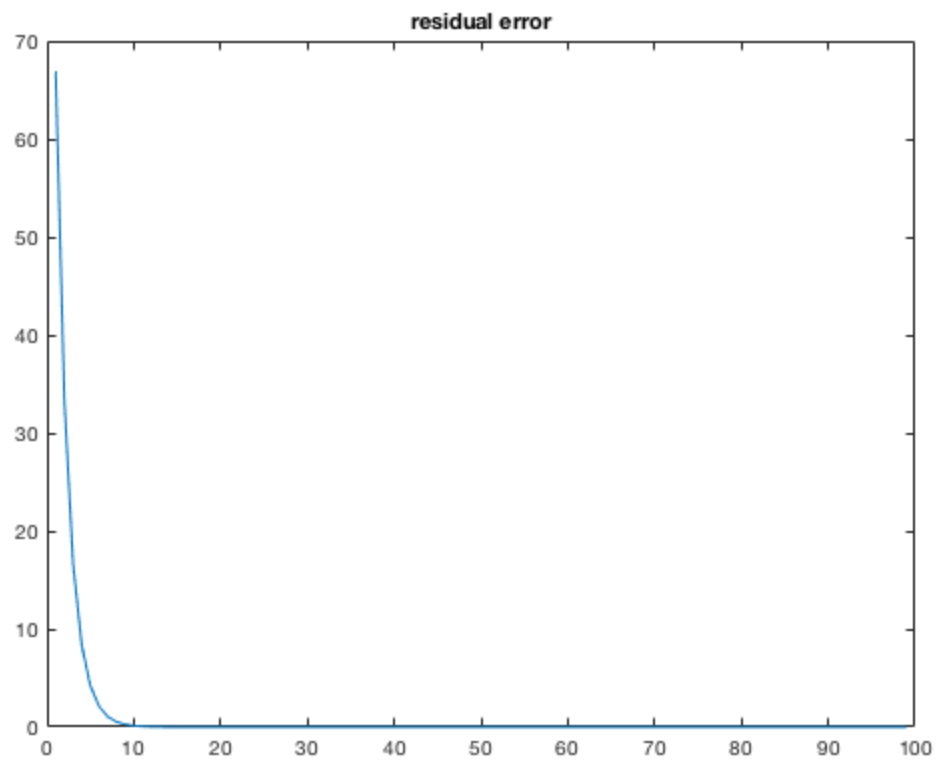


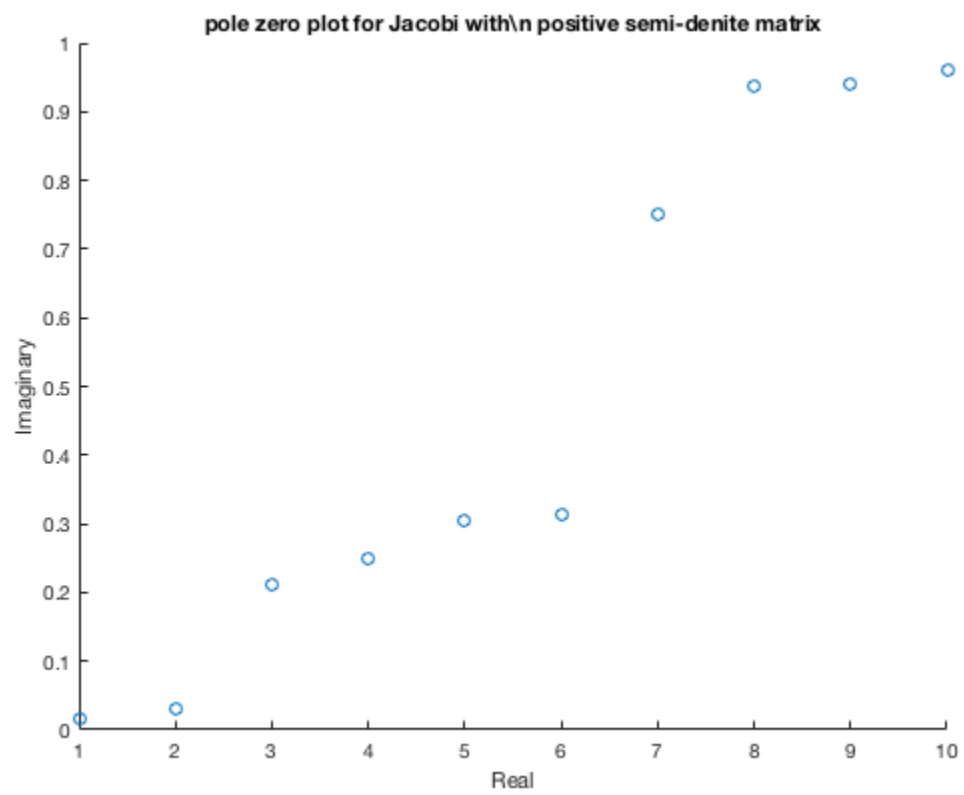
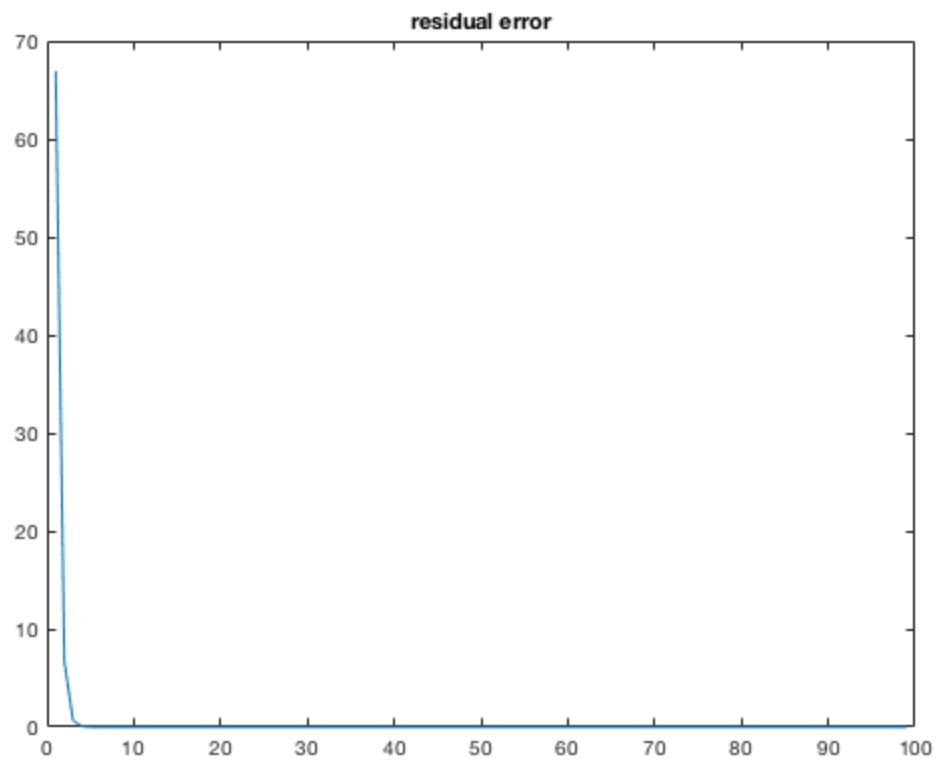












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